

FUJITSU Server PRIMEQUEST 2000 Series Tool Reference



Preface

This manual provides information on operation methods and settings, including details on the MMB, and EFI functions. The manual is intended for system administrators.

For details on the regulatory compliance statements and safety precautions, see the *PRIMEQUEST 2000 Series Safety and Regulatory Information* (CA92344-0523).

Organization of this manual

This manual is organized as follows. CHAPTER 1 MMB Web-UI (Web User Interface) Operations Chapter 1 describes the menus used to manage and operate the PRIMEQUEST 2000 series server with the MMB Web-UI. It also describes how to use the MMB Web-UI. CHAPTER 2 MMB CLI (Command Line Interface) Operations Chapter 2 describes the CLI (command line interface) provided by the MMB. CHAPTER 3 UEFI Menu Operations Chapter 3 describes the menu operations of the UEFI. **CHAPTER 4 UEFI Command Operations** Chapter 4 describes the command operations of the UEFI. CHAPTER 5 Dynamic Reconfiguration Operation Chapter 5 describes the Dynamic Reconfiguration operation. CHAPTER 6 Setting of sadump environment Chapter 6 describes the setting of sadump enviroment. Appendix A List of Setting Items Appendix A lists the setting items for each window.

Revision History

Edition	Date	Revised location (type) (*1)	Description
01	2014-08-12	All pages	- The edition is initialized to "01" for changing
			manual code
			- Added descriptions about Extended
			Partitioning function
02	2014-10-07	Chapter 3	- Added descriptions about Secure boot
03	2015-02-03	Chapter 2	- Correction of the error in writing
		Chapter 3	
04	2015-05-01	All pages	- Added descriptions about Memory Scale-up
			Board
			- Added descriptions about Extended Socket
			- Added descriptions about PRIMEQUEST
			2400E2/2800E2/2800B2 models
05	2015-09-29	Chapter 1, 2	- Added descriptions about LDAP
		Chapter 1	- Added descriptions about SSD Life Cycle
			Management
06	2015-10-30	Chapter 1	- Added descriptions about LDAP(Novell
			eDirectory/OpenLDAP/OpenDS/Open DJ)
07	2016-01-29	Chapter 1	- Added descriptions about Alarm E-Mail
			message format
08	2016-05-30	All pages	- Added descriptions about PRIMEQUEST
			2400E3/2800E3/2800B3 models
09	2016-11-28	Chapter 1, 2	- Added descriptions about [Remote Server
			Management] window
			- Added cautions about [Date/Time] window
			- Added remarks about Access via the
			management LAN interface
10	2017-01-16	Chapter 3	- Added description about VMware vSphere
			6.5
11	2017-02-08	All pages	- Added descriptions about Windows Server
			2016
12	2017-08-08	Chapter 1	- Added remarks about NTP function
		Chapter 1,2	- Added remarks about after MMB reset
		Chapter 3	- Added description about Active Processor
			Cores
		1	

1: Chapter, section, and item numbers in the "Revised location" column refer to those in the latest edition of the document. However, a number marked with an asterisk () denotes a chapter, section, or item in a previous edition of the document.

Product operating environment

This product is a computer intended for use in a computer room environment. For details on the product operating

environment, see the following manual:

PRIMEQUEST 2000 Series Hardware Installation Manual (CA92344-0535)

Safety Precautions

Alert messages

This manual uses the following alert messages to prevent users and bystanders from being injured and to prevent property damage.

AWARNING	This indicates a hazardous situation that is likely to result in death or serious personal injury if the user does not perform the procedure correctly.
A CAUTION	This indicates a hazardous situation that could result in minor or moderate personal injury if the user does not perform the procedure correctly. This also indicates that damage to the product or other property may occur if the user does not perform the procedure correctly.
Important	This indicates information that could help the user use the product more efficiently.

Alert messages in the text

An alert statement follows an alert symbol. An alert statement is indented on both ends to distinguish it from regular text. Similarly, one space line is inserted before and after the alert statement.



Only Fujitsu certified service engineers should perform the following tasks on this product and the options provided by Fujitsu. Customers must not perform these tasks under any circumstances. Otherwise, electric shock, injury, or fire may result.

- Newly installing or moving equipment
- Removing the front, rear, and side covers
- Installing and removing built-in options
- Connecting and disconnecting external interface cables
- Maintenance (repair and periodic diagnosis and maintenance)

The List of important alert items table lists important alert items.

List of important alert items

The important warning matter that has been described in this manual is as follows.



This indicates a hazardous situation that could result in minor or moderate personal injury if the user does not perform the procedure correctly. This also indicates that damage to the product or other property may occur if the user does not perform the procedure correctly

Operation division	Content of alert	Chapter of description
Normal operation	(data destruction)	6.6 Dump device
	Reconfirm whether the selection of the disk is	selection menu
	correct when you select the dump device. Data is	
	destroyed when executing it with the selection	
	makes a mistake.	

Warning labels

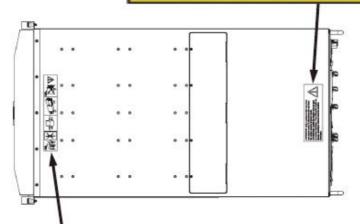
The following warning labels are affixed to this product. These labels are intended for the users of this product.



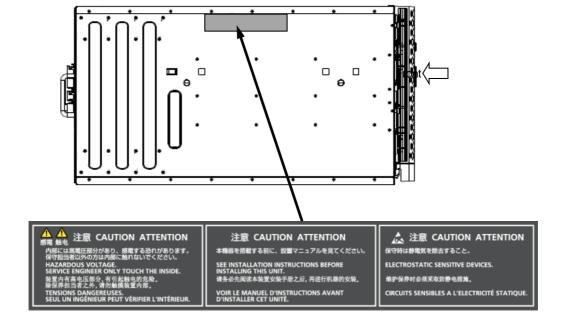
Never remove the warning labels.

Warning label location (the main cabinet top)

ATTENTION: Unit is equipped with more than one power cord. To disconnect the unit from the mains remove all power cords! ATTENTION: L'unité est équipée de plus d'un cordon électrique, Pour démonter l'unité du réseau électrique enlevez tous les cordons électriques! ACHTUNG: Gerät hat mehr als eine Netzanschlussleitung, Zur Trennung vom Versorgungsnetz alle Netzleitungen abziehen!

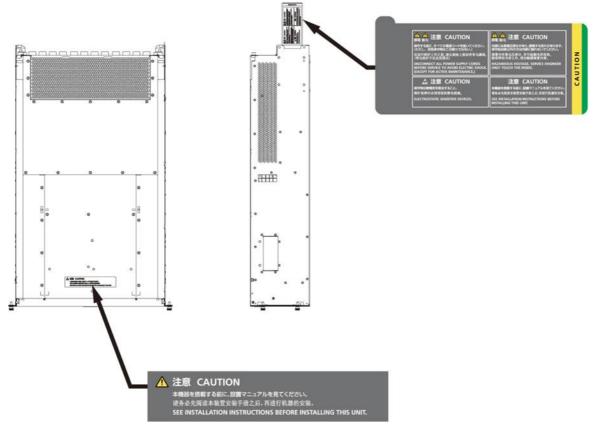






Warning label location (the main cabinet left)

Warning label location (PCI_Box)



Notes on Handling the Product

About this product

This product is designed and manufactured for standard applications. Such applications include, but are not limited to, general office work, personal and home use, and general industrial use. The product is not intended for applications that require extremely high levels of safety to be guaranteed (referred to below as "safety-critical" applications). Use of the product for a safety-critical application may present a significant risk of personal injury and/or death. Such applications include, but are not limited to, nuclear reactor control, aircraft flight control, air traffic control, mass transit control, medical life support, and missile launch control. Customers shall not use the product for a safety-critical system are requested to consult the Fujitsu sales representatives in charge.

Storage of accessories

Keep the accessories in a safe place because they are required for server operations.

Adding optional products

For stable operation of the PRIMEQUEST 2000 series server, use only a Fujitsu-certified optional product as an added option.

Note that the PRIMEQUEST 2000 series server is not guaranteed to operate with any optional product not certified by Fujitsu.

Exportation/release of this product

Exportation/release of this product may require necessary procedures in accordance with the regulations of the Foreign Exchange and Foreign Trade Control Law of Japan and/or US export control laws.

Maintenance

AWARNING

Only Fujitsu certified service engineers should perform the following tasks on this product and the options provided by Fujitsu. Customers must not perform these tasks under any circumstances. Otherwise, electric shock, injury, or fire may result.

- Newly installing or moving equipment
- Removing the front, rear, and side covers
- Installing and removing built-in options
- Connecting and disconnecting external interface cables
- Maintenance (repair and periodic diagnosis and maintenance)

ACAUTION

Only Fujitsu certified service engineers should perform the following tasks on this product and the options provided by Fujitsu. Customers must not perform these tasks under any circumstances. Otherwise, product failure may result. PRIMEQUEST 2000 Series General Description

- Unpacking an optional Fujitsu product, such as an optional adapter, delivered to the customer

Modifying or recycling the product



Modifying this product or recycling a secondhand product by overhauling it without prior approval may result in personal injury to users and/or bystanders or damage to the product and/or other property.

Note on erasing data from hard disks when disposing of the product or transferring it

Disposing of this product or transferring it as is may enable third parties to access the data on the hard disk and use it for unforeseen purposes. To prevent the leakage of confidential information and important data, all of the data on the hard disk must be erased before disposal or transfer of the product.

However, it can be difficult to completely erase all of the data from the hard disk. Simply initializing (reformatting) the hard disk or deleting files on the operating system is insufficient to erase the data, even though the data appears at a glance to have been erased. This type of operation only makes it impossible to access the data from the operating system. Malicious third parties can restore this data.

If you save your confidential information or other important data on the hard disk, you should completely erase the data, instead of simply carrying out the aforementioned operation, to prevent the data from being restored. To prevent important data on the hard disk from being leaked when the product is disposed of or transferred, you will need to take care to erase all the data recorded on the hard disk on your own responsibility.

Furthermore, if a software license agreement restricts the transfer of the software (operating system and application software) on the hard disk in the server or other product to a third party, transferring the product without deleting the software from the hard disk may violate the agreement. Adequate verification from this point of view is also necessary.

Support and service

Product and service inquiries

For all product use and technical inquiries, contact the distributor where you purchased your product, or a Fujitsu sales representative or systems engineer (SE). If you do not know the appropriate contact address for inquiries about the PRIMEQUEST 2000 series, use the Fujitsu contact line.

Fujitsu contact line

We accept Web inquiries. For details, visit our website: https://support.ts.fujitsu.com/IndexContact.asp?Ing=COM&In=true

Warranty

If a component failure occurs during the warranty period, we will repair it free of charge in accordance with the terms of the warranty agreement. For details, see the warranty.

Before requesting a repair

If a problem occurs with the product, confirm the problem by referring to 12.2 Troubleshooting in the *PRIMEQUEST 2000 Series Administration Manual* (CA92344-0537). If the error recurs, contact your sales representative or a field engineer. Confirm the model name and serial number shown on the label affixed to the right front of the device and report it. Also check any other required items beforehand according to 12.2 Troubleshooting in the *PRIMEQUEST 2000 Series Administration Manual* (CA92344-0537).

The system settings saved by the customer will be used during maintenance.

Manual

How to use this manual

This manual contains important information about the safe use of this product. Read the manual thoroughly to understand the information in it before using this product. Be sure to keep this manual in a safe and convenient location for quick reference.

Fujitsu makes every effort to prevent users and bystanders from being injured and to prevent property damage. Be sure to use the product according to the instructions in the manual.

Exportation/release of this document may require necessary procedures in accordance with the regulations of the Foreign Exchange and Foreign Trade Control Law of Japan and/or US export control laws.

Manuals for the PRIMEQUEST 2000 series

The following manuals have been prepared to provide you with the information necessary to use the PRIMEQUEST 2000 series.

You can access HTML versions of these manuals at the following sites:

Japanese-language site:

http://www.fujitsu.com/jp/products/computing/servers/primequest/products/2000/catalog/manual/2000/

Global site: <u>http://www.fujitsu.com/global/products/computing/servers/mission-critical/primequest/</u>

http://manuals.ts.fujitsu.com/

Title	Description	Manual code
PRIMEQUEST 2000 Series	Describes what manuals you should read and how to	CA92344-0522
Getting Started Guide	access important information after unpacking the	
	PRIMEQUEST 2000 series server. (This manual comes	
	with the product.)	
PRIMEQUEST 2000 Series	Contains important information required for using the	CA92344-0523
Safety and Regulatory	PRIMEQUEST 2000 series safely.	
Information		
PRIMEQUEST 2000 Series	Describes the functions and features of the	CA92344-0534
General Description	PRIMEQUEST 2000 series.	
SPARC M10	Provides the necessary information and concepts you	C120-H007EN
Systems/SPARC	should understand for installation and facility planning for	
Enterprise/PRIMEQUEST	SPARC M10 Systems, SPARC Enterprise, and	
Common Installation Planning	PRIMEQUEST installations.	
Manual		
PRIMEQUEST 2000 Series	Includes the specifications of and the installation location	CA92344-0535
Hardware Installation Manual	requirements for the PRIMEQUEST 2000 series.	
PRIMEQUEST 2000 Series	Describes how to set up the PRIMEQUEST 2000 series	CA92344-0536
Installation Manual	server, including the steps for installation preparation,	
	initialization, and software installation.	
PRIMEQUEST 2000 Series	Describes how to use the Web-UI and UEFI to assure	CA92344-0538
User Interface Operating	proper operation of the PRIMEQUEST 2000 series	
Instructions	server.	
PRIMEQUEST 2000 Series	Describes how to use tools and software for system	CA92344-0537
Administration Manual	administration and how to maintain the system	
	(component replacement and error notification).	
PRIMEQUEST 2000 Series	Provides information on operation methods and settings,	CA92344-0539
Tool Reference	including details on the MMB and UEFI functions.	
PRIMEQUEST 2000 Series	Lists the messages that may be displayed when a	CA92344-0540
Message Reference	problem occurs during operation and describes how to	
	respond to them	
PRIMEQUEST 2000 Series	Describes REMCS service installation and operation.	CA92344-0542
REMCS Installation Manual		
PRIMEQUEST 2000 Series	Defines the PRIMEQUEST 2000 series related terms	CA92344-0541
Glossary	and abbreviations.	

Related manuals

The following manuals relate to the PRIMEQUEST 2000 series.

You can access these manuals at the following site:

http://www.fujitsu.com/global/products/computing/servers/mission-critical/primequest/ http://manuals.ts.fujitsu.com/

Contact your sales representative for inquiries about the ServerView manuals.

Title	Description
ServerView Suite ServerView Operations	Describes how to install and start ServerView Operations Manager
Manager Quick Installation (Windows)	in a Windows environment.
ServerView Suite ServerView Operations	Describes how to install and start ServerView Operations Manager
Manager Quick Installation (Linux)	in a Linux environment.
ServerView Suite ServerView Installation	Describes the installation procedure using ServerView Installation
Manager	Manager.
ServerView Suite ServerView Operations	Provides an overview of server monitoring using ServerView
Manager Server Management	Operations Manager, and describes the user interface of
	ServerView Operations Manager.
ServerView Suite ServerView RAID	Describes RAID management using ServerView RAID Manager.
Management User Manual	
ServerView Suite Basic Concepts	Describes basic concepts about ServerView Suite.
ServerView Operations Manager Installation	Describes installation and update installation of ServerView Linux
ServerView Agents for Linux	Agent.
ServerView Operations Manager Installation	Describes installation and update installation of ServerView
ServerView Agents for Windows	Windows Agent.
ServerView Mission Critical Option User Manual	Describes the necessary functions unique to PRIMEQUEST (cluster
	linkage) and ServerView Mission Critical Option (SVmco), which is
	required for supporting these functions.
ServerView RAID Manager VMware vSphere	Describes the installation and settings required to use ServerView
ESXi 5 Installation Guide	RAID Manager on the VMware vSphere ESXi 5 server.
Modular RAID Controller	"Provides technical information on using SAS RAID controllers.
LSI MegaRAID SAS 2.0 Software	RAID Ctrl SAS 6Gb 1GB (D3116C)
LSI MegaRAID SAS 2.0 Device Driver	MegaRAID SAS 9286CV-8e
Installation	
	Refer to the following URL:
	The Fujitsu Technology Solutions manuals server
	http://manuals.ts.fujitsu.com/"
Modular RAID Controller	"Provides technical information on using SAS RAID controllers.
LSI MegaRAID SAS 3.0 Software	PRAID EP400i / EP420i (D3216)
LSI Integrated RAID SAS 3.0 Solution	PRAID EP420e
	Refer to the following URL:
	The Fujitsu Technology Solutions manuals server

Title	Description
	http://manuals.ts.fujitsu.com/"

Abbreviations

This manual uses the following product name abbreviations.

Formal product name	Abbreviation
Microsoft (R) Windows Server (R) 2016 Standard	Windows, Windows Server 2016
Microsoft (R) Windows Server (R) 2016 Datacenter	
Microsoft (R) Windows Server (R) 2012 R2 Datacenter	Windows, Windows Server 2012 R2
Microsoft (R) Windows Server (R) 2012 R2 Standard	
Microsoft (R) Windows Server (R) 2012 Datacenter	Windows, Windows Server 2012
Microsoft (R) Windows Server (R) 2012 Standard	
Microsoft (R) Windows Server (R) 2008 R2 Standard	Windows, Windows Server 2008 R2
Microsoft (R) Windows Server (R) 2008 R2 Enterprise	
Microsoft (R) Windows Server (R) 2008 R2 Datacenter	
Red Hat (R) Enterprise Linux (R) 7 (for Intel64)	Linux RHEL7, RHEL7.x, RHEL
Red Hat (R) Enterprise Linux (R) 6(for Intel64)	Linux RHEL6, RHEL6.x, RHEL
Oracle Linux 6 (x86_64)	Oracle Linux, Oracle Linux 6
VMware vSphere (R) 6	VMware, vSphere 6.x, VMware 6, VMware 6.x
VMware (R) ESXi (R) 6	ESX, ESX 6, ESX 6.x
VMware vSphere (R) 5	VMware, vSphere 5.x, VMware 5, VMware 5.x
VMware (R) ESXi (R) 5	ESX, ESX 5, ESX 5.x
SUSE (R) Linux Enterprise Server 12	SLES, SLES 12
SUSE (R) Linux Enterprise Server 11	SLES, SLES 11

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- Other company names and product names are the trademarks or registered trademarks of their respective owners.
- Trademark indications are omitted for some system and product names in this manual.

Notation

This manual uses the following fonts and symbols to express specific types of information.

Font or	Meaning	Example
symbol		
italics	Title of a manual that you should refer to	See the PRIMEQUEST
		2000 Series Installation
		Manual (CA92344-0536).
[]	Window names as well as the names of	Click the [OK] button.
	buttons, tabs, and drop-down menus in	
	windows are enclosed in brackets.	

Notation for the CLI (command line interface)

The following notation is used for commands.

Command syntax

Command syntax is represented as follows.

- Variables requiring the entry of a value are enclosed in angle brackets < >.
- Optional elements are enclosed in brackets [].
- Options for optional keywords are grouped in | (stroke) separated lists enclosed in brackets [].
- Options for required keywords are grouped in | (stroke) separated lists enclosed in braces { }.

Command syntax is written in a box.

Remarks

The command output shown in the PDF manuals may include line feeds at places where there is no line feed symbol (¥ at the end of the line).

Notes on notations

- In this manual, the Management Board and MMB firmware are abbreviated as "MMB."
- In this manual,, IOU_10GbE and IOU_1GbE are matched and it is written as "IOU".
- Screenshots contained in this manual may differ from the actual product screen displays.
- The IP addresses, configuration information, and other such information contained in this manual are display examples and differ from that for actual operation.
- If you have a comment or request regarding this manual, or if you find any part of this manual unclear, please take a
 moment to share it with us by filling in the form at the following webpage, stating your points specifically, and sending
 the form to us:

https://support.ts.fujitsu.com/IndexContact.asp?Ing=COM&In=true

- The contents of this manual may be revised without prior notice.
- The PDF file of this manual is intended for display using Adobe (R) Reader (R) in single page viewing mode at 100% zoom.
- The PSU_P supports only 200 V power supply.

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CHAPTER 1 MMB Web-UI (Web User Interface) Operations

This chapter describes the menus used to manage and operate the PRIMEQUEST 2000 series server with the MMB Web-UI. It also describes how to use the MMB Web-UI.

1.1 Web-UI Menus

The available MMB Web-UI menus differ depending on the user privileges. TABLE 1.1 User privileges lists the user privileges needed to check and operate the MMB Web-UI menus.

Privilege level	Description
Administrator	Administrator accounts are permitted to perform all operations and checks.
Operator	Operator accounts are permitted to check the PRIMEQUEST 2000 series server status
	and configure the system.
	They are not permitted to manage users or change the network configuration.
	With Operator privileges, you cannot:
	 Manipulate the power supply from the [System Power Control] window
	- Change the status of the FANs and PSUs
	- Change the partition configuration
	- Configure a Reserved SB
Partition Operator	Partition Operator accounts have the same privileges as Operator accounts, except that
	their privileges are restricted to specific partitions. Like Operator accounts, they are
	permitted to check the system status.
	Unlike Operator accounts, they are not permitted to perform some operations such as
	clearing the status of an SB/IOU.
User	User accounts are only permitted to check the PRIMEQUEST 2000 series server status.
	They are not permitted to set system configuration information or power on or off the
	partitions.
CE	CE accounts are permitted to check the PRIMEQUEST 2000 series server status.
	They are also permitted to manipulate the power supply.

TABLE 1.1 User privileges

The following sections outline the Web-UI menus that are available for each type of user privilege.

- 1.1.1 Web-UI menus (Administrator)
- 1.1.2 Web-UI menus (Operator)
- 1.1.3 Web-UI menus (Partition Operator)
- 1.1.4 Web-UI menus (User)
- 1.1.5 Web-UI menus (CE)
- 1.1.6 Web-UI menus in maintenance mode
- 1.1.7 Web-UI menus in maintenance mode (Administrator)
- 1.1.8 Web-UI menus in maintenance mode (Operator)
- 1.1.9 Web-UI menus in maintenance mode (Partition Operator)
- 1.1.10 Web-UI menus in maintenance mode (User)
- 1.1.11 Web-UI menus in maintenance mode (CE)
- 1.1.12 Web-UI menus in maintenance mode (maintenance personnel)
- 1.1.13 Web-UI menus (PRIMEQUEST 2800B3/2800B2/2800B model)

1.1.1 Web-UI menus (Administrator)

This section lists the Web-UI menus that are available with the Administrator privileges.

- RW: The account user can refer to and set information and control operation from the menu.
- RO: The account user can only refer to information from the menu.
- N/A: The account user cannot view the menu and submenus.

Navigation bar	1st level	2nd level	Privileges	Remarks
System	·			
•	System Status		RO	Displays the overall system
				status.
	System Event Log		RW	Displays system event logs.
	Operation Log		RW	Displays the operations on the
				Web-UI and CLI.
	Partition Event Log		RW	Displays the REMCS
				notification messages of a
				PRIMEQUEST partition.
	System Information		RW	Displays system information,
				such as the system name or
			50	product name.
	Firmware Information		RO	Displays firmware version
			DW	information.
	System Setup		RW	Sets the system configuration.
	System Power		RW	Controls the power.
	Control		DW/	Diaploya the LED status
	LEDs Dowor Supply		RW RW	Displays the LED status.
	Power Supply		RVV	Displays the power supply status.
	Fans		RW	Displays the fan status.
	Temperature		RO	Displays the temperatures
	remperature		κυ	detected by the temperature
				sensors of the PRIMEQUEST
				2000 series system.
	SB			
		SB#0	RW	Displays the SB or Memory
		SB#1	RW	Scale-up Board status.
		SB#2	RW	The menu is not displayed for
		SB#3	RW	an unmounted SB.
	IOU			
		IOU#0	RW	Displays the IOU status.
		IOU#1	RW	The menu is not displayed for
		IOU#2	RW	an unmounted IOU.
		IOU#3	RW	-
	DU			
		DU#0	RW	Displays the DU status.
		DU#1	RW	The menu is not displayed for
				an unmounted DU.
	PCI_Box			If no PCI_Box is connected, this
				menu is not displayed.
		PCI_Box#0	RW	Displays the PCI_Box status.
		PCI_Box#1	RW	The menu is not displayed for
		PCI_Box#2	RW	an unmounted PCI_Box.
		PCI_Box#3	RW	
	OPL		RW	
	MMB			
		MMB#0	RW	Displays the MMB status and

TABLE 1.2 Web-UI menus (Administrator)

Navigation bar	1st level	2nd level	Privileges	Remarks
		MMB#1	RW	information.
	Disk Enclosure			If no Disk Enclosure is connected, this menu is not displayed.
		Disk	RW	The menu is not displayed for
		Enclosure#x		an unmounted Disk Enclosure.
Partition				
	Power Control		RW	Controls the partition power.
	Schedule			
		Schedule Control	RW	Sets scheduled operations.
		Schedule List	RW	Sets the power-on/off schedule.
	Console Redirection Setup		RW	Sets Video Redirection, Remote Storage, and Text Console Redirection.
		IPv4 Console Redirection Setup	RW	Setting for IPv4 Console Redirection.
		IPv6 Console Redirection Setup	RW	Setting for IPv6 Console Redirection.
	Partition Configuration		RW	Changes the partition configuration.
	Partition#n Extended Partition Configuration			Changes the Extended Partitioning configuration. When Extended Partitioning Mode is Disable, this menu is not displayed.
		SB	RW	
		IOU#n	RW	
		PCI_Box#n	RW	
	Extended Socket	_	RW	Sets concerning Extended
	Configuration			Socket. (Zone setting)
	Reserved SB Configuration		RW	Defines a Reserved SB.
	Power Management Setup		RW	
	Partition#0			If no board belongs to the partition, this submenu is not displayed.
		Information	RO	Displays the partition status and partition-related information.
		ASR Control	RW	Sets the conditions for automatically restarting the partition.
		Console Redirection	RW	Displays the console output of the partition.
		Mode	RW	Sets the mode for the partition.
		SSD Life Cycle Management	RO	If as much as one PCIe SSD card is not installed, this menu is not displayed.
	Partition#1			Same as for Partition#0
	Partition#2	1		1
	Partition#3	1		1
User Administra		1 I		-
	User List		RW	Lists, edits, and deletes registered user accounts.
	Change Password		RW	Changes the password of the user's own account.
	Who		RO	Displays all users who are logged in to the MMB.

Navigation bar	1st level	2nd level	Privileges	Remarks
	LDAP Configuration		RW	Sets concerning LDAP.
	y	Directory	RW	Sets for MMB to access
		Service		directory service by way of
		Configuration		LDAP.
		LDAP User	RW	Displays, edits and deletes the
		Group List	1	list of registered LDAP User
				Group.
Network Configu	ration			Gloup.
Network Conlig	Date/Time		RW	
			RW	
	Network Interface		514/	
		IPv4 Interface	RW	Sets the IPv4 IP address, etc.
		IPv6 Interface	RW	Sets the IPv6 IP address,
				etc.
	Management LAN		RW	Configures the Port LAN of the
	Port Configuration			MMB HUB.
	Network Protocols		RW	-
	Refresh Rate		RW	Sets the refresh rate of the
	Refresh Rate		1	Web-UI window.
	SNMP Configuration		RW	
	SINIVIE CONTINUATION	Community	RW	
		Community		
		Trap	RW	
		SNMPv3	RW	
		Configuration		
	SSL			
		Create CSR	RW	Creates a secret key and CSR.
		Export	RW	Exports a secret key and CSR.
		Key/CSR		
		Import	RW	Installs a certificate.
		Certificate		
		Create	RW	Creates a selfsigned certificate.
		Selfsigned		ereatee a cenergine a centricater
		Certificate		
	SSH	Ocranicate		
	5611	SSH Server	RW	Creates a private key for the
				SSH server.
	Remote Server	Key	RW	
			RW	
	Management		514/	
	Access Control		RW	Sets the IP filtering that permits
				connections.
	Alarm E-mail		RW	
Maintenance				1
	Firmware Update			
		Unified	RW	Performs a batch update.
		Firmware		
		Update		
	Backup/Restore			Backs up and restores setting
	Configuration			information.
		Backup/Restore	RW	
		MMB		
		Configuration		
		Backup BIOS	RW	
			1744	
		Configuration Restore BIOS		
			RW	
		Configuration		
	Maintenance Wizard		RW	Performs maintenance through
				a wizard.
	REMCS			
		REMCS	RW	
		Detail Setup	RW	

1.1.2 Web-UI menus (Operator)

This section lists the Web-UI menus that are available with the Operator privileges.

- RW: The account user can refer to and set information and control operation from the menu.
- RO: The account user can only refer to information from the menu.
- N/A: The account user cannot view the menu and submenus.

Navigation bar	1st level	2nd level	Privileges	Remarks
System				
	System Status		RO	Displays the overall system status.
	System Event		RO	Displays system event logs.
	Log Operation Log		RO	Displays the operations on the
	Operation Log		KU	Web-UI and CLI.
	Partition Event		RO	Displays the REMCS notification
	Log		110	messages of a PRIMEQUEST
	9			partition.
	System		RO	Displays system information, such
	Information			as the system name or product
				name.
	Firmware		RO	Displays firmware version
	Information			information.
	System Setup		RO	Sets the system configuration.
	System Power		RO	Controls the power.
	Control LEDs		RW	Displays the LED status
	Power Supply		RO	Displays the LED status. Displays the power supply status.
	Fans		RO	Displays the fan status.
	Temperature		RO	Displays the temperatures detected
	remperature		ĸo	by the temperature sensors of the
				PRIMEQUEST 2000 series
				system.
	SB			
		SB#0	RW	Displays the SB or Memory Scale-
		SB#1	RW	up Board status.
		SB#2	RW	The menu is not displayed for an
		SB#3	RW	unmounted SB.
	IOU	1011//0	514	
		IOU#0	RW	Displays the IOU status.
		IOU#1	RW	The menu is not displayed for an unmounted IOU.
		IOU#2 IOU#3	RW RW	
	DU	100#3	RVV	
	00	DU#0	RW	Displays the DU status.
		DU#1	RW	The menu is not displayed for an
		00#1	1.00	unmounted DU.
	PCI_Box			If no PCI_Box is connected, this
				menu is not displayed.
		PCI_Box#0	RW	Displays the PCI_Box status.
		PCI_Box#1	RW	The menu is not displayed for an
		PCI_Box#2	RW	unmounted PCI_Box.
		PCI_Box#3	RW	
	OPL		RW	
	MMB		-	
		MMB#0	RW	Displays the MMB status and
		MMB#1	RW	information.
	Disk Enclosure			If no Disk Enclosure is connected,
		Diale		this menu is not displayed.
		Disk	RW	The menu is not displayed for an

TABLE 1.3 Web-UI menus (Operator)

Navigation bar	1st level	2nd level	Privileges	Remarks
		Enclosure#x		unmounted Disk Enclosure.
Partition	1	1		
	Power Control		RW	Controls the partition power.
	Schedule			
		Schedule	RW	Sets scheduled operations.
		Control		
		Schedule List	RW	Sets the power-on/off schedule.
	Console		RO	Sets Video Redirection, Remote
	Redirection Setup			Storage, and Text Console
			50	Redirection.
		IPv4 Console	RO	Setting for IPv4 Console
		Redirection		Redirection.
		Setup IPv6 Console	RO	Setting for IPv6 Console
		Redirection	KU	Redirection.
		Setup		Redirection.
	Partition	Oetup	RO	Changes the partition
	Configuration		NO	configuration.
	Partition#n			Changes the Extended Partitioning
	Extended			configuration.
	Partition			When Extended Partitioning Mode
	Configuration			is Disable, this menu is not
	<u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u>			displayed.
		SB	RO	
		IOU#n	RO	
		PCI_Box#n	RO	
	Extended Socket	_	RW	Sets concerning Extended Socket.
	Configuration			(Zone setting)
	Reserved SB		RO	Defines a Reserved SB.
	Configuration			
	Power		RO	
	Management			
	Setup			
	Partition#0			If no board belongs to the partition,
			-	this submenu is not displayed.
		Information	RO	Displays the partition status and
				partition-related information.
		ASR Control	RO	Sets the conditions for
				automatically restarting the
		Console	D\//	partition. Displays the console output of the
		Redirection	RW	partition.
		Mode	RW	Sets the mode for the partition.
	+	SSD Life Cycle	RO	If as much as one PCIe SSD card
		Management	NO	is not installed, this menu is not
		manayement		displayed.
	Partition#1			Same as for Partition#0
	Partition#2			
	Partition#3			1
User Administrat		I		1
	User List		N/A	Lists, edits, and deletes registered
				user accounts.
	Change		RW	Changes the password of the
	Password			user's own account.
	Who		RO	Displays all users who are logged
	-			in to the MMB.
	LDAP		N/A	Sets concerning LDAP.
	Configuration			J
	Ĭ	Directory	N/A	Sets for MMB to access directory
		Service		service by way of LDAP.
		Configuration		
		LDAP User	N/A	Displays, edits and deletes the list

Navigation bar	1st level	2nd level	Privileges	Remarks
		Group List		of registered LDAP User Group.
Network Configu				
	Date/Time		RO	
	Network Interface			
		IPv4 Interface	RO	Sets the IPv4 IP address, etc.
		IPv6 Interface	RO	Sets the IPv6 IP address, etc.
	Management LAN Port Configuration		N/A	Configures the Port LAN of the MMB HUB.
	Network Protocols		RO	
	Refresh Rate		RW	Sets the refresh rate of the Web-UI window.
	SNMP Configuration		N/A	
		Community	N/A	
		Trap	N/A	
		SNMPv3 Configuration	N/A	
	SSL			
		Create CSR	N/A	Creates a secret key and CSR.
		Export Key/CSR	N/A	Exports a secret key and CSR.
		Import Certificate	N/A	Installs a certificate.
		Create Selfsigned Certificate	N/A	Creates a selfsigned certificate.
	SSH			
		SSH Server Key	N/A	Creates a private key for the SSH server.
	Remote Server Management		N/A	
	Access Control		N/A	Sets the IP filtering that permits connections.
	Alarm E-mail		N/A	
Maintenance				
	Firmware Update			
		Unified Firmware Update	N/A	Performs a batch update.
	Backup/Restore Configuration			Backs up and restores setting information.
		Backup/Restore MMB Configuration	N/A	
		Backup BIOS Configuration	N/A	
		Restore BIOS Configuration	N/A	
	Maintenance		N/A	Performs maintenance through a
	Wizard		•	wizard.
	REMCS			
		REMCS	N/A	
		Detail Setup	N/A	

1.1.3 Web-UI menus (Partition Operator)

This section lists the Web-UI menus that are available with the Partition Operator privileges.

- RW: The account user can refer to and set information and control operation from the menu.
- RO: The account user can only refer to information from the menu.
- N/A: The account user cannot view the menu and submenus.

Navigation bar System	1st level	2nd level	Privileges (Same partition)	Privileges (Other partition)	Remarks
System	System Status		RO	RO	Displays the overall system status.
	System Event Log		RO	RO	Displays system event logs.
	Operation Log		RO	RO	Displays the operations on the Web-UI and CLI.
	Partition Event Log		RO	RO	Displays the REMCS notification messages of a PRIMEQUEST partition.
	System Information		RO	RO	Displays system information, such as the system name or product name.
	Firmware Information		RO	RO	Displays firmware version information.
	System Setup		RO	RO	Sets the system configuration.
	System Power Control		RO	RO	Controls the power.
	LEDs		RW	RW	Displays the LED status.
	Power Supply		RO	RO	Displays the power supply status.
	Fans		RO	RO	Displays the fan status.
	Temperature		RO	RO	Displays the temperatures detected by the temperature sensors of the PRIMEQUEST 2000 series system.
	30	SB#0	RO	RO	Displays the SB or
		SB#0 SB#1	RO	RO RO	Memory Scale-up
		SB#2	RO	RO	Board status.
		SB#3	RO	RO	The menu is not displayed for an unmounted SB.
	IOU				
		IOU#0	RO	RO	Displays the IOU

Navigation bar	1st level	2nd level	Privileges (Same partition)	Privileges (Other partition)	Remarks
		IOU#1	RO	RO	status.
		IOU#2	RO	RO	The menu is not
		IOU#3	RO	RO	displayed for an
			_	-	unmounted IOU.
	DU				
		DU#0	RO	RO	Displays the DU
		DU#1	RO	RO	status.
					The menu is not
					displayed for an
					unmounted DU.
	PCI_Box				If no PCI_Box is
					connected, this
					menu is not
			50		displayed.
		PCI_Box#0	RO	RO	Displays the
		PCI_Box#1	RO	RO	PCI_Box status.
		PCI_Box#2	RO	RO	The menu is not
		PCI_Box#3	RO	RO	displayed for an unmounted
					PCI Box.
	OPL		RO	RO	
	MMB		i NO	NO	
		MMB#0	RO	RO	Displays the MMB
		MMB#1	RO	RO	status and
			i to	RO	information.
	Disk Enclosure				If no Disk
	Disk Enclosed o				Enclosure is
					connected, this
					menu is not
					displayed.
		Disk	RO	RO	The menu is not
		Enclosure#x			displayed for an
					unmounted Disk
					Enclosure.
Partition					
	Power Control		RW	RO	Controls the
	L				partition power.
	Schedule				
		Schedule	RW	RO	Sets scheduled
		Control			operations.
		Schedule List	RW	RO	Sets the power-
					on/off schedule.
	Console		RO	RO	Sets Video
	Redirection				Redirection,
	Setup				Remote Storage,
					and Text Console
		IPv4 Console			Redirection.
			RO	RO	Setting for IPv4 Console
		Redirection Setup			Redirection.
		IPv6 Console	RO	RO	Setting for IPv6
		Redirection	RU	κυ	Console
		Setup			Redirection.
	Partition	Jeiup	RO	RO	Changes the
	Configuration			NO	partition
					configuration.
L	1				sormgulation.

Navigation bar	1st level	2nd level	Privileges (Same partition)	Privileges (Other partition)	Remarks
	Partition#n Extended Partition Configuration				Changes the Extended Partitioning configuration. When Extended Partitioning Mode is Disable, this
			2.0		menu is not displayed.
		SB	RO	RO	
		IOU#n	RO	RO	
		PCI_Box#n	RO	RO	
	Extended Socket Configuration		RW	RO	Sets concerning Extended Socket. (Zone setting)
	Reserved SB Configuration		RO	RO	Defines a Reserved SB.
	Power Management Setup		RO	RO	
	Partition#0				If no board belongs to the partition, this submenu is not displayed.
		Information	RO	N/A	Displays the partition status and partition-related information.
		ASR Control	RW	N/A	Sets the conditions for automatically restarting the partition.
		Console Redirection	RW	N/A	Displays the console output of the partition.
		Mode	RW	N/A	Sets the mode for the partition.
		SSD Life Cycle Management	RO	RO	If as much as one PCIe SSD card is not installed, this menu is not displayed.
	Partition#1				Same as for
	Partition#2				Partition#0
	Partition#3				
User Administ					
	User List		N/A	N/A	Lists, edits, and deletes registered user accounts.
	Change Password		RW	N/A	Changes the password of the user's own account.
	Who		RO	RO	Displays all users who are logged in to the MMB.
	LDAP Configuration		N/A	N/A	Sets concerning LDAP.

Navigation bar	1st level	2nd level	Privileges (Same partition)	Privileges (Other partition)	Remarks
		Directory Service Configuration	N/A	N/A	Sets for MMB to access directory service by way of LDAP.
		LDAP User Group List	N/A	N/A	Displays, edits and deletes the list of registered LDAP User Group.
Network Conf		1			
	Date/Time Network		RO	RO	
	Interface				
		IPv4 Interface	RO	RO	Sets the IPv4 IP address, etc.
		IPv6 Interface	RO	RO	Sets the IPv6 IP address, etc.
	Management LAN Port Configuration		N/A	N/A	Configures the Port LAN of the MMB HUB.
	Network Protocols		RO	RO	
	Refresh Rate		RW	RW	Sets the refresh rate of the Web-UI window.
	SNMP Configuration		N/A	N/A	
		Community	N/A	N/A	
		Тгар	N/A	N/A	
	SSL	SNMPv3 Configuration	N/A	N/A	
	55L	Create CSR	N/A	N/A	Creates a secret key and CSR.
		Export Key/CSR	N/A	N/A	Exports a secret key and CSR.
		Import Certificate	N/A	N/A	Installs a certificate.
		Create Selfsigned Certificate	N/A	N/A	Creates a selfsigned certificate.
	SSH	SSH Server Key	N/A	N/A	Creates a private key for the SSH server.
	Remote Server Management		N/A	N/A	
	Access Control		N/A	N/A	Sets the IP filtering that permits connections.
	Alarm E-mail		N/A	N/A	
Maintenance	Firmware				
	Update	Unified Firmware Update	N/A	N/A	Performs a batch update.
	Backup/Restore Configuration				Backs up and restores setting information.

Navigation bar	1st level	2nd level	Privileges (Same partition)	Privileges (Other partition)	Remarks
		Backup/Restore MMB Configuration	N/A	N/A	
		Backup BIOS Configuration	N/A	N/A	
		Restore BIOS Configuration	N/A	N/A	
	Maintenance Wizard		N/A	N/A	Performs maintenance through a wizard.
	REMCS				
		REMCS	N/A	N/A	
		Detail Setup	N/A	N/A	

1.1.4 Web-UI menus (User)

This section lists the Web-UI menus that are available with the User privileges.

- RW: The account user can refer to and set information and control operation from the menu.
 - RO: The account user can only refer to information from the menu.
- N/A: The account user cannot view the menu and submenus.

Navigation bar	1st level	2nd level	Privileges	Remarks
System	1	I		
	System Status		RO	Displays the overall system status.
	System Event		RO	Displays system event logs.
	Log			
	Operation Log		RO	Displays the operations on the
			50	Web-UI and CLI.
	Partition Event		RO	Displays the REMCS notification
	Log			messages of a PRIMEQUEST partition.
	System		RO	Displays system information, such
	Information		i i i i i i i i i i i i i i i i i i i	as the system name or product
	Information			name.
	Firmware		RO	Displays firmware version
	Information			information.
	System Setup		RO	Sets the system configuration.
	System Power		RO	Controls the power.
	Control			
	LEDs		RW	Displays the LED status.
	Power Supply		RO	Displays the power supply status.
	Fans		RO	Displays the fan status.
	Temperature		RO	Displays the temperatures detected
			_	by the temperature sensors of the
				PRIMEQUEST 2000 series
				system.
	SB			
		SB#0	RO	Displays the SB or Memory Scale-
		SB#1	RO	up Board status.
		SB#2	RO	The menu is not displayed for an
		SB#3	RO	unmounted SB.
	IOU			
		IOU#0	RO	Displays the IOU status.
		IOU#1	RO	The menu is not displayed for an
		IOU#2	RO	unmounted IOU.
		IOU#3	RO	
	DU			
		DU#0	RO	Displays the DU status.
		DU#1	RO	The menu is not displayed for an
				unmounted DU.
	PCI_Box			If no PCI_Box is connected, this
				menu is not displayed.
		PCI_Box#0	RO	Displays the PCI_Box status.
		PCI_Box#1	RO	The menu is not displayed for an
		PCI_Box#2	RO	unmounted PCI_Box.
	1	PCI_Box#3	RO	
	OPL		RO	
	OPL MMB			
		MMB#0	RO	Displays the MMB status and
		MMB#0 MMB#1		Displays the MMB status and information. If no Disk Enclosure is connected,

TABLE	1.5	Web-UI	menus	(User)
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Navigation bar	1st level	2nd level	Privileges	Remarks
		Disk	RO	The menu is not displayed for an
		Enclosure#x		unmounted Disk Enclosure.
Partition		1		r
	Power Control		RO	Controls the partition power.
	Schedule			
		Schedule	RO	Sets scheduled operations.
		Control		
		Schedule List	RO	Sets the power-on/off schedule.
	Console		RO	Sets Video Redirection, Remote
	Redirection Setup			Storage, and Text Console
				Redirection.
		IPv4 Console	RO	Setting for IPv4 Console
		Redirection		Redirection.
		Setup	D O	Osttise for ID:0 Osessis
		IPv6 Console	RO	Setting for IPv6 Console
		Redirection		Redirection.
		Setup		
	Partition		RO	Changes the partition
	Configuration			configuration.
	Partition#n			Changes the Extended Partitioning
	Extended			configuration.
	Partition			When Extended Partitioning Mode
	Configuration			is Disable, this menu is not
		0.0	D O	displayed.
		SB	RO	
		IOU#n	RO	
		PCI_Box#n	RO	
	Extended Socket		RO	Sets concerning Extended Socket.
	Configuration			(Zone setting)
	Reserved SB		RO	Defines a Reserved SB.
	Configuration		5.0	
	Power		RO	
	Management			
	Setup			
	Partition#0			If no board belongs to the partition
			50	this submenu is not displayed.
		Information	RO	Displays the partition status and
			5.0	partition-related information.
		ASR Control	RO	Sets the conditions for
				automatically restarting the
			N1/A	partition.
		Console	N/A	Displays the console output of the
		Redirection	50	partition.
		Mode	RO	Sets the mode for the partition.
		SSD Life Cycle	RO	If as much as one PCIe SSD card
		Management		is not installed, this menu is not
	Destition//4			displayed.
	Partition#1			Same as for Partition#0
	Partition#2			-
	Partition#3			
User Administrat		<u>г</u>	N 1 / A	
	User List		N/A	Lists, edits, and deletes registered
	Ohana		DW	user accounts.
	Change		RW	Changes the password of the
	Password		50	user's own account.
	Who		RO	Displays all users who are logged
	1.545			in to the MMB.
	LDAP		N/A	Sets concerning LDAP.
	Configuration			
		Directory	N/A	Sets for MMB to access directory
		Service		service by way of LDAP.
		Configuration		

Navigation bar	1st level	2nd level	Privileges	Remarks
		LDAP User	N/A	Displays, edits and deletes the list
		Group List		of registered LDAP User Group.
Network Configu	ration			1
	Date/Time		RO	
	Network Interface			
		IPv4 Interface	RO	Sets the IPv4 IP address, etc.
		IPv6 Interface	RO	Sets the IPv6 IP address, etc.
	Management LAN Port Configuration		N/A	Configures the Port LAN of the MMB HUB.
	Network Protocols		RO	
	Refresh Rate		RW	Sets the refresh rate of the Web-UI window.
	SNMP Configuration		N/A	
		Community	N/A	
		Trap	N/A	İ
		SNMPv3 Configuration	N/A	
	SSL			
		Create CSR	N/A	Creates a secret key and CSR.
		Export Key/CSR	N/A	Exports a secret key and CSR.
		Import Certificate	N/A	Installs a certificate.
		Create Selfsigned Certificate	N/A	Creates a selfsigned certificate.
	SSH			
		SSH Server Key	N/A	Creates a private key for the SSH server.
	Remote Server Management		N/A	
	Access Control		N/A	Sets the IP filtering that permits connections.
	Alarm E-mail		N/A	
Maintenance				•
	Firmware Update			
		Unified Firmware Update	N/A	Performs a batch update.
	Backup/Restore Configuration			Backs up and restores setting information.
		Backup/Restore MMB Configuration	N/A	
		Backup BIOS Configuration	N/A	
		Restore BIOS Configuration	N/A	
	Maintenance		N/A	Performs maintenance through a
	Wizard			wizard.
	REMCS			
		REMCS	N/A	
		Detail Setup	N/A	

1.1.5 Web-UI menus (CE)

This section lists the Web-UI menus that are available with the CE privileges.

The meanings of abbreviations in the table are as follows:

- RW: The account user can refer to and set information and control operation from the menu.
- RO: The account user can only refer to information from the menu.
- N/A: The account user cannot view the menu and submenus.

Navigation bar	1st level	2nd level	Privileges	Remarks
System				
	System Status		RO	Displays the overall system status.
	System Event Log		RO	Displays system event logs.
	Operation Log		RO	Displays the operations on the Web-UI and CLI.
	Partition Event Log		RO	Displays the REMCS notification messages of a PRIMEQUEST partition.
	System Information		RO	Displays system information, such as the system name or product name.
	Firmware Information		RO	Displays firmware version information.
	System Setup		RW	Sets the system configuration.
	System Power Control		RO	Controls the power.
	LEDs		RW	Displays the LED status.
	Power Supply		RW	Displays the power supply status
	Fans		RW	Displays the fan status.
	Temperature		RO	Displays the temperatures detected by the temperature sensors of the PRIMEQUEST 2000 series system.
	SB			· · · · · · · · · · · · · · · · · · ·
		SB#0	RW	Displays the SB or Memory
		SB#1	RW	Scale-up Board status.
		SB#2	RW	The menu is not displayed for an
		SB#3	RW	unmounted SB.
	IOU			
		IOU#0	RW	Displays the IOU status.
		IOU#1	RW	The menu is not displayed for an
		IOU#2	RW	unmounted IOU.
		IOU#3	RW	
	DU			
		DU#0	RW	Displays the DU status.
		DU#1	RW	The menu is not displayed for an unmounted DU.
	PCI_Box			If no PCI_Box is connected, this menu is not displayed.
		PCI_Box#0	RW	Displays the PCI_Box status.
		PCI_Box#1	RW	The menu is not displayed for an
		PCI_Box#2	RW	unmounted PCI_Box.
		PCI_Box#3	RW	
	OPL		RW	
	MMB			
		MMB#0	RW	Displays the MMB status and
		MMB#1	RW	information.

TABLE 1.6 Web-UI menus (CE)

Navigation bar	1st level	2nd level	Privileges	Remarks
	Disk Enclosure			If no Disk Enclosure is
				connected, this menu is not
				displayed.
		Disk	RW	The menu is not displayed for an
		Enclosure#x		unmounted Disk Enclosure.
Partition		Enclosuromy		
	Power Control		RO	Controls the partition power.
	Schedule			
		Schedule	RO	Sets scheduled operations.
		Control		•
		Schedule List	RO	Sets the power-on/off schedule.
	Console		RO	Sets Video Redirection, Remote
	Redirection Setup			Storage, and Text Console
	realization octup			Redirection.
		IPv4 Console	RO	Setting for IPv4 Console
			κυ	Redirection.
		Redirection		Redirection.
		Setup	D 0	
		IPv6 Console	RO	Setting for IPv6 Console
		Redirection		Redirection.
		Setup		
	Partition		RO	Changes the partition
	Configuration			configuration.
	Partition#n			Changes the Extended
	Extended			Partitioning
	Partition			configuration.
	Configuration			When Extended Partitioning
	J			Mode is Disable, this menu is not
				displayed.
		SB	RO	diopidyou
		IOU#n	RO	
		PCI Box#n	RO	
	Extended Socket		RO	Sets concerning Extended
	Configuration		NO	Socket. (Zone setting)
	Reserved SB		RO	Defines a Reserved SB.
	Configuration		RO	Dennes a Reserved SD.
	Power		PO	
			RO	
	Management			
	Setup			
	Partition#0			If no board belongs to the
				partition, this submenu is not
				displayed.
		Information	RO	Displays the partition status and
				partition-related information.
		ASR Control	RO	Sets the conditions for
				automatically restarting the
				partition.
		Console	N/A	Displays the console output of
		Redirection		the partition.
		Mode	RO	Sets the mode for the partition.
		SSD Life Cycle	RO	If as much as one PCIe SSD card
		Management		is not installed, this menu is not
		management		displayed.
	Partition#1			Same as for Partition#0
	Partition#2			
	Partition#3			
User Administrat		,		1
	User List		N/A	Lists, edits, and deletes
				registered user accounts.
	Change		RW	Changes the password of the
	Password			user's own account.
	Who		RO	Displays all users who are logged
		1	-	in to the MMB.

Navigation bar	1st level	2nd level	Privileges	Remarks
	LDAP Configuration		N/A	Sets concerning LDAP.
	Conliguration	Directory	N/A	Sets for MMB to access directory
		Service		service by way of LDAP.
		Configuration		Service by way of LDAL.
		LDAP User	N/A	Displays, edits and deletes the
		Group List	1 1/7 1	list of registered LDAP User
				Group.
Network Configu	iration	II		Croup:
0	Date/Time		RO	
	Network Interface			
		IPv4 Interface	RO	Sets the IPv4 IP address, etc.
		IPv6 Interface	RO	Sets the IPv6 IP address, etc.
	Management		N/A	Configures the Port LAN of the
	LAN Port			MMB HUB.
	Configuration			
	Network		RO	
	Protocols		n o	
	Refresh Rate		RW	Sets the refresh rate of the Web-
	Reflecting		1.00	UI window.
	SNMP		N/A	
	Configuration			
	Gernigulation	Community	N/A	
		Trap	N/A	
		SNMPv3	N/A	
		Configuration	1 1/7 1	
	SSL	Conngaration		
	002	Create CSR	N/A	Creates a secret key and CSR.
		Export	N/A	Exports a secret key and CSR.
		Key/CSR		Exports a secret key and bork.
		Import	N/A	Installs a certificate.
		Certificate	1 1/7 1	instans a contineate.
		Create	N/A	Creates a selfsigned certificate.
		Selfsigned		ereates à consignée contineator
		Certificate		
	SSH			
	0011	SSH Server	N/A	Creates a private key for the SSH
		Key		server.
	Remote Server		N/A	
	Management			
	Access Control		N/A	Sets the IP filtering that permits
				connections.
	Alarm E-mail		N/A	
Maintenance				
	Firmware Update			
		Unified	RW	Performs a batch update.
		Firmware		
		Update		
	Backup/Restore	opullo		Backs up and restores setting
	Configuration			information.
	Configuration	Backup/Restore	RW	
		MMB	1	
		Configuration		
		Backup BIOS	RW	
		Configuration	1.7.4	
		Restore BIOS	RW	
		Configuration		
	Maintenance	JohngulauUli	RW	Performs maintenance through a
	Wizard		L A A	wizard.
	REMCS			
	INEINIG3	REMCS	RW	
	+	Detail Setup	RW	

1.1.6 Web-UI menus in maintenance mode

Some parameters have operational restrictions when maintenance mode is set. These restrictions apply to the user who is set to maintenance mode and other users.

The following table lists the Web-UI window restrictions that apply to maintenance personnel and non-maintenance personnel in maintenance mode.

The five types of maintenance mode are as follows.

Reference: The state to do the maintenance work from the screen of Maintenance -> Maintenance Wizard with Maintenance Wizard is called a maintenance mode.

Maintenance mode	Description
Hot System Maintenance	For maintenance work on the target unit not included in a
(Target unit not included in a partition)	partition. The work can be performed without stopping
Active (system) for work	application software.
Hot Partition Maintenance	For maintenance work on a partition that is still operating
(Target unit in a activated partition)	while under maintenance. This work can be performed without
Active (partition) for work	stopping application software.
Warm System Maintenance	For maintenance work on the partition under maintenance or
(Target unit in a powered off partition)	the partition containing the target maintenance unit.
Partition stopped for work	The partition must be stopped during maintenance.
	The partitions not under maintenance need not be stopped.
Cold System Maintenance	For maintenance work that requires the system to be stopped.
(All partitions powered off, breaker on)	All applications are forcibly stopped during maintenance
Stopped (standby) for work	operation.
Cold System Maintenance	For maintenance work that requires the system to be stopped
(All partitions powered off, breaker off)	and the AC power to be turned off (MMB power off). All
Stopped (AC off) for work	applications are forcibly stopped during maintenance
	operation.

The following sections outline the Web-UI menus that are available in maintenance mode for each type of user privilege.

- 1.1.7 Web-UI menus in maintenance mode (Administrator)

- 1.1.8 Web-UI menus in maintenance mode (Operator)
- 1.1.9 Web-UI menus in maintenance mode (Partition Operator)
- 1.1.10 Web-UI menus in maintenance mode (User)
- 1.1.11 Web-UI menus in maintenance mode (CE)
- 1.1.12 Web-UI menus in maintenance mode (maintenance personnel)

1.1.7 Web-UI menus in maintenance mode (Administrator)

This section outlines the Web-UI menus that are available with the Administrator privileges in maintenance mode.

The maintenance mode column has the following items. For details on the maintenance mode, see 1.1.6 Web-UI menus in maintenance mode.

- Hot System: Hot System Maintenance (Target unit not included in a partition)

- Hot Partition: Hot Partition Maintenance (Target unit in a activated partition)
- Warm System: Warm System Maintenance (Target unit in a powered-off partition)
- Cold System: Cold System Maintenance (All partitions are powered off and turned on their breakers), and Cold System Maintenance (All partitions are powered off and turned off their breakers)

The meanings of abbreviations in the table are as follows:

RW: The account user can refer to and set information in the window.

RO: The account user can only refer to information in the window.

N/A: The account user cannot view the menu and submenu.

*1 The account user can operate partitions not in maintenance mode in this window.

*2 The account user can operate only partitions in maintenance mode in this window.

*3 The SB is neither a Home SB nor Reserved SB. Alternatively, the SB is the Home SB in the Power Off status in a partition in the Standby status.

*4 The partition is in the Standby status.

TABLE 1.8 Web-UI menus in maintenance mode (Administrator)

Navigation bar	1st level	2nd level	Maintenance mode	Privileges	Remarks
System					
	System Power		Hot System	RW	
	Control		Hot Partition	RO	
			Warm System	RO	
			Cold System	RO	
	MMB				
		MMB#0	Hot System	RO	
			Hot Partition	RO	
			Warm System	RO	
			Cold System	RO	
		MMB#1		Same as for MMB#0	
Partition					
	Power Control		Hot System	RW	
			Hot Partition	RW(*1)	
			Warm System	RW(*1)	
			Cold System	RO	
	Partition Configuration		Hot System	RW	[Add] is suppressed since the Free unit may be a replacement unit.
			Hot Partition	RO(*1)	
			Warm System	RW(*1)	
			Cold System	RO	
		Add SB / IOU to Partition		Same as for Partition Configuration	
		Remove SB / IOU from Partition		Same as for Partition Configuration	
		Partition Home		Same as for Partition Configuration	
	Partition#n		Hot System	RW	
	Extended		Hot Partition	RO(*1)	
	Partition		Warm System	RW(*1)	
	Configuration		Cold System	RÔ	

Navigation bar	1st level	2nd level	Maintenance mode	Privileges	Remarks
		SB		Same as for	
				Partition#n Extended Partition	
				Configuration	
		IOU#n		Same as for	
		100#11		Partition#n Extended	
				Partition	
				Configuration	
		PCI_Box#n		Same as for	
				Partition#n Extended	
				Partition	
				Configuration	
	Reserved SB		Hot System	RW	
	Configuration		Hot Partition	RO(*1)	
			Warm System	RW(*1)	
	l		Cold System	RO	
	Console		Hot System	RW	
	Redirection		Hot Partition	RW(*1)	
			Warm System	RW(*1)	
			Cold System	RO	
Network Co		<u> </u>	1		1
	Network	IPv4 Interface	Hot System	RO	
	Interface		Hot Partition	RO	
		IPv6 Interface	Warm System	RO	
Maintenand) æ		Cold System	RO	
	Firmware Update				
		Unified	Hot System	RO	
		Firmware	Hot Partition	RO	
		Update	Warm System	RO	
			Cold System	RO	
	Backup/		•		
	Restore				
	Configuration				
		Backup/		RW	[Backup
		Restore MMB			MMB] is not
		Configuration			affected by
					maintenance
					mode.
					[Restore
					MMB] can be operated only
					by maintenance
					personnel.
	Maintenance		Hot System	RO	Personnen
	Wizard		Hot Dortition	RO	
			Hot Partition		
			Warm System Cold System	RO RO	
			Colu System	L KU	L

1.1.8 Web-UI menus in maintenance mode (Operator)

This section outlines the Web-UI menus that are available with the Operator privileges in maintenance mode.

The maintenance mode column has the following items. For details on the maintenance mode, see Web-UI menus in maintenance mode.

- Hot System: Hot System Maintenance (Target unit not included in a partition)
- Hot Partition: Hot Partition Maintenance (Target unit in a activated partition)
- Warm System: Warm System Maintenance (Target unit in a powered off partition)
- Cold System: Cold System Maintenance (All partitions powered off, breaker on), and Cold System Maintenance (All partitions powered off, breaker off)

The meanings of abbreviations in the table are as follows:

RW: The account user can refer to and set information in the window.

RO: The account user can only refer to information in the window.

N/A: The account user cannot view the menu and submenu.

*1 The account user can operate partitions not in maintenance mode in this window.

*2 The account user can operate only partitions in maintenance mode in this window.

*3 The SB is neither a Home SB nor Reserved SB. Alternatively, the SB is the Home SB in the Power Off status in a partition in the Standby status.

*4 The partition is in the Standby status.

TABLE 1.9 Web-UI menus in maintenance mode (Operator)

Navigation bar	1st level	2nd level	Maintenance mode	Privileges	Remarks
System					
	System Power		Hot System	RO	
	Control		Hot Partition	RO	
			Warm System	RO	
			Cold System	RO	
	MMB				
		MMB#0	Hot System	RO	
			Hot Partition	RO	
			Warm System	RO	
			Cold System	RO	
		MMB#1		Same as for MMB#0	
Partition					
	Power Control		Hot System	RW	
			Hot Partition	RW(*1)	
			Warm System	RW(*1)	
			Cold System	RÖ	
	Partition Configuration		Hot System	RO	[Add] is suppressed since the Free unit may be a replacement unit.
			Hot Partition	RO	
			Warm System	RO	
			Cold System	RO	
		Add SB / IOU to Partition		Same as for Partition Configuration	
		Remove SB / IOU from Partition		Same as for Partition Configuration	
		Partition Home		Same as for Partition Configuration	
	Partition#n		Hot System	RO	
	Extended		Hot Partition	RO	
	Partition		Warm System	RO	
	Configuration		Cold System	RO	

Navigation bar	1st level	2nd level	Maintenance mode	Privileges	Remarks
		SB		Same as for Partition#n Extended Partition	
				Configuration	
		IOU#n		Same as for Partition#n Extended Partition	
		PCI_Box#n		Configuration Same as for Partition#n Extended Partition	
	Reserved SB			Configuration	
			Hot System Hot Partition	RO	
	Configuration			RO	
			Warm System	RO	
	Canaala		Cold System	RO	
	Console		Hot System	RW	
	Redirection		Hot Partition	RW(*1)	
			Warm System	RW(*1)	
			Cold System	RO	
Network Co	onfiguration		T		
	Network	IPv4 Interface	Hot System	RO	
	Interface		Hot Partition	RO	
		IPv6 Interface	Warm System	RO	
			Cold System	RO	
Maintenand		-	-		
	Firmware Update				
		Unified	Hot System	N/A	
		Firmware	Hot Partition	N/A	
		Update	Warm System	N/A	
			Cold System	N/A	
	Backup/ Restore Configuration				
		Backup/ Restore MMB Configuration		N/A	[Backup MMB] is not affected by maintenance mode. [Restore
					MMB] can be operated only by maintenance personnel.
	Maintenance		Hot System	ΝΙ/Λ	
	Maintenance		Hot System	N/A	
	Maintenance Wizard				
			Hot System Hot Partition Warm System	N/A N/A N/A	

1.1.9 Web-UI menus in maintenance mode (Partition Operator)

This section outlines the Web-UI menus that are available with the Partition Operator privileges in maintenance mode.

The maintenance mode column has the following items. For details on the maintenance mode, see 1.1.6 Web-UI menus in maintenance mode Hot System: Hot System Maintenance (Target unit not included in a partition)

- Hot Partition: Hot Partition Maintenance (Target unit in a activated partition)
- Warm System: Warm System Maintenance (Target unit in a powered off partition)
- Cold System: Cold System Maintenance (All partitions powered off, breaker on), and Cold System Maintenance (All partitions powered off, breaker off)

The meanings of abbreviations in the table are as follows:

RW: The account user can refer to and set information in the window.

RO: The account user can only refer to information in the window.

N/A: The account user cannot view the menu and submenu.

*1 The account user can operate partitions not in maintenance mode in this window.

*2 The account user can operate only partitions in maintenance mode in this window.

*3 The SB is neither a Home SB nor Reserved SB. Alternatively, the SB is the Home SB in the Power Off status in a partition in the Standby status.

*4 The partition is in the Standby status.

TABLE 1.10 Web-UI menus in maintenance mode (Partition Operator)

Navigation bar	1st level	2nd level	Maintenance mode	Privileges (Same partition)	Privileges (Other partition)	Remarks
System						
	System Power		Hot System	RO	RO	
	Control		Hot Partition	RO	RO	
			Warm System	RO	RO	
			Cold System	RO	RO	
	MMB					
		MMB#0	Hot System	RO	RO	
			Hot Partition	RO	RO	
			Warm System	RO	RO	
			Cold System	RO	RO	
		MMB#1		Same as for MM	B#0	
Partition						
	Power Control		Hot System	RW	RO	
			Hot Partition	RW(*1)	RO	
			Warm System	RW(*1)	RO	
			Cold System	RO	RO	
	Partition Configuration		Hot System	RO	RO	[Add] is suppressed since the Free unit may be a replacement unit.
			Hot Partition	RO	RO	
			Warm System	RO	RO	
			Cold System	RO	RO	
		Add SB / IOU to Partition		Same as for Par Configuration	tition	
		Remove SB / IOU from Partition		Same as for Par Configuration		
		Partition Home		Same as for Par Configuration	tition	
	Partition#n		Hot System	RO	RO	
	Extended		Hot Partition	RO	RO	
	Partition		Warm System	RO	RO	
	Configuration		Cold System	RO	RO	

Navigation bar	1st level	2nd level	Maintenance mode	Privileges (Same	Privileges (Other	Remarks
		0.0		partition)	partition)	
		SB		Same as for Par Extended Partiti		
				Configuration	on	
		IOU#n		Same as for Par	tition#n	
		100#11		Extended Partiti		
				Configuration	UII	
		PCI_Box#n		Same as for Par	tition#n	
				Extended Partiti		
				Configuration		
	Reserved SB		Hot System	RO	RO	
	Configuration		Hot Partition	RO	RO	
	Configuration		Warm System	RO	RO	
			Cold System	RO	RO	
	Console		Hot System	RW	N/A	
	Redirection		Hot Partition	RW(*1)	N/A	+
			Warm System	RW(*1)	N/A	
			Cold System	RO	N/A	
Network Co	nfiguration		Oold Oystern	NO	11/7	
Network OC	Network	IPv4 Interface	Hot System	RO	RO	
	Interface	II V4 IIItoridoo	Hot Partition	RO	RO	
	Interface	IPv6 Interface	Warm System	RO	RO	
		II vo internace	Cold System	RO	RO	
Maintenanc	<u>م</u>		Oold Oystern	NO	RO	
Maintenanc	Firmware					
	Update					
	opuato	Unified	Hot System	N/A	N/A	
		Firmware	Hot Partition	N/A	N/A	
		Update	Warm System	N/A	N/A	
			Cold System	N/A	N/A	
	Backup/ Restore Configuration					
	Ĭ	Backup/		N/A	N/A	[Backup
		Restore MMB				MMB] is not
		Configuration				affected by
						maintenance
						mode.
						[Restore
						MMB] can
						be operated
						only by
						maintenance
						personnel.
	Maintenance Wizard		Hot System	N/A	N/A	
			Hot Partition	N/A	N/A	
				NI/A	N/A	
			Warm System Cold System	N/A N/A	N/A N/A	

1.1.10 Web-UI menus in maintenance mode (User)

This section outlines the Web-UI menus that are available with the User privileges in maintenance mode.

The maintenance mode column has the following items. For details on the maintenance mode, see 1.1.6 Web-UI menus in maintenance mode._Web-UI_menus_in

Hot System: Hot System Maintenance (Target unit not included in a partition)

- Hot Partition: Hot Partition Maintenance (Target unit in a activated partition)
- Warm System: Warm System Maintenance (Target unit in a powered off partition)
- Cold System: Cold System Maintenance (All partitions powered off, breaker on), and Cold System Maintenance (All partitions powered off, breaker off)

The meanings of abbreviations in the table are as follows:

RW: The account user can refer to and set information in the window.

RO: The account user can only refer to information in the window.

N/A: The account user cannot view the menu and submenu.

*1 The account user can operate partitions not in maintenance mode in this window.

*2 The account user can operate only partitions in maintenance mode in this window.

*3 The SB is neither a Home SB nor Reserved SB. Alternatively, the SB is the Home SB in the Power Off status in a partition in the Standby status.

*4 The partition is in the Standby status.

TABLE 1.11 Web-UI menus in maintenance mode (User)

Navigation bar	1st level	2nd level	Maintenance mode	Privileges	Remarks
System			•		
-	System Power		Hot System	RO	
	Control		Hot Partition	RO	
			Warm System	RO	
			Cold System	RO	
	MMB				
		MMB#0	Hot System	RO	
			Hot Partition	RO	
			Warm System	RO	
			Cold System	RO	
		MMB#1		Same as for MMB#0	
Partition	•		•		•
	Power Control		Hot System	RO	
			Hot Partition	RO	
			Warm System	RO	
			Cold System	RO	
	Partition Configuration		Hot System	RO	[Add] is suppressed since the Free unit may be a replacement unit.
			Hot Partition	RO	
			Warm System	RO	
			Cold System	RO	
		Add SB / IOU to Partition		Same as for Partition Configuration	
		Remove SB / IOU from Partition		Same as for Partition Configuration	
		Partition Home		Same as for Partition Configuration	
	Partition#n		Hot System	RO	
	Extended		Hot Partition	RO	

Navigation bar	1st level	2nd level	Maintenance mode	Privileges	Remarks
	Partition		Warm System	RO	
	Configuration		Cold System	RO	
	-	SB		Same as for	
				Partition#n	
				Extended Partition	
				Configuration	
		IOU#n		Same as for	
				Partition#n	
				Extended Partition	
				Configuration	
		PCI_Box#n		Same as for	
				Partition#n	
				Extended Partition	
				Configuration	
	Reserved SB		Hot System	RO	
	Configuration		Hot Partition	RO	
			Warm System	RO	
			Cold System	RO	
	Console		Hot System	N/A	
	Redirection		Hot Partition	N/A	
			Warm System	N/A	
			Cold System	N/A	
Network Co	nfiguration				
	Network	IPv4 Interface	Hot System	RO	
	Interface		Hot Partition	RO	
		IPv6 Interface	Warm System	RO	
			Cold System	RO	
Maintenanc	e				
	Firmware				
	Update				
		Unified	Hot System	N/A	
		Firmware	Hot Partition	N/A	
		Update	Warm System	N/A	
			Cold System	N/A	
	Backup/			11// 1	
	Restore				
	Configuration				
	Conngaration	Backup/		N/A	[Backup
		Restore MMB			MMB] is not
		Configuration			affected by
		Comgaration			maintenance
					mode.
					[Restore
					MMB] can be
					operated only
		1	1		by maintenance
					personnel
	Maintenance		Hot System	N/A	personnel.
	Maintenance Wizard		Hot System	N/A	personnel.
	Maintenance Wizard				personnel.
			Hot System Hot Partition Warm System	N/A N/A N/A	personnel.

1.1.11 Web-UI menus in maintenance mode (CE)

This section outlines the Web-UI menus that are available with the CE privileges in maintenance mode.

The maintenance mode column has the following items. For details on the maintenance mode, see 1.1.6 Web-UI menus in maintenance mode.

- Hot System: Hot System Maintenance (Target unit not included in a partition)
- Hot Partition: Hot Partition Maintenance (Target unit in a activated partition)
- Warm System: Warm System Maintenance (Target unit in a powered off partition)
- Cold System: Cold System Maintenance (All partitions powered off, breaker on), and Cold System Maintenance (All partitions powered off, breaker off)

The meanings of abbreviations in the table are as follows:

RW: The account user can refer to and set information in the window.

RO: The account user can only refer to information in the window.

- N/A: The account user cannot view the menu and submenu.
- *1 The account user can operate partitions not in maintenance mode in this window.

*2 The account user can operate only partitions in maintenance mode in this window.

*3 The SB is neither a Home SB nor Reserved SB. Alternatively, the SB is the Home SB in the Power Off status in a partition in the Standby status.

*4 The partition is in the Standby status.

TABLE 1.12 Web-UI menus in maintenance mode (CE)

Navigation bar	1st level	2nd level	Maintenance mode	Privileges	Remarks
System					
	System Power		Hot System	RO	
	Control		Hot Partition	RO	
			Warm System	RO	
			Cold System	RO	
	MMB				
		MMB#0	Hot System	RO	
			Hot Partition	RO	
			Warm System	RO	
			Cold System	RO	
		MMB#1		Same as for MMB#0	
Partition			1	ł	•
	Power Control		Hot System	RO	
			Hot Partition	RO	
			Warm System	RO	
			Cold System	RO	
	Partition Configuration		Hot System	RO	[Add] is suppressed since the Free unit may be a replacement unit.
			Hot Partition	RO	
			Warm System	RO	
			Cold System	RO	
		Add SB / IOU to Partition		Same as for Partition Configuration	
		Remove SB		Same as for	
		/ IOU from		Partition	
		Partition		Configuration	
		Partition		Same as for	
		Home		Partition Configuration	
	Partition#n		Hot System	RO	
	Extended		Hot Partition	RO	

Navigation bar	1st level	2nd level	Maintenance mode	Privileges	Remarks
	Partitioning		Warm System	RO	
	Configuration		Cold System	RO	
	Ŭ	SB	Í	Same as for	
				Partition#n	
				Extended Partition	
				Configuration	
		IOU#n		Same as for	
				Partition#n	
				Extended Partition	
				Configuration	
		PCI_Box#n		Same as for	
				Partition#n	
				Extended Partition	
				Configuration	
	Reserved SB		Hot System	RO	
	Configuration		Hot Partition	RO	
	0		Warm System	RO	
			Cold System	RO	
	Console		Hot System	RO	
	Redirection		Hot Partition	RO	
	Redirection		Warm System	RO	
			Cold System	RO	
Notwork Co	nfiguration		Cold System	KU	
Network Co	Network	IPv4	List Quaters	P.O.	
	Interface		Hot System Hot Partition	RO	
	Interface	Interface		RO	
		IPv6	Warm System	RO	
		Interface	Cold System	RO	
Maintenanc		1			
	Firmware				
	Update				
		Unified	Hot System	RO	
		Firmware	Hot Partition	RO	
		Update	Warm System	RO	
			Cold System	RO	
	Backup/				
	Restore				
	Configuration				
		Backup/		RW	[Backup
		Restore			MMB] is not
		MMB			affected by
		Configuratio			maintenance
		n			mode.
					[Restore
					MMB] can be
					operated only
					by maintenance
					personnel.
	Maintenance		Hot System	RO	
	Wizard				
			Hot Partition	RO	
		1	Warm System	RO	

1.1.12 Web-UI menus in maintenance mode (maintenance personnel)

This section outlines the Web-UI menus that are available to maintenance personnel (Administrator or CE privileges) in maintenance mode.

The maintenance mode column has the following items. For details on the maintenance mode, see 1.1.6 Web-UI menus in maintenance mode.

- Hot System: Hot System Maintenance (Target unit not included in a partition)
- Hot Partition: Hot Partition Maintenance (Target unit in a activated partition)
- Warm System: Warm System Maintenance (Target unit in a powered off partition)
- Cold System: Cold System Maintenance (All partitions powered off, breaker on), and Cold System Maintenance (All partitions powered off, breaker off)

The meanings of abbreviations in the table are as follows:

RW: The account user can refer to and set information in the window.

RO: The account user can only refer to information in the window.

N/A: The account user cannot view the menu and submenu.

*1 The account user can operate partitions not in maintenance mode in this window.

*2 The account user can operate only partitions in maintenance mode in this window.

*3 The SB is neither a Home SB nor Reserved SB. Alternatively, the SB is the Home SB in the Power Off status in a

partition in the Standby status.

*4 The partition is in the Standby status.

TABLE 1.13 Web-UI menus in maintenance mode (maintenance personnel)

Navigation bar	1st level	2nd level	Maintenance mode	Privileges (Administrator)	Privileges (CE)	Remarks
System					X	
	System Power		Hot System	RW	RO	
	Control		Hot Partition	RO	RO	
			Warm System	RO	RO	
			Cold System	RW	RW	
	MMB					
		MMB#0	Hot System	RW	RW	
			Hot Partition	RO	RO	
			Warm System	RO	RO	
			Cold System	RW	RW	
		MMB#1		Same as for MMB#	0	
Partition						
	Power Control		Hot System	RW	RO	
			Hot Partition	RW(*1)	RO	
			Warm System	RW	RW(*2)	
			Cold System	RW	RW	
	Partition Configuration		Hot System	RW	RO	[Add] is suppressed since the Free unit may be a replacement unit.
			Hot Partition	RO	RO	
			Warm System	RW	RO	
			Cold System	RW	RO	
		Add SB / IOU to Partition Remove SB /		Same as for Partition Configuration Same as for Partition		
		IOU from Partition		Configuration Same as for Partition Configuration		
		Partition Home				
	Partition#n		Hot System	RW	RO	
	Extended		Hot Partition	RO	RO	
	Partition		Warm System	RW	RO	
	Configuration		Cold System	RW	RO	

Navigation	1st level	2nd level	Maintenance	Privileges	Privileges	Remarks
bar			mode	(Administrator)	(CE)	
		SB		Same as for Partition#n Extended Partition Configuration Same as for Partition#n Extended Partition Configuration		
		IOU#n				
		PCI_Box#n		Same as for Partiti	Same as for Partition#n	
				Extended Partition		
				Configuration		
	Reserved SB		Hot System	RW	RO	
	Configuration		Hot Partition	RO	RO	
	Ŭ		Warm System	RW	RO	
			Cold System	RW	RO	
	Console	1	Hot System	RW	RO	1
	Redirection		Hot Partition	RW(*1)	RO	
	Realization		Warm System	RW	RW(*2)	
				RW		+
Notwork O-	ofiguration		Cold System	r vv	RW	
Network Co				D 0	D 0	
	Network	IPv4 Interface	Hot System	RO	RO	
	Interface		Hot Partition	RO	RO	
		IPv6 Interface	Warm System	RO	RO	
NA 1 1			Cold System	RO	RO	
Maintenanc						
	Firmware Update					
		Unified	Hot System	RW	RW	
		Firmware	Hot Partition	RO	RO	
		Update	Warm System	RO	RO	
			Cold System	RW	RW	
	Backup/ Restore Configuration					
		Backup/ Restore MMB Configuration		RW	RW	[Backup MMB] is not affected by
						maintenance mode.
						[Restore MMB] can be operated only by maintenance
						personnel.
	Maintenance Wizard		Hot System	RW	RW	
		1	Hot Partition	RW	RW	T
			Warm System	RW	RW	

1.1.13 Web-UI menus (PRIMEQUEST 2800B3/2800B2/2800B model)

This section lists the Web-UI menus that are available for the PRIMEQUEST 2800B3/2800B2/2800B model.

The meanings of abbreviations in the table are as follows:

- RW: The account user can refer to and set information and control operation from the menu.
- RO: The account user can only refer to information from the menu.
- N/A: The account user cannot view the menu and submenus.

TABLE 1.14 Web-UI menus (PRIMEQUEST 2800B3/2800B2/2800B model)

Navigation	1st level	2nd level		Privileg	les		Remarks
bar			Admin	Operator	User	CE	
System							
	System Status		RO	RO	RO	RO	Displays the overall system status.
	System Event Log		RW	RO	RO	RO	Displays system event logs.
	Operation Log		RW	RO	RO	RO	Displays the operations on the Web-UI and CLI.
	System Information		RW	RO	RO	RO	Displays system information, such as the system name or product name.
	Firmware Information		RO	RO	RO	RO	Displays firmware version information.
	System Setup		RW	RO	RO	RW	Sets the system configuration.
	Power Control		RW	RW	RO	RO	Controls the power.
	Schedule	Schedule Control	RW	RW	RO	RO	Sets scheduled operations.
		Schedule	RW	RW	RO	RO	Sets the power-on/off schedule.
	Console Redirection Setup		RW	RO	RO	RO	Sets Video Redirection, Remote Storage, and Text Console Redirection.
		IPv4 Console Redirection Setup	RW	RO	RO	RO	Setting for IPv4 Console Redirection.
		IPv6 Console Redirection Setup	RW	RO	RO	RO	Setting for IPv6 Console Redirection.
	Power Management Setup		RW	RO	RO	RO	
	ASR Control		RW	RO	RO	RO	Sets the conditions for automatically restarting the partition.
	Console Redirection		RW	RW	N/A	RO	Displays the console output of the partition.
	Mode		RW	RW	RO	RO	Sets the mode for the partition.
	SSD Life Cycle Management		RO	RO	RO	RO	If as much as one PCIe SSD card is not installed, this menu is not displayed.
	LEDs		RW	RW	RW	RW	Displays the LED status.

Navigation	1st level	2nd level		Privileg	les		Remarks
	Power Supply		RW	RO	RO	RW	Displays the power supply status.
	Fans		RW	RO	RO	RW	Displays the fan status.
	Temperature		RO	RO	RO	RO	Displays the temperatures detected by the temperature sensors of the PRIMEQUEST 2000 series system.
	SB						
		SB#0	RW	RW	RO	RW	Displays the SB status.
		SB#1	RW	RW	RO	RW	The menu is not
		SB#2	RW	RW	RO	RW	displayed for an
		SB#3	RW	RW	RO	RW	unmounted SB.
	IOU						
		IOU#0	RW	RW	RO	RW	Displays the IOU
		IOU#1	RW	RW	RO	RW	status.
		IOU#2	RW	RW	RO	RW	The menu is not
		IOU#3	RW	RW	RO	RW	displayed for an unmounted IOU.
	DU						
		DU#0	RW	RW	RO	RW	Displays the DU status.
		DU#1	RW	RW	RO	RW	The menu is not displayed for an unmounted DU.
	OPL		RW	RW	RO	RW	
	MMB		RW	RW	RO	RW	
User Admin	istration						
	User List		RW	N/A	N/A	N/A	Lists, edits, and deletes registered user accounts.
	Change Password		RW	RW	RW	RW	Changes the password of the user's own account.
	Who		RO	RO	RO	RO	Displays all users who are logged in to the MMB.
Network Co	nfiguration	1			1		
	Date/Time		RW	RO	RO	RO	
	Network Interface		RW	RO	RO	RO	
		IPv4 Interface	RW	RO	RO	RO	Sets the IPv4 IP address, etc.
		IPv6 Interface	RW	RO	RO	RO	Sets the IPv6 IP address, etc.
	Management LAN Port Configuration		RW	N/A	N/A	N/A	Configures the Port LAN of the MMB HUB.
	Network Protocols		RW	RO	RO	RO	
	Refresh Rate		RW	RW	RW	RW	Sets the refresh rate of the Web-UI window.
	SNMP Configuration		RW	N/A	N/A	N/A	
		Community	RW	N/A	N/A	N/A	
		Trap	RW	N/A	N/A	N/A	
		SNMPv3 Configuratio n	RW	N/A	N/A	N/A	
	SSL	Create CSR	RW	N/A	N/A	N/A	Creates a secret key
			1700	IN/A		11/74	and CSR.

Navigation	1st level	2nd level Privileges				Remarks	
		Export Key/CSR	RW	N/A	N/A	N/A	Exports a secret key and CSR.
		Import Security Certificate	RW	N/A	N/A	N/A	Installs a certificate.
		Create Selfsigned Certificate	RW	N/A	N/A	N/A	Creates a selfsigned certificate.
	SSH						
		SSH Server Key	RW	N/A	N/A	N/A	Creates a private key for the SSH server.
	Remote Server Management		RW	N/A	N/A	N/A	
	Access Control		RW	N/A	N/A	N/A	Sets the IP filtering that permits connections.
	Alarm E-mail		RW	N/A	N/A	N/A	
Maintenance	e	•					
	Firmware Update						
		Unified Firmware Update	RW	N/A	N/A	RW	Performs a batch update.
	Backup/Restor e Configuration						Backs up and restores setting information.
		Backup/Rest ore MMB Configuratio n	RW	N/A	N/A	RW	
		Backup/Rest ore BIOS Configuratio n	RW	N/A	N/A	RW	
	Maintenance Wizard		RW	N/A	N/A	RW	Performs maintenance through a wizard.
	REMCS						
		REMCS	RW	N/A	N/A	RW	
		Detailed Setup	RW	N/A	N/A	RW	

1.2 [System] Menu for PRIMEQUEST 2400E3/2800E3/2400E2/2800E2/2400E/2800E

In [System] menu, it is possible to display and set the status of all the hardware components in the PRIMEQUEST 2400E3/2400E2/2400E and PRIMEQUEST 2800E3/2800E2/2800E system. A display and a set item of [System] menu are different in PRIMEQUEST 2800B3/2800B2/2800B. Refer to Chapter 1.7 for details.

Remarks

If "Read Error" is displayed for [Part Number] and [Serial Number] on MMB Web-UI (contents area and information area), confirm the problem by referring to "11.2 Troubleshooting" of *PRIMEQUEST 2000 Series Administration Manual* (CA92344-0537). If the error could not be resolved, contact your sales representative or repairs assistance service. Confirm the model name and serial number shown on the label affixed on the main unit and report it.

1.2.1 [System Status] window

[System Status] window shows the status of entire PRIMEQUEST 2000 series system. The contents displayed may differ depending on the configuration of the unit.

You can also display details of each unit by clicking the link displayed in the frame.

FUĴĨTSU	Model: Part Number: Serial Number: Status:	PRIMEQUEST2800E MCXXXXXXX Output	Active:MN
	ministration Network Config		L
>System >System Status			
System Status System Event Log Operation Log Partition Event Log	System Stat		Refresh
System Information	Click a link below to	view detailed information about each unit.	
Firmware Information System Setup System Power Control	Power Supply Far OK OK		
LEDs Power Supply	SB#0 SB		
Fans Temperature	OK OK	OK OK	
D SB	IOU#0 101	And a second sec	
D IOU	Not-present OK	OK Not-present	
D OPL MMB	DU#0 DU	*1	
	Not-present No	present	
	OPL OK		
	and the second sec	B#1	
		_Box#1 PCI_Box#2 PCI_Box#3 -present Not-present Not-present	
< 1000	>		

FIGURE 1.1 [System Status] window

The contents which are displayed as the status of unit are as follows.

[OK] : It is shown for the unit which operates normally without any trouble. [Not-present] : It is shown for the unit which is not mounted. It is shown in gray colored

Not-present]	: It is shov	wn for the unit which is not mounted. It is shown in gray colored background.
[Warn	ning] :	Though it is not serious, it shows the unit where a problem may occur. It is shown by $ extsf{1}$
		icon.
[Faile		: It shows the unit, where failure has occurred, and it must be disconnected. It is shown by S icon.
[Degra	aded]	: It shows that a failure has occurred in the component of a certain unit, and the unit is

operated without disconnecting the failed component. It is shown by 4 icon.

Status	Display Color	Icon
Normal (Normal state)	Green	None
Warning, Degraded	Yellow	Black '!' mark in yellow triangle.
Failed	Red	White 'X' in red circle.

Each unit is linked with the window showing the detailed status. However, for units which are not mounted, there is no window showing the details. Therefore, these units are not linked.

The state of SB#0 – SB#3 is displayed for PRIMEQUEST 2400E3/2400E2 Model in the case that Memory Scale-up Board is used.

Items	Description
Power Supply	Shows the status of PSU
Fans	Shows the status of FAN
Temperature	Shows the status of temperature sensor
SB#0 ~ SB#3	Shows the status of system board In case of PRIMEQUEST 2400E3/2400E2/2400E model, it is SB#0 ~ SB#1 *1
IOU#0 ~ IOU#3	Shows the status of IOU
DU#0 ~ DU#1	Shows the status of DU
OPL	Shows the status of OPL
MMB#0 ~ MMB#1	Shows the status of MMB
PCL Boy#0 ~ PCL Boy#3	Shows the status of PCL Box which are connected

TABLE 1.16 Items displayed in [System Status] Window

PCI_Box#0 ~ PCI_Box#3 Shows the status of PCI_Box which are connected *1 : The state of SB#0 – SB#3 is displayed for PRIMEQUEST 2400E3/2400E2 Model in the case that Memory Scale-up Board is used.

(1) Menu Operation

[System] – [System Status]

- (2) Window Operations
 - 1. Click the link corresponding to each unit when the detailed status of unit is to be confirmed. The window showing detailed status of each unit appears.

Remarks

The detailed status can also be displayed by selecting the menu of target unit from [System] sub menu directly. For details on the operations, see "1.2.9 [LEDs] window" ~ "1.2.16 [PCI_Box] Menu".

1.2.2 [System Event Log] Window

Among the events generated in the PRIMEQUEST 2000 series system, events of MMB and BMC stored in the current MMB system event log are displayed on the [System Event Log] window in chronological order.

Maximum 32000 events can be stored in system event log. When the entries in the system event log are full, oldest event log is deleted, and latest event log is stored in system event log.

Status:		Normal	Active:MMB			
						Log
Severity	Date Time	Unit Part Number	Source	Event ID	Description	Detail
Dinfo	2013-04-12 14:50:31	Partition#2	P#2 Svs Status	C06F00FF	Power Off	Detail
Dinfo .	2013-04-12 14:49:48	Partition#2	P#2 Sys Status	C06F08FF	Power Off In Progress	Detail
ØInfo	2013-04-12 14:47:07	Partition#2	P#2 Sys Status	C06F03FF	POST	Detail
Info	2013-04-12 14:47:05	Partition#2	P#2 Svs Status	C06F03FF	POST	Detail
Dinfo.	2013-04-12 14:47:03	Partition#2	P#2 Sys Status	C06F02FF	Reset	Detail
Dinfo	2013-04-12 14:46:42	Partition#2	P#2 Sys Status	C06F01FF	Power On In Progress	Detail
Info	2013-04-12 14:28:00	Partition#2	P#2 Sys Status	C06F00FF	Power Off	Detail
Dinfo	2013-04-12 14:27:17	Partition#2	P#2 Sys Status	C06F08FF	Power Off In Progress	Detail
Dinfo	2013-04-12 14:26:38	Partition#2	P#2 Sys Status	C06F03FF	POST	Detail
Dinfo	2013-04-12 14:26:36	Partition#2	P#2 Svs Status	C06F03FF	POST	Detail
	Part Number: Serial Number: Status: initiatesion Network Superity Dinfo Dinfo Dinfo Dinfo Dinfo Dinfo Dinfo Dinfo Dinfo	Part Number: Serial Number: Status: individual of the series of the s	Part Number: MCXXXXXX Serial Number: Severity Status: Normal undertrained Network Configuration Maintenance System Event Log Maintenance Severity Date Time Unit Ølind: 2013-04-12 Partition#2 Ølind: 2013-04-12 Partition#2 Ølinfo 14:47:03 - Ølinfo 2013-04-12 Partition#2 Ølinfo 14:42:017 - Ølinfo 2013-04-12 Partition#2 Ølinfo 2013-04-12 Partition#2 Ølinfo 2013-04-1	Part Number: MCXXXXXX Serial Number: Vormal Status: Vormal uinstation Network Configuration Maintenance System Event Log Maintenance Severity Date Time Part Number Ølinfo 2013-04-12 Partition#2 P#2 Svs Status Ølinfo 2013-04-12 Partition#2 P#2 Svs Status Ølinfo 2013-04-12 Partition#2 P#2 Svs Status Ølinfo 14:49:48 - - Ølinfo 14:47:07 - - Ølinfo 14:47:07 - - Ølinfo 14:47:03 - - Ølinfo 14:47:03	Part Number: MCXXXXXX Serial Number: Vourneette Status: Notical uinstration Network Configuration System Event Log Severity Date Time Unit Source Ølineto 2013-04-12 Partition#2 P#2 Svs Status C06F00FF Ølinfo 2013-04-12 Partition#2 P#2 Svs Status C06F00FF Ølinfo 2013-04-12 Partition#2 P#2 Svs Status C06F03FF Ølinfo 2013-04-12 Partition#2 P#2 Svs Status C06F01FF Ølinfo 14:47:03 - C06F01FF C06F01FF Ølinfo 14:46:42 - C06F03FF C06F01FF Ølinfo 2013-04-12 Partition#2 P#2 Svs Status C06F03FF <	Part Number: MCXXXXXX Serial Number: Wormal Status: Normal Onderstation Network Configuration Maintenance System Event Log Severity Date Time Unit Source Event ID Description Ølidetation 2013-04-12 Partibion#2 P#2 Svs Status C06F00FF Power Off Ølinfo 2013-04-12 Partibion#2 P#2 Svs Status C06F03FF Power Off In Progress Ølinfo 2013-04-12 Partibion#2 P#2 Svs Status C06F03FF POST Ølinfo 2013-04-12 Partibion#2 P#2 Svs Status C06F03FF POST Ølinfo 2013-04-12 Partibion#2 P#2 Svs Status C06F03FF POST Ølinfo 2013-04-12 Partibion#2 P#2 Svs Status C06F01FF Power On In Progress Ølinfo 2013-04-12 Partibion#2 P#2 Svs Status C06F00FF Power Off Ølinfo 2013-04-12 Partibion#2 P#2 Svs Status C06F00FF Pow

FIGURE 1.2 [System Event Log] window

In the [System Event Log] Window, only the contents and not the title in the table can be scrolled. When there are no events to be displayed, a message showing "There is no Event Logs." is displayed instead of the table.

Items	Description
Severity	Displays the severity of the event and error
	Error : Severe errors like hardware error
	• Warning : Not a severe error, but an error is likely in future
	Info : Shows the information like 'Partition power ON'
Date/Time	Displays the local time when an event or error occurred. Format: YYYY-MM-DD HH:MM:SS
Unit	Displays the unit with the sensor where an event or error occurred. For example, displays [SB#0] if an error occurs in CPU#0 of SB#0. This unit retrieves FRU with this sensor from Entity ID of the sensor, and also retrieves Parent Entity from Entity Association Record. It displays Board/Unit name described in FRU Record of parent entry. It is linked to the window (Window on which part number and serial number of each unit can be referenced) showing detailed status of each unit.
Source	Displays the name of the sensor where an event or error occurred.
Part Number	Displays the part number stored in system event log. If part number is not stored, " " " is displayed.
Event ID	Displays the ID (8 digits in hexadecimal system) for identifying contents of Event. For details on the allocation of the Event ID, see "Chapter 2 MMB Message" of <i>PRIMEQUEST 2000 Series Message Reference</i> (CA92344-0540).
Description	Displays the contents of Events and Errors. Remarks For the event of insertion/removal of the board, part number and serial number of board are displayed.

TABLE 1 17 Items	displayed in	ISvstem	Event Log] Window
	alopiayoa in	[0,0:011]	

TABLE 1.18 Buttons on [System Event Log] Window

Buttons	Description
Clear All Events	When you click [Clear All Events] button, all the events saved in system event log, are
	cleared. This is used only if Field engineer instructs to do so.
Download	After the confirmation message is displayed, [System Event Log (Collect)] window
	appears.
Filter	When you click [Filter] button, [System Event Log Filtering Condition] window for
	entering filter conditions appears.
Detail	When you click [Detail] button, the details of corresponding event are displayed on
	[System Event Log (Detail)] window.

(1) Menu Operation

[System] – [System Event Log]

(2) Window Operations

When the event data saved in system event log is downloaded (if the system event log collected in advance does not exist)

- 1. When you click [Download] button, a message showing [I_00417 Are you sure?] is displayed. Click [OK] button.
- 2. The collection of system event log information is starts automatically; [Progress] window appears.
- 3. [System Event Log (Collect)] window appears, and the link to event data which is collected, is displayed with date information. When you click the link, dialog box appears. By specifying the file name and path name, event data can be downloaded to the PC which displays Web-UI.

- When the event data saved in system event log is downloaded (if the system event log which is collected in advance, exists)
 - 1. When you click [Download] button, a message showing [I_00417 Are you sure?] is displayed. Click [OK] button.
 - 2. [System Event Log (Collect)] window appears, and the link to system event log information collected in advance, is displayed.
 - 3. Click [Collect] button to collect the latest system event log. A message showing [I_00417 Are you sure?] is displayed. Click [OK] button. [Progress] window appears while the system event log information is collected.
 - 4. [System Event Log (Collect)] window appears, and the link to event data which is collected, is displayed with date information. When you click the link, a dialog box appears. By specifying the file name and path name, event data can be downloaded to the PC which displays Web-UI.

FUĴÎTSU	Model: Part Number: Serial Number:	PRIMEQUEST2800E MCXXXXXXX JC02450002-	Active:MMB#0
Surray Datition How Ad	Status: ministration Network Confi	Normal mention Maintennes	Logout
>System >System Event Lo	R	Surger Alametering	Logona
System Status System Event Log Operation Log Partition Event Log System Information Finaware Information System Setup System Power Control	System Eve	nt Log (Collect) e data collected clicking the following. # 15:00:19	[Неф]
LEDs LEDs Power Supply Fans Temperature SB IOU OPL MMB	If you want to updat	e the System Event Log, please click on the Collect button.	
C	2	Collect Cancel	

FIGURE 1.3 [System Event Log (Collect)] Window

- Narrowing down the events displayed in the window
 - 1. Click the [Filter] button.
 - The [System Event Log Filtering Condition] window for entering filtering conditions appears.
 - Enter the conditions in the [System Event Log Filtering Condition] window. Then, click the [Apply] button. The browser returns to the [System Event Log] window. The window displays the events that satisfy the specified conditions.

□ [System Event Log Filtering Condition] Window

Click [Filter] button on the [System Event Log] window. The [System Event Log Filtering Condition] window for entering filtering conditions appears.

The filtering conditions of events which are displayed in [System Event Log] window can be set in the [System Event Log Filtering Condition] window.

FUĴÎTSU	Model: Part Number: Serial Number: Status:		PRIMEQUES MCXXXXXX Normal			·	Activ	e:MMB#0
System Partition User Ad >System >System Event Log	ministration Network	Configuration	Maintenance					Logout
 >System >System >System Vert Log System Nevent Log Operation Log Partition Event Log System Information Firmware Information System New er Control System Power Control LEDS Power Supply Fans Temperature SB IOU OPL MMB 	System Select the filte Note : The fol	ring condition: lowings are A ⊌Error ⊮ ⊛ All	s and click the A ND conditions. Warning 🖉 Info 0 1 2 PSUs SB#0 IOU#0 DU#0 OPL	3 Fans SB#1 IOU#1 DU#1		□ \$B#3 □ IOU#3		Help
	6)Start Date 7)End Date	o/Time: @ Time: @	Voltage	DIMM Temperature Old event firs Specified Tim Specified Tim	Chipset Other st ne 2013 -	PCI_Box#3	0 0 0 0 0 0	(e)
<	3			Apply Ca	ncel Default	Setting		

FIGURE 1.4 [System Event Log Filtering Condition] Window

Items	Description
Severity	Check the Severity check box. Multiple selections are possible.
	• Error
	Warning
	• Info
	Monitor
	All are ON by default.
	Note [Monitor] check box is displayed only when login is done with CE privilege.
Partition	Selects the partition to be displayed. Select [All] or [Specified] by radio button.
	All: Filtering is not done by the Partition
	• Specified: Filtering of partition unit can be set. Select the partition to be displayed.
	In case of Partition Operator, [All] is grayed out and selection is not possible. Further, for filtering of partition; only the partition to be managed can be selected.
	Default
	• Partition Operator privilege : [Specified] and Partition to be managed is turned on.
	Other than the above : [All] Remarks
	Specify both CPU and Chipset when filtering as Source with the unit of CPU.
Unit	Select the target unit to be displayed. Select [All] or [Specified] by Radio button.
	• All: Filtering is not done by Unit.
	• Specified: Filtering of Unit can be set. Select the Source to be displayed.
Source	Default setting is All. Select target source to be displayed.
Source	Select [All] or [Specified] by Radio button.
	All: Filtering is not done by Source.
	• Specified: Filtering of Source unit can be set. Select the Source to be
	displayed. Default setting is All.
Sort by Date/ Time	Specifies either display by new order or display by old order by using the radio button.
	New event first
	Old event first
	The default setting is New event first.
Start Date/ Time	Specifies either display from recent event or specify the time, by using the radio button.
	First event: Display by recent event
	 Specified Time: Specify the time. In case of Specified Time, enter the Start Date and Time. The default setting is First event.

TABLE 1.19 Display and Setting Items on [System Event Log Filtering Condition] Window

Items	Description
End Date/ Time	Specifies either display till last event or specify the time, by using the radio button.
	Last event: Display till Last event
	• Specified Time: Specify the time. In case of Specified Time, enter the End Date and Time.
	The default setting is Last event.
Number of events to display	Specifies the number of log to be displayed. As for the denominator, display
	the total number of events that are logged.
	A maximum of 3000 events can be specified.
	The default setting is 100 events.

TABLE 1.20 [System Events Log Filtering Condition] Window Buttons

Buttons	Description
Apply	Log which matches with the specified conditions will be listed on [System Event Log]
	window by clicking the [Apply] button.
Cancel	Returns to [System Event Log] window by clicking the [Cancel] button.
Default Setting	Selected value returns to the default value.

[Message]

This section describes the messages to be displayed on this window.

Message Number	Message
W_00413	Nothing is selected.
W_00414	Invalid Date Format.
W_00426	Invalid Values Specified.
W_00434	Invalid Time Format.
W_00441	Range over error.
I_00417	Are you sure?
I_00468	Are you sure you want to clear the SEL?

For details on the messages displayed on the window, see *PRIMEQUEST 2000 Series Message Reference* (CA92344-0540).

1.2.3 [Operation Log] Window

[Operation Log] Window displays the log related to the settings or the operations of Web-UI and CLI. Each Operation Log consists of the login information (Web-UI/CLI/RMCP, IP address, Account) of operating source.

FUĴÎTSU	Model: Part Number: Sorial Number: Status:		PRIMEQUEST2800E MCXXXXXXX United States Stat	,	Active:MMB#0	
System Partition User Ad	ministration Network	Configuration				Logou
System >Operation Log						
System Status System Event Log	Operatio	on Log				н
Operation Log	Date/Time	Operation		IP Address	User Name(SessionID)	
Partition Event Log System Information Firmware Information	2013-04-12 14:49:34	Web-UI	I_10110 Partition#2 : Force Power Off.	10.18.107.164	Administrator(95)]
System Setup System Power Control	2013-04-12 14:47:59	Web-UI	I_10101 GUI Login.	10.18.107.71	Administrator(11)]
LEDs Power Supply	2013-04-12 14:46:40	Web-UI	I_10110 Partition#2 : Power On.	10.18.107.164	Administrator(95)	
Fans Temperature	2013-04-12 14:27:05	Web-UI	I_10110 Partition#2 : Force Power Off.	10.18.107.164	Administrator(95)	
■ SB ■ IOU	2013-04-12 14:26:11	Web-UI	I_10110 Partition#2 : Power On.	10.18.107.164	Administrator(95)	
OPL MMB	2013-04-12 14:22:32	Web-UI	I_10110 Partition#0 : Force Power Off.	10.18.107.90	Administrator(83)	
	2013-04-12 14:10:35	Web-UI	I_10101 GUI Login.	10.18.107.164	Administrator(95)	
	2013-04-12 13:58:15	Web-UI	I_10107 GUI Session Timeout.	10.18.107.164	Administrator(52)]
	2013-04-12 13:52:08	Web-UI	I_10101 GUI Login.	10.18.107.184	Administrator(71)	
	2013-04-12 13:51:22	CLI	I_10138 CLI Logout.	10.18.107.164	Administrator(-)	
	2013-04-12 13:51:15	CLI	I_10137 CLI Login.	10.18.107.164	Administrator(-)	
	2013-04-12	I	Fiter (Clear		1
¢	3					

FIGURE 1.5 [Operation Log] Window

In the [Operation Log] window, only the table contents can be scrolled without scrolling the title of the table. When there is no event to be displayed, a message "There is no Event Logs"; would be displayed instead of table.

Items	Description
Date/ Time	Displays the local time of occurrence of the event or error.
	Format: YYYY-MM-DD HH:MM:SS
Operation	Displays the source (Web-UI, CLI or RMCP) and contents of the operation.
IP Address	Displays the source IP address (IPv4 or IPv6 address) of the operation.
	This column displays [Console] for a CLI operation performed on a console with serial connection.
	If the host name can be identified from the DNS set on the MMB at the login time, this field displays the host name. Otherwise, it displays the IP address.
	If the user is logged in from the Web-UI, the field displays only the IP address using the DNS.
	If the logged-in user is using the IPv6 address connection, the field displays only the IP address using the DNS.
User Name	Displays the operator's name and session ID for Web-UI operations.
(Session ID)	The session ID for CLI operations is displayed as [-].

TABLE 1.21 Display items of [Operation Log] window

Buttons	Description
Filter	When [Filter] button is clicked, [Operation Log Filtering Condition] window for entering the
	filtering conditions appears.
Clear	When [Click] button is clicked, all the operating logs are cleared.

(1) Menu Operation

[System] – [Operation Log]

- (2) Window Operations
 - When the entire operation log is to be cleared
 - 1. Click [Clear] button. A dialog box is displayed for confirmation.
 - 2. Click [OK] button, to clear operation log. Click [Cancel] button, when you do not want to clear operation log.
- Narrowing down the operation log displayed in the window
 - 1. Click the [Filter] button.
 - The [Operation Log Filtering Condition] window for entering filtering conditions appears.
 - 2. Enter the conditions in the [Operation Log Filtering Condition] window. Then, click the [Apply] button.

The browser returns to the [Operation Log] window. The window displays the log that satisfies the specified conditions.

[Operation Log Filtering Condition] Window

When [Filter] button on the [Operation Log] window is clicked, the [Operation Log Filtering Condition] window for entering filtering conditions appeared.

Filtering conditions of event which appears on [Operation Log] window can be set on [Operating Log Filtering Condition] Window.

FIGURE 1.6 [Operating Log Filtering Condition] Window

1000	Model:	PRIMEQUE					Active:MMB#1
ELINTCLI	Part Number:	MCF3AC11	1				
rujiisu	Serial Number: Status:						
System Partition User Adm	inistration Network Configura	Normal ation Maintenance					Logout
>System >Operation Log	ansutation receiver conligue	interiore interiore	1				Dogota
System Status							
System Event Log	Operation Lo	σ Filterinσ	Condition				Help
Operation Log	optimion 10	5 I morning	condition				
Partition Event Log							
System Information	Select the filtering condi	tions and click the	Apply button to take effect.				
Firmware Information	Note : The followings as						
System Setup	rioto : riio rono innigo di	critic conduction					
System Power Control	1)Operation: All 						
LEDs	⊖ Spe	cified Web-UI	CLI RMCP				
Power Supply Fans	2)Sort by Date/Time	: • New event fir:	st Old event first				
Temperature	3)Start Date/Time:	• First event	○ SpecifiedTime 2013	- 1 -	1 () : 0 :	0
∃ SB	4)End Date/Time:	 Last event 	○ SpecifiedTime 2013	- 1 -	1 (. 0 :	0
∃ IOU	5)Number of events	to display (Max 1	1000): 100 / 1000				
• OPL		1					
• MMB							

Apply Cancel

< >

Items	Description
Operation	Selects the operation to be displayed.
	Select [All] or [Specified] by the radio button.
	• All: Do not do filtering by Operation.
	 Specified: Filtering of Operation can be set. Select the operation to be displayed.
	The default setting is All.
Sort by Date/ Time	Specified by using radio buttons whether to display by new order or to
Soft by Date/ Time	display by old order.
	New event first
	Old event first
	The default setting is New event first.
Start Date/ Time	Specified by using radio button either display from recent event or time
	specified event.
	First event: Set to first event
	Specified Time: Set to specified time
	If Specified Time is selected, enter the date and time of start time.
	By default, it is First event.
End Date/ Time	Specified by using radio button either display from the last event or time specified event.
	Last event : Set to last event
	Specified Time : Set to specified time
	If Specified Time is selected, enter the date and time of end time.
	By default, it is Last event.
Number of events to display	Specifies the number of log to be displayed.
	For the denominator part, the total number of logged in events is displayed.
	It is specified that maximum value is 1000.
	By default, it is 100.

TABLE 1.24 Buttons on [Operation Log Filtering Condition] window

Buttons	Description
Apply	When [Apply] button is clicked, the log corresponding to the conditions specified is displayed in the list format on [Operation Log] window.
Cancel	Returns to the [Operation Log] window by clicking the [Cancel] button.

[Message]

This section describes the messages to be displayed on this window.

Message Number	Message
W_00413	Nothing is selected.
W_00414	Invalid Date Format.
W_00426	Invalid Values Specified.
W_00434	Invalid Time Format.
W_00441	Range over error.
I_00417	Are you sure?

For details on the messages displayed on the window, see *PRIMEQUEST 2000 Series Message Reference* (CA92344-0540).

1.2.4 [Partition Event Log] Window

[Partition Event Log] Window displays the hardware error information (REMCS message target message). Maximum 1000 events can be stored. When the log is full with the entries, the oldest event log is deleted and newly generated event log is stored.

FUjÎTSU	Model: Part Number: Serial Number: Status:		PRIMEQUES MCXXXXXX 0000000001 Normal			Active:M	
System Partition User A >System >Partition Event I System Status		work Configuration	on <u>Maintenance</u>				Logout
System Event Log		on Event I					Help
Operation Log	Severity	Date/Time	Partition No	Unit	Event ID	Description	
Partition Event Log System Information	Error	2013/11/15 05:57:25	Partition#0	Firmware	30500	PXM:D9 0000 0X 00000PX0, time:20131122085700.956	
Firmware Information System Setup System Power Control	Error	2013/11/15 05:56:18	Partition#0	Firmware	30500	PXM:D9 IGR TX 00000PX0, time:20131122085554.000	
LEDs Power Supply	Error	2013/11/15 05:55:39	Partition#0	Firmware	30500	PXM:D9 3333 3X 00000PX0, time:20131122085514.961	
Fans Temperature	Error	2013/11/15 05:55:15	Partition#0	Firmware	30500	PXM:00 0000 00 00000000, time:20131122085450.954	
I SB I IOU	Error	2013/11/14 17:30:53	Partition#0	Firmware	30500	PXM:D9 0000 0X 00000PX0, time:20131121203029.536	
DU PCI Box	Error	2013/11/21 18:57:56	Partition#3	Firmware	30500	PXM:10 1001 A9 007B0P00, time:20131121185755.873	
OPL MMB	Error	2013/11/21 18:16:05	Partition#2	Firmware	30500	PXM:5X NH33 01 05XX0P00, time:20131121181605.444	
	Error	2013/11/21	Partition#2	Firmware	30500	PXM:5X NH33 01 04XX0P00,	
(_ m _)	8			Filter	Clear		

FIGURE 1.7 [Partition Event Log] window

[Partition Event Log] allows scroll up/down window while keeping table titles on the top. When there is no event to be displayed, a message "There is no Event Logs"; is displayed instead of table.

TABLE 1.25 Display items of [Partition Event Log] window

Items	Description		
Severity	Displays the severity of event.		
	Error: Severe problems like hardware damage		
	• Warning: Though it is not severe, problems may occur in the future for events.		
	 Information: Event assumed as information when partition power is on. 		
Date/ Time	Displays the time when event and errors occurs.		
	Format: YYYY-MM-DD HH:MM:SS		
Partition No.	Displays the partition number.		
Unit	Displays the unit which has the event or error detected sensor.		
Event ID	Displays the ID (8 digit hexadecimal) which identifies the contents of the event. For the		
	details of allocation of Event ID, see Chapter 2 MMB Messages in PRIMEQUEST 2000		
	series Message Reference (CA92344-0540).		
Description	Displays the events or details of the error.		

TABLE 1.2	26 [Partition	Event Log]	Window Buttons
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Buttons	Description
Filter	When [Filter] button is clicked, [Partition Event Log Filtering Condition] window for entering the
	filtering conditions is appeared.
Clear	When [Clear] button is clicked, a verification message "Do you want to clear all the partition log events?" displayed.

- (1) Menu Operation
- [System] [Partition Event Log]
 - (2) Window Operations
 - When the events displayed on window repeat
 - 1. Click the [Filter] button.
 - Partition Event Log Filtering Condition] window for entering the filter conditions appears.
 - 2. Enter the conditions on [Partition Event Log Filtering Condition] window. Then, click the [Apply] button.

Return to [Partition Event Log] window. Events satisfying the specified conditions appear.

- When the partition event log is to be cleared
 - 1. Click the [Clear] button.
 - A dialog box for confirmation appears.
 - 2. Click the [OK] button if the partition log event is to be cleared. Else, click the [Cancel] button.

[Partition Event Log Filtering Condition] Window

When [Filter] button on the [Partition Event Log] is clicked, [Partition Event Log Condition] window for entering the filter condition appears.

Filtering conditions of events to be displayed on [Partition Event Log] window can be set on [Partition Event Log Filtering Condition] window.

FUĴÎTSU	Model: Part Number: Serial Number: Status:	PRIMEQUEST2800E MCXXXXXXX 0000000001 Normal	Active:MMB#0
	ministration Network Confi	guration Maintenance	Logout
>System >Partition Event Lo	og		
 System Status System Event Log Operation Log Partition Event Log System Information System Setup System Setup System Supply Fans Temperature SB IOU DU PCI_Box OPL MMB 	Select the filtering con Note : The followings 1)Partition: ③ All ○ Spe	ent Log Filtering Condition ditions and click the Apply button to take effect. are AND conditions. cified 0 1 2 3 s to display (Max 1000): 100 /1000	Help
<	5	Apply Cancel	

FIGURE 1.8 [Partition Event Log Filtering Condition] Window

Items	Description		
Partition	Selects the partition to be displayed. Select [All] or [Specified] by using radio button.		
	All: Filtering is not done for Partition		
	• Specified: Filtering of partition unit can be set. Select the partition to be displayed. In case of Partition Operator, [All] option is grayed out, selection is not possible. Further, for filtering of the partition; only the partition to be managed can be selected.		
	Default		
	• Partition Operator privilege. : [Specified] and Partition to be managed is turned on.		
	Other than the above. : [All]		
Number of events to display	Specifies the number of logs to be displayed. The denominator represents the total number of logged events. Maximum 1000 events can be displayed. The default setting is100		

TABLE 1.28 Buttons on the [Partition Event Log Filtering Condition] Window

Buttons	Description
Apply	When [Apply] button is clicked, the log corresponding to the conditions specified is displayed on
	the [Partition Event Log] screen.
Cancel	Returns to [Partition Event Log] window when [Cancel] button is clicked.

[Message]

This section describes the messages to be displayed on this window.

Message Number	Message
W_00413	Nothing is selected.
W_00414	Invalid Date Format.
W_00426	Invalid Values Specified.
W_00434	Invalid Time Format.
W_00441	Range over error.
I_00417	Are you sure?
I_00531	Are you sure you want to clear the Partition Event Log?
E_00100	Failed to set the Partition Event Log Clear

For details on the messages displayed on the window, see *PRIMEQUEST 2000 Series Message Reference* (CA92344-0540).

1.2.5 [System Information] Window

[System Information] window displays the information, such as name of the systems and name of the products etc., related to the PRIMEQUEST 2000 Series System.

Moreover, names and Asset Tag (Property management number) corresponding to the PRIMEQUEST 2000 Series System (Chassis) can be set.

FUjitsu	Model: Part Number: Serial Number: Status:	PRIMEQUEST2800E MCXXXXXXX Vernal	Active:MMB#0
	ninistration Network Configurat		Logout
>System >System Informatio	0		
System Status System Event Log Operation Log Partition Event Log System Information	System Inform Click the Apply Buttor		(Help)
System mormation	System Name	PRMEQUEST	
System Setup	Product Name	PRIMEQUEST2800E	
System Power Control	Part Number	MD0000000	
LEDs	Serial Number	000000000	
Power Supply	Asset Tag		
 Fans Temperature 			
■ SB		Apply Cancel	
∃ IOU			
OPL			
• MMB			
<	> <		>

FIGURE 1.9 [System Information] Window

Items	Description	
System Name	System name of PRIMEQUEST 2000 series is displayed. User with Administrator privilege can change system name. Maximum 64 characters can be entered. Remarks	
	 Characters which can be entered: Alphanumeric characters, half-width space. The following characters can also be entered. ! " # \$ % & ' () = - ^ ~ ¥ @ ` [] { } : ; * + ? <> . / _ However, there is a limitation. 	
	• # and half-width space cannot be used as first character.	
	• Half-width space cannot be used as last character.	
	Default is < PRIMEQUEST +Product serial number>. When [system Name] is blank, it becomes system name of default.	
Product Name	Product name of PRIMEQUEST 2000 series is displayed.	
Part Number	Model name of PRIMEQUEST 2000 series is displayed.	
Serial Number	Serial number of PRIMEQUEST 2000 series is displayed.	
Asset Tag	Property administration information (Asset Tag) is displayed.	
	User with the administrator privilege can change Asset Tag information. Maximum 32	
	characters can be entered.	
	No default value.	

TABLE 1.30 Buttons on the [System Information] Window

Buttons	Description
Apply	When the characters are entered in the [System Name] or [Asset Tag] fields and click the
	[Apply] button is clicked, the entered information is set.
Cancel	When the [Cancel] button is clicked, the system is restored to the original condition without
	setting the information entered in the [System Name] or [Asset Tag]

(1) Menu Operation

[System] – [System Information]

(2) Window Operations

 Change the items of [System Name] or [Asset Tag] and click the [Apply] button. Information in each field is set.

[Message]

This section describes the messages to be displayed on this window.

Message Number	Message
I_00013	Setting completed.
W_00431	Invalid character included.
W_00407	Input characters are too long.

For details on the messages displayed on the window, see *PRIMEQUEST 2000 Series Message Reference* (CA92344-0540).

1.2.6 [Firmware Information] Window

Latest version number of applied Firmware, information of the Firmware version which is operating inside the system and the information of the Firmware version with backup is displayed on the [Firmware Information] window.

FUĴITSU	Model: Part Number: Serial Number: Status:	MCXXXX 000000000 Normal	1		Active:MMB#0
System Partition User Ad System >Firmware Inform	dministration <u>Network Con</u> nation	figuration Maintenand	<u>ce</u>		Logout
System Status System Event Log Operation Log Partition Event Log	Firmware In	Version BA13112			Help
System Information Firmware Information	Current Firmwar	e			
System Setup System Power Control LEDs	Unit	Firmware	active bank Version(bank1)	Unified Firmware Version	
Power Supply			Version(bank2)		
Fans		Constants.	bank2		
Temperature		BMC	0.60F	BA13112	
SB	SB#0	12. 	0.60F		
IOU			bank2	-	
DU		BIOS	90.07	BA13112	
PCI_Box		- 3	1.12		
OPL MMB			bank2		
INIMI5	_	BMC	0.60F BA13112	BA13112	
	SB#1		0.60F		
	50#1		bank1		
	5	BIOS	1.12	BA13112	

FIGURE 1.10 [Firmware Information] Window

Items	Description			
Unified Firmware	Latest version number of applied Firmware.			
Version				
Current Firmware	Transformit and with Firewards diadates d			
Unit	Target unit mounted with Firmware is displayed.			
	• SB#n			
	• MMB#0			
	• MMB#1			
Firmware	Type and Current version (Active) of Firmware are displayed.			
	• BMC			
	• BIOS			
	• MMB			
	 Not-present: It shows that Unit is not mounted. Gray color background is displayed. 			
active bank	Bank (bank1 or bank2) of the memory that is operating now is displayed After start/restart of the partition, latest Firmware information is reflected in this display.			
Version (bank1)	Firmware Version of bank1 is displayed.			
	[Version display format]			
	Firmware maintains Version information in the following format.			
	 Major Version=1Byte data (Binary format) 			
	Minor Version=1Byte data (BCD format)			
	This data is displayed as follows. X.YY			
	X displays Major version in decimal (0~255)			
	Y displays Minor version as it is by double digit in BCD format (Binary coded decimal) (00~99).			
Version (bank2)	Firmware Version of bank2 is displayed. [Version display format]			
	Same as bank1			
Unified FirmwareDisplays firmware version of target unit.versionFirmware maintains version information in the following format.				
	 Model identification XX=1 byte data (01h=SA) 			
	 Last two digits of the year YY=1 byte data (BCD format) 09-99 			
	 Month MM=1 byte data (BCD format) 01-12 			
	 Serial number N=1 byte data (Binary format) 1-9 			
	This data is displayed as below.			
	XXYYMMN			
	Example: BA13012			
	In case of uncertain version number "-" is displayed.			

TABLE 1.31 Display Item of [Firmware	Information] Window
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After start/restart of the partition is executed by the system administrator or the partition administrator, the latest written Firmware is reflected.

Remarks

After executing Firmware update, it is recommended to reflect in the Firmware by prompt start/restart of the partition.

(1) Menu Operation [System] – [System Information]

(2) Window Operations None

1.2.7 [System Setup] Window

In [System Setup] window, Power supply of PRIMEQUEST 2000 system and restoration action etc. can be set.

FUjÎTSU	Model: Part Number: Serial Number: Status:	PRIMEQUEST2800E MCXXXXXXX 0000000001 Normal	Active:MMB#0
System Partition User A System >System Setup	Administration Network Config	aration Maintenance	Logout
System Status System Event Log Operation Log	System Setup		Help
Partition Event Log System Information	Click the Apply Button to	o apply all changes.	
Firmware Information	Input Voltage	100V	
System Setup	Power Feed Mode	● Single ○ Dual	
System Power Control LEDs Power Supply Fans Temperature SB	Power Restoration F	Always ON - chassis always powers up a Always OFF - chassis remains powered o Restore - power is returned to the state th removed or lost. Schedule Sync - Synchronize with the sch Restore	off after AC is restored. nat was in effect before AC was
I IOU I DU	Partition Power on I	Delay 0 sec	
PCI Box	Altitude	Altitude < 1000m	
OPL	PSU Redundant Mo	de O Redundant 💿 Non-Redundant	
MMB	Reserved SB Force Wait	Power Off 51 min	
	System Power Save	Control O Enable O Disable	
	System Power Savin	g Threshold 0 W (0W - 0W)	
	>	Apply Cancel	

FIGURE 1.11 [System Setup] Window

Items	Description	
Input Voltage	Displays input voltage.	
	• 100V	
	• 200V	
	When information cannot be acquired, it is displayed as 200V.	
Power Feed Mode	Whether power supply of PRIMEQUEST 2000 system is configured in primary	
	power feed mode or dual power feed mode is set.	
	Single: primary power feed mode	
	Dual: dual power feed mode	
	Default setting is Single.	
Power Restoration	Sets the display of the restoration action after power failure.	
Policy	 Always off: Maintains the power-off status after the power restoration. 	
	 Always on: Regardless of the condition at the time of power failure, the partition is powered on after the power restoration. 	
	Restore: Restores the status immediately before the power failure. If the	
	power was on when the power failure occurred, it restores the power-on	
	status of the partition. If the power was off, the partition power stays off.	
	• Schedule Sync: If the partition is in the operating time zone, power of partition	
	turns on automatically depending on the schedule operations at the time of restoration of power.	
	(attention)	
	The schedule set with Special is applied only on the specified day.	
Destition Deven On	Default setting is Restore.	
Partition Power On Delay	Sets the standby time utill power on of partition is specified as per the restoration power policy that is set after the AC power is On (also includes restoration power)	
Dolay	This item becomes effective at the time of the Power ON by the schedule.	
	Specifies within the range of 0~9999 seconds.	
	Default value is 0 seconds.	
	(attention)	
	Other start processing is not executed until the processing of Partition Power On	
	Delay ends. However, when Power On by the schedule driving is done for the	
	period of Power on delay by the AC power supply turning on (includes restoration power), Power On delay by the AC power supply turning on (includes restoration	
	power) is given to priority, and Power on delay by Power On by the schedule	
	driving is disregarded.	
Altitude	Sets the altitude where PRIMEQEST 2000 series system is installed or placed.	
	• Altitude < 1000 m	
	• 1000 m <= Altitude < 1500 m	
	• 1500 m <= Altitude < 2000 m	
	• 2000 m <= Altitude	
	Default value is Altitude < 1000 m.	
	Setting error of altitude condition is possible up to ±100m.	
PSU Redundant Mode	Sets whether PSU is redundantly operated.	
	Redundant	
	• Non-redundant	
	When Power Feed Mode is Single, it is by default Non-Redundant.	
	When Power Feed Mode is Dual, it is always Redundant.	

TABLE 1.32 Display Items and Setti	ng Items in [System Setup] Window
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Items	Description
Reserved SB Force	While switching to Reserved SB, sets the maximum standby time till the start of
Power Off Wait	force power off of partition which includes the concerned SB. Specifies within the
	range of 0~99 minutes.
	Default is 10 minutes.
System Power Save	Sets enable/disable for Power Saving function for entire system.
Control	
	LIADIE
	Disable
	Power Saving function supports only PSU_P 200V.
	Default is Disable.
	When the Power Saving function is used, it is necessary to set all partitions in the system from the UEFI menu as follows.
	 "Power Technology" is set to "Energy Efficient" or "Custom".
	 When "Power Technology" is set to "Custom", "Speed Step" is additionally set to "Enabled".
	 Only for PRIMEQUEST 2400E3/2800E3 "Hardware Controlled Power Management " is made "Legacy Mode ".
System Power Saving Threshold	Sets the power consumption threshold (Limit value) of entire system. Minimum value is 3200W. Maximum value is as shown below.
	When input voltage is 100V
	 PRIMEQUEST 2400E3/2400E2/2400E
	 without Memory Scale-up Board : 5440W
	 with Memory Scale-up Board : Not supported
	PRIMEQUEST 2800E3/2800E2/2800E : Not supported
	When input voltage is 200V
	 PRIMEQUEST 2400E3/2400E2/2400E without Memory Scale-up Board : 5760W with Memory Scale-up Board : 8640W
	• PRIMEQUEST 2800E3/2800E2/2800E : 8640W
	Setting is possible only when System Power Save Control is Enable, gray-out at the time of disable.
	Default value is the maximum value of each model.

TABLE 1.33 [System Setup] window button

Buttons	Description
Apply	When items such as [Power Feed Mode] and [Power Restore Policy] are specified and [Apply]
	button is clicked, the information is set.
Cancel	When [Cancel] button is clicked, returns to the original status without setting the changed or input items.

(1) Menu Operation

[System] – [System Setup]

(2) Window Operations

Specify the items such as [Power Feed Mode] and [Power Restoration Policy] and click on the [Apply] button.

Respective information is set.

[Message]

Message Number	Message
I_00013	Setting completed.
E_00100	Failed to set the System Setup
W_00426	Invalid values specified.
E_00098	Failed to get the system configuration.
W_00559	Unable to set Power Save Control because PSU type is not PSU_P.
E_00100	Failed to set the system config .

This section describes the messages to be displayed on this window.

For details on the messages displayed on the window, see *PRIMEQUEST 2000 Series Message Reference* (CA92344-0540).

1.2.8 [System Power Control] window

In [System Power Control] window, power of the entire PRIMEQUEST 2000 series system can be controlled.

Remarks

- Please shutdown the OS for the partition in which Windows is installed. In case of emergency such as, no response from the system, cut the power supply using Power Off (Force Power Off) of MMB.
- In case of following condition, confirm the contents by referring to "11.2 Troubleshooting" of *PRIMEQUEST 2000 Series Administration Manual* (CA92344-0537). If the error could not be solved, contact your sales representative or sales representative.

Confirm the model name and serial number shown on the label affixed on the main unit and report it. Moreover, do not [Reset] or [Force Power Off] the partition till the error is solved.

- When [Power off], [Reset], [Force Power Off] and shut down of partition is done by operating system, and if the state of each component on the MMB Web-UI screen is displayed in the state in which processing does not end even for a long time, Part Number and Serial Number are displayed as "Read Error".

~	Model: Part Number:	PRIMEQUEST2800E MCXXXXXX	Active:MMB#0
FUĴĨTSU	Serial Number:		
	Status:	Normal	
	dministration Network Config	guration Maintenance	Logout
>System >System Power C	Control		
System Status			_
System Event Log	System Pow	ver Control	Help
Operation Log			
Partition Event Log	Select a power contr	rol action, then click the Apply button.	
System Information			
Firmware Information	O Power On all		
System Setup		partition(s) (all partition(s) will be automatically shutdown)	
System Power Control LEDs	O Force Power	Off	
Power Supply			
Fans			
Temperature			
🗉 SB			
SB#0			
SB#1			
SB#2			
SB#3			
■ IOU			
OPL OPL			
 MMB 			
		Apply Cancel	
<	>		
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FIGURE 1.12 [System Power Control] Window

Items	Description
Power on all partition(s)	Turns on the power of all the partition(s). If the status, in which only the power of the chassis is ON, is selected, the power of all partitions is turned on.
Power off all partition(s)(all partition(s)will be automatically shutdown)	Shuts-down all the partitions and turns off the power of the chassis.
Force Power Off	Turns off the power supply without shutting down the running operating system on the partition.

TABLE 1.35 [System Power Control] Window Button

Buttons	Description
Apply	When the [Apply] button is clicked after selecting the control item by the radio button, the power supply is controlled according to the selected information.
Cancel	When the [Cancel] button is clicked, the power supply returns to the original state without being controlled.

(1) Menu Operation

[System] - [System Power Control]

- (2) Window Operations
 - 1. Select the power control item by radio button and then click the [Apply] button. Dialogue box is displayed for confirmation
 - 2. Click the [OK] button.
 - The power supply is controlled according to the selected information

[Message]

This section describes the messages to be displayed on this window.

Message Number	Message				
I_00013	Setting completed.				
E_00069	Can't control system power under maintenance. Release maintenance mode.				
E_00077	Partition#xx cannot execute Power On.				
E_00078	Partition#xx cannot execute Power Off.				
E_00100	Failed to set the System Power Control				
E_00101	Unable to power on the partition#%aa due to CPU mismatch between SBs.				
E_00107	Unable to power on the chassis.				
E_00108	Unable to power off the chassis.				
E_00109	Unable to force power off.				
I_00212	System Power Control cannot be executed because the system is under				
	maintenance.				
E_00422	Unable to power on the partition#%aa due to CPU composition abnormal.				
E_00482	Unable to power on the partition#%aa due to DIMM composition abnormal.				
E_00491	Unable to power on the partition#%aa due to DIMM does not satisfy requirements of				
	Mode.				
E_00517	Unable to power on the partition#%d due to abnormal SB composition.				
W_00587	Unable to execute Power Control because the firmware is updating.				
W_00588	Unable to execute command because the power control operating.				

For details on the messages displayed on the window, see *PRIMEQUEST 2000 Series Message Reference* (CA92344-0540).

In case of multiple errors, 'multiple errors' message appears in the warning dialogue box.

1.2.9 [LEDs] window

[LEDs] window displays the status of the LED in the system.

FUĴĨTSU	Model: Part Number: Serial Number: Status:	M	UMEQUES CXXXXXX Warning				Active:MMB#0
visitem Partition User Adm System >LEDs	anistration Network Co	afiguration M	aintenance				Logou
System Status System Event Log Operation Log	LEDs						(Refresh) He
Partition Event Log	Unit	Power LED	Alarm LED	Location	LED		
System Information Firmware Information	System(OPL)	0	•	OOn	Off		
System Setup	SB#0	0	0	OOn	Off		
System Power Control	SB#1	0	0	00	Off		
LEDs Power Supply	SB#2	0	0	00n	Off		
Fans	SB#3	0	0	00n	Off		
l'emperature	IOU#0	Not-present					
SB SB#0	IOU#1	0	0	00	Off		
SB#1	IOU#2	0	0	On	Off		
SB#2	IOU#3	Not-present	1.20				
0 SB#3 OU	MMB#0		0	<u>O</u> 01	Off		
OPL	MMB#1	Not-present					
MMB	PCI_Box=0 PCI_Box=1	Not-present Not-present		-			
	PCI Box#2	Not-present		-			
	PCI_Box#3	Not-present			1		

FIGURE 1.13 [LEDs] Window

Displays 'Not-present' for the units which are not installed, background color of those rows is displayed in gray color. Following is displayed only in case of PRIMEQUEST 2400E3/2400E2/2400E model. SB:SB#0~SB#1

Remarks

The state of SB#0 – SB#3 is displayed for PRIMEQUEST 2400E3/2400E2 Model in the case that Memory Scale-up Board is used.

Items	Description
Unit	Displays unit name.
Power LED	The power status is displayed.
Alarm LED	Displays whether the unit is normal or abnormal.
Location LED	Displays/sets the Location LED status of unit.

TABLE 1.36 Display Items and Setting Items in [LEDs] Window

TABLE 1.37 [LEDs] Window Button

Buttons	Description
On	When [On] button is clicked, Location LED is turned on.
Off	When [Off] button is clicked, Location LED is turned off
Turn off all	When [Turn off all Location LEDs] button is clicked, all [Location LED] in system are
Location LEDs	turned off.

(1) Menu Operation

[System] - [LEDs

- Window Operations
 Click the [Turn off all Location LEDs] button. All [Location LED] in system are turned off.

1.2.10 [Power Supply] window

[Power Supply] window displays the PSU status in the PRIMEQUEST 2000 series.

Once the error in the status of each PSU is detected, the abnormality status is maintained till the PSU is replaced or the abnormality status is cleared by clicking the [Status Clear] button.

FIGURE 1.14 [Power Supply] Window

FUĴÎTSU	Model: Part Number: Serial Number: Status:	MC2 0000 <u>Norr</u>		00E		Active:MMB#0
System Partition User Ada >System >Power Supply	ministration Network Co	nfiguration Mai	ntenance			Logout
 System Status System Event Log Operation Log Partition Event Log 	Power Supp Click the Status Clear		the status.			Refresh Help
 System Information Firmware Information System Setup 	System Power St Power Supply Re		On Rec	lundant		
System Power Control LEDs Power Supply	PSU		Y		ī	
E Fans	PSU/FANU Slot	() =	Power Stat		Part Number	Serial Number
Temperature	0	OK	On	PSU_S	CA07603-E402	G817L7001505F
∃ SB	1	OK	On	PSU_S	CA07603-E402	G817L7000505F
🗉 IOU	2	H		FANU	CA07603-E501	G818L6005H05F
🗉 DU	3	Not-present		-	Read Error	Read Error
PCI_Box	4	Not-present	1998 (<u>1</u> 99	10	Read Error	Read Error
OPL OPL	5	Not-present		-		
• MMB	Power Consump					
	System Power C	onsumption(W)	840)		
	<u>></u>			Status C	lear	

Items	Description
System Power Status	Displays the power supply status of PRIMEQUEST 2000 series system (chassis)
	• On
	Standby
Power Supply	Displays redundancy status of PSU/FANU.
Redundancy	 Redundant: In case of the PSU is redundant.
	 Non-redundant: Sufficient Resources: When there is a PSU which is required to operate the system even if redundancy of the PSU is lost.
	 Non-redundant: Insufficient Resources: When redundancy of the PSU is lost, and when there is no PSU which is required for operating the system.
PSU	
PSU/FANU Slot Status	Displays the slot of PSU/FANU Displays the status of PSU/FANU
Status	
	• ОК
	Not-present
	• Failed
	A/C Lost
	Configuration error
	- (When Type is FANU)
Power Status	Displays power supply ON/OFF status of PSU/FANU
	• On
	• Off
	• - (When Type is FANU)
Туре	Displays the types of PSU/FANU
	PSU_P : PSU supporting 80PLUS PLATINUM
	PSU_S : PSU supporting 80PLUS SILVER
	FANU : Module of FAN only
	• -: (For Not-present)
	Mixing of PSU_P/PSU_S in the same component is not possible.
Part Number Serial Number	Displays the part number of the PSU/FANU. Displays the serial number of the PSU/FANU
Power Consumption	Displays the senai number of the FSO/FANO
System Power	Displays the power consumption.
Consumption(W)	

TABLE 1.38 Display Item on [Power Supply] Window

TABLE 1.39 Button of [Power Supply] Window

Button	Description
Status Clear	Clears the error status of the PSU

(1) Menu Operation

[System] – [Power Supply]

- (2) Window Operations
 - 1. Click the [Status Clear] button.
 - Dialog box for confirmation appears.
 - 2. Click the [OK] button to clear the Status of the PSU and click the [Cancel] button when you do not want to clear the Status of the PSU.

[Message]

This section describes the messages to be displayed on this window.

Message Number	Message
I_00029	Status Clear completed.
E_00123	Failed to clear the status.

For details on the messages displayed on the window, see *PRIMEQUEST 2000 Series Message Reference* (CA92344-0540).

1.2.11 [Fans] window

[Fans] window displays the Fan status in PRIMEQUEST 2000 Series System and clears the Fan status setting.

FIGURE 1.15 [Fans] Window(1)

FUĴĨTSU	Model: Part Number: Serial Number: Status:	M 00	RIMEQUEST2 CXXXXXXX 00000001 ormal	800E			Active:MMB#0
System Partition User Ad	ministration <u>Networl</u>	k Configuration N	<u>laintenance</u>				Logout
 System Status System Event Log Operation Log Partition Event Log System Information Firmware Information 		Clear button to cle lancy Redundant	ar the status.				Refresh Help
 System Setup System Power Control LEDs 		J Slot FANM#	Part Number	Status	Fan speed	Threshold(rpm)	
LEDs Power Supply	FSO/FAIVE	SIGUT ALVIN	Fartivunoei		(rpm)	Warning(Low/High)	Critical(Low/High)
E Fans			M#0 CA07603- H402	OK		- / 17446	9138 / -
Temperature		FANM#0		OK		- / 14420	7344 / -
∃ SB		111111110		OK		- / 17446	9138 / -
🗉 IOU	0	2		OK		- / 14420	7344 / -
∃ DU	U			OK		- / 17446	9138 / -
PCI_Box		FANM#1	CA07603-	OK		- / 14420	7344 / -
OPL		TAN _M #1	H402	OK		- / 17446	9138 / -
🗉 MMB				OK		- / 14420	7344 / -
				OK		- / 17446	9138 / -
		EANIN(#0	FANM#0 CA07603- H402	OK		- / 14420	7344 / -
		FAINM#0		OK		- / 17446	9138 / -
	L.			OK		- / 14420	7344 / -
	>			Status	s Clear		

FIGURE 1.16 [Fans] Window(2)

ບງິ້ເກຣບ	Model: Part Number: Serial Number: Status:	M 00 No	RIMEQUEST CXXXXXXX 00000001 ormal			Active:MN	
m <u>Partition</u> User Adm em >Fans	ninistration <u>Network Co</u>	miguration N	laintenance			<u>1</u>	.ogout
tem Status tem Event Log	Fans					Refresh	Help
eration Log útion Event Log	4		_	OK	- / 14420	7344 / -	
tem Information	35 C			OK	-/17446	9138 / -	
nware Information		FANM#1	CA07603-	OK	- / 14420	7344 / -	
tem Setup		PAINWEI	H402	OK	- / 17446	9138 / -	
tem Power Control		74 p		OK	- / 14420	7344 / -	
Ds				Not-present			
ver Supply		FANM#0		Not-present			
s		TAININH+0		Not-present			
nperature	5		-	Not-present			
	2			Not-present			
1		FANM#1		Not-present			
Box		PAINW#1		Not-present			
L_BOX				Not-present			
1B							_
	Airflow Volume						
	Airflow Volume	(m3/h) 94	4				
				Status Clear			
	Arnow voume	(m3/n) 94	+	Status Clear			

Once an abnormality is detected in the Status of each fan, the abnormal status is maintained until the fan is replaced or until the abnormal status is cleared by clicking the [Status Clear] button.

Remarks

If the abnormality in rotational frequency of a fan is detected again after executing [Status Clear], then, the status changes to [Failed Status]. Accordingly, even if the status of a fan, having abnormal rotational frequency from the beginning is cleared, the status remains as [Failed].

Items	Description				
Fan Redundancy	Fan Redundancy Displays the redundancy status of fan.				
	Redundant: The Fans are Redundant				
	 Non-Redundant: Sufficient Resource: Redundancy of fan is lost, however, there are sufficient fans, to continue the operations of the system. 				
	 Non-Redundant: Insufficient Resource: The number of fans is less due to redundancy, and fans to continue operations of the system are sufficient. 				
PSU/FANU Slot	Displays the slot location	on of the PSU or FANU to which the FANM belongs.			
FANM#	Displays the FANM (FA	AN Module) installed in PSU/FANU Slot.			
Part Number	Displays the part number of the fan.				
Status	Displays the status of each fan				
	• ОК				
	Not-present				
	Warning				
	• Failed				
Fan Speed(rpm)	Displays the rotational frequency (rpm) of each fan.				
Threshold(rpm)	Warning(Low/High)	Displays the lower limit and upper limit of the warning-level			
		rotational frequency of each fan. (If the rotational frequency is			
	lower or upper than this limit, it is considered to be abnormal				
	Critical(Low/High) Displays the lower limit and upper limit of the critical-level				
	rotational frequency of each fan. (If the rotational frequency is				
Airflow Volumo	lower or upper than this limit, it is considered to be abnormal)				
Airflow Volume	Displays the airflow.				

TABLE 1.41	[Fans]	Window	Button
------------	--------	--------	--------

Button	Description
Status Clear	Clears the status of fan.

(1) Menu Operation

[System] - [Fans]

- (2) Window Operations
 - 1. Click the [Status Clear] button.
 - Dialog box for confirmation appears.
 - 2. Click the [OK] button to clear the Status of the fan and, click the [Cancel] button when you do not want to clear the fan status.

[Message]

This section describes the messages to be displayed on this window.

Message Number	Message
I_00029	Status Clear completed.
E_00123	Failed to clear the status.

For details on the messages displayed on the window, see *PRIMEQUEST 2000 Series Message Reference* (CA92344-0540).

1.2.12 [Temperature] window

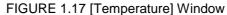
[Temperature] Window displays the temperature of the temperature sensor of PRIMEQUEST 2000 series system.

In case of PRIMEQUEST 2400E3/2400E2/2400E model, only the following items are displayed. SB: SB#0~SB#1

Remarks

The state of SB#0 – SB#3 is displayed for PRIMEQUEST 2400E3/2400E2 Model in the case that Memory Scale-up Board is used.

FUĴÎTSU	Serial Numb Status:	Part Number: MCX Serial Number: 00000 Status: Norm		θE		Active:MMB#0
System Partition User A System >Temperature	Administration Net	vork Configuration Ma	aintenance			Logout
□ System Status □ System Event Log □ Operation Log	Tempe	rature				Refresh Help
Partition Event Log					Threshold	
System Information Firmware Information	Sensor		Status	Temperature	Warning (Low/High)	Critical (Low/High)
System Setup System Power Control	Inlet Ter	np.	OK	- °C	2 / 38°C	- / -°C
LEDs Power Supply			C		Threshold	
Fans	Sensor		Status	Temperature	Warning (Low/High)	Critical (Low/High)
Temperature SB		CPU#0	OK	- °C	- / 87°C	- / 89°C
IOU		CPU#1	Not-present			
DU		DIMM#0A0 - 0A5	OK	- °C	- / 87°C	- / 90°C
PCI_Box		DIMM#0B0 - 0B5	Not-present			
OPL		DIMM#0C0 - 0C5	Not-present			
I MMB		DIMM#0D0 - 0D5	Not-present	S		
		DIMM#1A0 - 1A5	Not-present			
	SB#0	DIMM#1B0 - 1B5	Not-present			
		DIMM#1C0 - 1C5	Not-present			
		DIMM#1D0 - 1D5	Not-present			
		RAID Ctrl Temp.	-	320	(<u>1</u>)	-
:](<u></u>).	>	RAID BBU Temp.	—	(=)	-	=



	Items	Description			
Sensor		Displays the kind of each temperature sensor.			
Status		Displays the status of each temperature sensor.			
		• ок			
		Not-present			
		• Warning			
		Critical			
Temperature		Displays the temperature of each temperature sensor.			
Threshold	Warning: Low/High	Displays the lower limit and upper limit of the warning-level			
		temperature of each sensor. (If the temperature is lower or upper			
		than this limit, it is considered to be abnormal)			
Critical :Low/High		Displays the lower limit and upper limit of the critical-level			
		temperature of each sensor. (If the temperature is lower or upper			
		than this limit, it is considered to be abnormal)			

TABLE 1.42 Display Items on [Te	emperature] Window
---------------------------------	--------------------

(1) Menu Operation [System] – [Temperature]

(2) Window Operations

None

1.2.13 [SB] Menu

[SB] Menu consists of the menus in each SB unit.

The menu of uninstalled SB is not displayed.

The format of window and operating method are same for each menu, therefore only one menu is explained here. Information on Memory Scale-up Board is displayed on this screen in the case of PRIMEQUEST 2400E3/2400E2.

[SB#x] Window

[SB#x] window displays the status of SB#x board and the settings of SB#x board can be carried out.

FUĴĨTSU	Model: Part Numbe Serial Numb Status:	er:	MCXXX 0000000 Normal	001			Active:MMB#0		
System Partition User Adm >System >SB >SB#0	ninistration Net	work Configurati	ion <u>Mainten</u>	ance			Logout		
 System Status System Event Log Operation Log 	SB#0						Refresh Help		
 Partition Event Log System Information Firmware Information 		utus Clear button	to clear the	status.					
System Setup	Status		OK						
System Power Control	Power S	status	Standby						
🗆 LEDs	Home		Yes						
Power Supply	Part Nu	mber	CA07603-D003 A0						
Fans	Serial N		PP1325001						
Temperature	Location		Off On Of						
🖻 SB	Location	ILED		"					
 SB#0 SB#1 	CPUs								
□ SB#1 □ SB#2 □ SB#3	CPU#	Status	Core / Max Core	Model	Stepping	Part Number	Serial Number		
IOU DU	0	OK	15/15	Intel® Xeon® E7- 8890V2	C0	CA46100-7441	7C5B277D43A3AB00		
PCI_Box	1	Not-present							
🖸 OPL									
∃ MMB	DIMMs	E			2	~	~ ~		
	>			Status	Clear				

FIGURE 1.18 [SB#x] Window (1)

FUĴĨTSU	Model: Part Number: Serial Numbe Status:	er:	MCXX 000000 Norma	1			Active:MMB#0
System Partition User Ad >System >SB >SB#0	ministration Netwo	ork Configuration	o <u>n Mainte</u>	nance			Logout
 System Status System Event Log Operation Log 	SB#0						Refresh Help
Partition Event Log	DIMMs	11	-			9	
System Information	DIMM#	Status	Size	Rank	Data Rate	Part Number	Serial Number
 Firmware Information System Setup 	0A0	ок	8GB	1	DDR3-1600	M393B1G70BH0- YK0	85E0526E
System Power Control	0A1	Not-present					
LEDs	0A2	Not-present	(
 Power Supply Fans 	0A3	OK	8GB	1	DDR3-1600	M393B1G70BH0- YK0	85E05269
Temperature	0A4	Not-present	Î				
□ SB □ SB#0	0A5	Not-present					
□ SB#0	0B0	Not-present					
\square SB#2	0B1	Not-present					
□ SB#3	0B2	Not-present	2		4	3	
± IOU	0B3	Not-present					
∃ DU	0B4	Not-present					
PCI_Box	0B5	Not-present		- 22			
🖸 OPL	0C0	Not-present	2	8	a	3 6	
• MMB	0C1	Not-present					
	-001	a vot present			Status C	lear	
<	>						

FIGURE 1.19 [SB#x] Window (2)

FIGURE 1.20 [SB#x] Window (3)

FUĴĨTSU	Model: Part Number Serial Numb Status:	er:	M 00 <u>N</u>	CXX 000000			Ξ					Active:MMB#
System Partition User Ad System >SB >SB#0	ministration Netv	vork Configu	ration N	/lainter	lance							Logo
System Status System Event Log	SB#0											Refresh He
Operation Log Partition Event Log	Mezzani	ne										
System Information	Mezzani	ne# Status	s									
Firmware Information	0	OK										
System Setup	1	OK										
System Power Control												
LEDs	RAID S	lot					-					
Power Supply	Power S	itatus		Slot Status			Link Wie	lth		Seg/Bu:	s/Dev	
Fans	Standby			OK			Unknow	1		Unknow	vn	
Temperature SB	RAID C	and										
□ SB#0 □ SB#1	Status	BBU Status	s Vendor	r ID I	Device ID	Phys	ical Drive nt	es Logic: Count		Serial Nur	nber	Firmware Version
 SB#2 SB#3 	-	-	-	-		4		-		-		-
IOU SB#3	Physical	Drives										
DU	Slot#	Status		Vend	or		Model		Capa	city		
PCI_Box	0	-	1	-			-		-			
OPL	1	120	-	2			29 <u>1</u> 2		-			
MMB	2			4			2					
	3			-			-		-			
	>						Status C	lear				

FIGURE 1.21 [SB#x] Window (4)

FUĴĨTSU	Model: Part Number: Serial Number: Status:		MC	MEQUEST XXXXXXX 2450008 nal				Active:MMB#0
System Partition User Ad	ministration Networ	k Configu	ration Mai	ntenance				Logout
>System >SB >SB#0	_							
 System Status System Event Log Operation Log Partition Event Log 	SB#0 Logical D	rives						Refresh Help
System Information	Sensor#	Status		RAID Lev	el P	hysical Drives assignment	Missing drives Count	
Firmware Information	-	-		-	-		-	
System Setup		00						
System Power Control	RAID Ac	tion Prop	gress					
LEDs	Drive Typ	be S	lot#/Sensor	# Act	on	Progress	Estimated time remaining	(hh:mm:ss)
Power Supply	-	-		•				
E Fans	-			199			20	
Temperature	Chipsets							
E SB	Chipset		OK					
□ SB#0 □ SB#1	TPM							
SB#2	TPM		OK					
□ SB#3								
IOU IOU	BMC							
DU DU	BMC		OK					
PCI_Box OPL	1.5 Contraction of the local sector							
■ MMB	Clock							~ ~
- WEVED	Clock		OK					
						Status Clear		
<	>							

FIGURE 1.22 [SB#x] Window (5)

FUJITSU	Model: Part Number: Serial Number: Status:	PRIMEQUEST2800E MCXXXXXX 0000000001 Normal		Active:MMB#
vstem >SB >SB#0	ministration Network Configura	tion <u>Maintenance</u>		Logo
System >SB >SB#0 System Status System Event Log Operation Log Partition Event Log	SB#0 Clock			Refresh He
System Information	Clock	OK		
Firmware Information	37. 1			
System Setup	Voltage		Threshold	
System Power Control LEDs	Sensor	Voltage	Warning(Low/High)	Critical(Low/High)
.EDs Power Supply	P5VL	4.97 V	4.63/ 5.37 V	3.23/ 6.00 V
ans	P1.1VL	- V	1.02/ 1.19 V	0.71/ 1.32 V
emperature	P1.8VL	1.80 V	1.67/ 1.93 V	1.16/ 2.17 V
B	P1 5VL	1.50 V	1.39/1.61 V	0.97/1.81 V
] SB#0	P1.0VL	0.99 V	0.92/ 1.08 V	0.64/1.21 V
SB#1	P1.8V_CPU	- V	1.67/ 1.93 V	1.16/ 2.17 V
SB#2	P1.0V JC#0A	- V	0.92/ 1.08 V	0.65/ 1.21 V
l SB#3 OU	P1.5V PCH	- V	1.39/ 1.61 V	0.97/ 1.80 V
)U	P1.1V	- V	1.02/ 1.19 V	0.71/ 1.32 V
CI Box	P0.9V_PCIEX#0	- V	0.83/ 0.97 V	0.58/ 1.09 V
)PL	P1.8V_PCIEX#0	- V	1.67/ 1.93 V	1.17/ 2.17 V
1MB	P0.9V_PCIEX#1	- V	0.83/ 0.97 V	0.58/ 1.09 V
	P1.8V_PCIEX#1	- V	1.67/ 1.93 V	1.17/ 2.17 V
	P12V#0	- V	11 15/12 87 V	7 79/14 45 V

FUJITSU	Model: Part Number: Serial Number: Status:	PRIMEQUEST2800E MCXXXXXX 0000000001 Normal		Active:MMB
System Partition User Ad System >SB >SB#0	ministration <u>Network Configurat</u>	ion <u>Maintenance</u>		Log
System Status System Event Log Operation Log	SB#0			Refresh
Partition Event Log	P1.8V PCIEX#1	- V	1.67/ 1.93 V	1.17/ 2.17 V
System Information	P12V#0	- V	11.15/12.87 V	7.79/14.45 V
Firmware Information	P5V	- V	4.65/ 5.38 V	3.25/ 6.02 V
System Setup	P3.3V	- V	3.06/ 3.54 V	2.14/ 3.98 V
System Power Control	P1.35V_CPU#0	- V	1.25/ 1.45 V	0.87/ 1.63 V
LEDs	VCC_CPU#0	- V	0.55/ 1.45 V	0.38/ 1.63 V
Power Supply	VSA_CPU#0	- V	0.65/ 1.29 V	0.45/ 1.45 V
Fans	VTT_CPU#0	- V	0.92/ 1.08 V	0.64/ 1.21 V
Temperature SB	VDDQ DIMM#0A	- V	1.25/ 1.61 V	0.87/ 1.81 V
SB SB#0	VDDQ DIMM#0B	- V	1.25/ 1.61 V	0.87/ 1.81 V
SB#0	P1.0V JC#0B	- V	0.92/ 1.08 V	0.64/ 1.21 V
\square SB#2	P1.5V JC#0AB	- V	1.39/ 1.61 V	0.97/ 1.81 V
□ SB#3	P1.35V JC#0AB	- V	1.25/ 1.45 V	0.87/ 1.63 V
IOU	VDDQ_DIMM#0C	- V	1.25/ 1.61 V	0.87/ 1.81 V
DU	VDDQ DIMM#0D	- V	1.25/ 1.61 V	0.87/ 1.81 V
PCI_Box	P1.0V_JC#0C	- V	0.92/ 1.08 V	0.64/ 1.21 V
OPL	P1.0V_JC#0D	- V	0.92/ 1.08 V	0.64/ 1.21 V
MMB	P1.5V_JC#0CD	- V	1.39/ 1.61 V	0.97/ 1.81 V
	P1.35V JC#0CD	- V	1.25/ 1.45 V	0.87/ 1.63 V

The CPU and DIMM row that is not mounted is displayed in gray background.

The [Status clear] button and a message [Click the Status Clear Button to clear the status.] are not displayed for a user who does not have setting privileges.

When System Progress of the partition is EFI, Boot, and OS Running, various information on RAID Card, Physical Drives, Logical Drives, and the Action Progress table is displayed.

After System Progress is changed into the state of EFI, Boot, and OS Running until information is correctly displayed, it takes one minute or less.

Model: PRIMEQUEST 2400E2 Active:MMB#0 FUITSU Part Number: MCG2AC111 Serial Number: Status: A Network Conf Partition User >System >SB >SB#3 System Status System Status System Event Log Operation Log Partition Event Log System Information Firmware Information System Setup System Power Control LEDs Device Security **SB#3** Refresh Help Click the Status Clear button to clear the status. **Board Information** Туре Memory Scale-up Board Status Warning Power Status Standby Power Supply Fans Home No CA07777-D610 A2 Part Number Temperature PP150700KL Serial Number E SB Off On Off Location LED □ SB#0 □ SB#1 □ SB#2 DIMMs □ SB#3 Serial Number DIMM# Status Size Rank Data Rate Part Number 🗉 IOU DDR4-2133 504B8F15 OK 8GB CA46230-4010 0A0 1 **D**U Not-pr 0A1 DCI_Box OPL MMB Not-pr 504B8F60 0A3 OK 8GB DDR4-2133 CA46230-4010 1 Not-presen Not-presen 0A4 0A5 < < > Status Clear < >

FIGURE 1.24 [Memory Scale-up Board] Window (1)

FIGURE 1.25 [Memory Scale-up Board] Window (2)

FUĴĨTSU	Model: Part Number: Serial Number: Status:	PRIMEQUEST 2400E2 MCG2AC111		Active:MMB#0
System Partition User Adr >System >SB >SB#3	ninistration <u>Network Cor</u>	ntiguration Maintenance		Logout
 System Status System Event Log Operation Log Partition Event Log System Information 		-present		Refresh Help
 Firmware Information System Setup System Power Control LEDs 	Mezzanine Mezzanine# 0	Status OK		
Power Supply Fans Temperature	1 Chipsets	OK		
 SB SB#0 SB#1 SB#2 	Chipset BMC BMC	Warning		
□ SB#3 ■ IOU ■ DU ■ PCI Box	Clock	OK		
■ PCI_BOX ■ OPL ■ MMB	Voltage Sensor	Voltage	Threshold	
<	>		Warning(Low/High) Status Clear	Critical(Low/High)

FIGURE 1.26 [Memory Scale-up Board] Window (3)

FUJITSU	Model: Part Number: Serial Number: Status: ministration Network Configu	PRIMEQUEST 2400E2 MCG2AC111 <u>Awarning</u>		Active:MMB#0 Logout
>System >SB >SB#3				Dogour
System Status	SB#3			Refresh Hel
System Event Log Operation Log	~			Reliesh Hel
Partition Event Log	Voltage			
System Information	Sensor	Voltage	Threshold	
Firmware Information			Warning(Low/High)	Critical(Low/High)
System Setup	P5VL	4.94 V	4.63/ 5.37 V	3.23/ 6.00 V
System Power Control	P1.1VL	- V	1.02/ 1.19 V	0.71/ 1.32 V
LEDs	P1.8VL	1.80 V	1.67/ 1.93 V	1.16/ 2.17 V
Power Supply	P1.5VL	1.50 V	1.39/ 1.61 V	0.97/ 1.81 V
Fans	P1.0VL	0.99 V	0.92/ 1.08 V	0.64/ 1.21 V
Temperature	VDDQ_DIMM#1.	A - V	1.11/ 1.29 V	0.77/ 1.45 V
SB	P1.05V_JC#0AB	- V	0.96/ 1.14 V	0.68/ 1.26 V
SB#0	P1.5V_PCH	- V	1.39/ 1.61 V	0.97/ 1.80 V
SB#1	P1.1V	- V	1.02/ 1.19 V	0.71/ 1.32 V
■ SB#2 ■ SB#3	P0.9V_PCIEX#0	- V	0.83/ 0.97 V	0.58/ 1.09 V
IOU	P1.8V PCIEX#0	- V	1.67/ 1.93 V	1.17/ 2.17 V
DU	P0.9V PCIEX#1	- V	0.83/ 0.97 V	0.58/1.09 V
PCI Box	P1.8V PCIEX#1	- V	1.67/ 1.93 V	1.17/ 2.17 V
OPL	P12V#0	- V	11.15/12.87 V	7.79/14.45 V
MMB	P5V	- V	4.65/ 5.38 V	3.25/ 6.02 V
	P3 3V	- V	3.06/ 3.54 V	2.14/3.98 V
	D1 35V MSC#0	- V	1.25/1.45 V	0.87/1.63 V
(>		Status Clear	

FIGURE 1.27 [Memory Scale-up Board] Window (4)

FUĴĨTSU	Model: Part Number: Serial Number: Status:	PRIMEQUEST 2400E2 MCG2AC111 Warning		Activ	e:MMB#0
System Partition User Adi >System >SB >SB#3	ministration <u>Network Configurati</u>	on Maintenance			Logout
 System Status System Event Log 	SB#3			Re	fresh Help
Operation Log	P3.3V	- V	3.06/ 3.54 V	2.14/ 3.98 V	
Partition Event Log System Information	P1.35V MSC#0	- V	1.25/ 1.45 V	0.87/ 1.63 V	
System Information Firmware Information	P1.35V MSC#1	- V	1.25/ 1.45 V	0.87/ 1.63 V	
System Setup	VCC_MSC#0	- V	1.39/ 1.97 V	0.97/ 2.21 V	
System Power Control	VTT_MSC#0	- V	0.92/ 1.08 V	0.64/ 1.21 V	
LEDs	VDDQ DIMM#0A	- V	1.11/ 1.29 V	0.77/ 1.45 V	
Dower Supply	VDDO DIMM#0B	- V	1.11/ 1.29 V	0.77/ 1.45 V	
Fans	P1.5V JC#0AB	- V	1.39/ 1.61 V	0.97/ 1.81 V	
Temperature	P1.35V JC#0AB	- V	1.25/ 1.45 V	0.87/ 1.63 V	
SB	VCC MSC#1	- V	1.39/ 1.97 V	0.97/ 2.21 V	
SB#0	VTT MSC#1	- V	0.92/ 1.08 V	0.64/ 1.21 V	
□ SB#1 □ SB#2	VDDQ DIMM#1B	- V	1.11/ 1.29 V	0.77/ 1.45 V	_
□ SB#2 □ SB#3	P1.05V JC#1AB	- V	0.96/ 1.14 V	0.68/ 1.26 V	_
IOU	P1.5V JC#1AB	- V	1.39/ 1.61 V	0.97/ 1.81 V	
DU	P1.35V JC#1AB	- V	1.25/ 1.45 V	0.87/ 1.63 V	
PCI Box	VDDQ DIMM#0C	- V	1.11/ 1.29 V	0.77/ 1.45 V	
OPL	VDDQ DIMM#0D	- V	1.11/ 1.29 V	0.77/ 1.45 V	
MMB	P1.05V JC#0CD	- V	0.96/ 1.14 V	0.68/ 1.26 V	
	P1.5V JC#0CD	- V	1.39/ 1.61 V	0.97/ 1.81 V	
	DI 2517 TOHOOD	37	1 75/ 1 45 37	0 07/ 1 62 17	\neg
<	>	Ś	Status Clear		

FUjitsu	Model: Part Number: Serial Number: Status:	PRIMEQUEST 2400E2 MCG2AC111			Active:MMB#0
System Partition User Ad System >SB >SB#3	ministration Network Configuration	on Maintenance			Logout
System Status					
System Event Log	SB#3				Refresh Help
Operation Log	VDDQ DIMM#0C	I - V	1.11/ 1.29 V	0.77/ 1.45 V	
Partition Event Log	VDDQ DIMM#0D	- V	1.11/ 1.29 V	0.77/ 1.45 V	
System Information	P1.05V JC#0CD	- V	0.96/ 1.14 V	0.68/ 1.26 V	
Firmware Information	P1.5V JC#0CD	- V	1.39/ 1.61 V	0.97/ 1.81 V	
System Setup	P1.35V JC#0CD	- V	1.25/ 1.45 V	0.87/ 1.63 V	
System Power Control	VDDQ DIMM#1C	- V	1.11/ 1.29 V	0.77/ 1.45 V	
Power Supply	VDDQ DIMM#1D	- V	1.11/ 1.29 V	0.77/ 1.45 V	
Fans	P1.05V JC#1CD	- V	0.96/ 1.14 V	0.68/ 1.26 V	
Temperature	P1.5V JC#1CD	- V	1.39/ 1.61 V	0.97/ 1.81 V	
SB	P1.35V JC#1CD	- V	1.25/ 1.45 V	0.87/ 1.63 V	
□ SB#0	P2.5V DIMM#0AB	- V	2.32/ 2.68 V	1.62/ 3.00 V	
□ SB#1	P2.5V DIMM#1AB	- V	2.32/ 2.68 V	1.62/ 3.00 V	
□ SB#2	P2.5V DIMM#0CD	- V	2.32/ 2.68 V	1.62/ 3.00 V	
⊡ SB#3	P2.5V DIMM#1CD	- V	2.32/ 2.68 V	1.62/ 3.00 V	
IOU	P12V#1	- V	11.15/12.87 V	7.79/14.45 V	
DU DCL B	P12V#2	- V	11.15/12.87 V	7.79/14.45 V	
PCI_Box OPL	P12V#3	- V	11.15/12.87 V	7.79/14.45 V	
	P12V#4	- V		7.79/14.45 V	
			1/10 States / States States		
• MMB	P12V#4 P12V#0F	- V	11.15/12.86 V -/- V Status Clear	7.79/14.45 V 7.79/- V	

FIGURE 1.28 [Memory Scale-up Board] Window (5)

Items		Description
Board Information		
Туре	Displays the type of	f SB. However, only for Memory Scale-up Board.
	Memory Scale	e-up Board
Status	Displays the status	
	OK: No fault of	n the SB.
	Not-present.	The SB is not mounted.
	 Warning: War 	ning is detected by the voltage sensor on the SB.
		or has occurred in a component on the SB. However, the SB can be isconnecting the faulty components.
	 Failed: A fault SB has been of 	has occurred in the SB, and the SB must be disconnected, or the disconnected.
	Unsupported:	In case there is an SB which is not supported by the MMB.
Power Status	Displays the power	
	On: On status	
	 Standby: Stan 	udhy status
Home	Displays whether S	B is at Home status or not.
	Yes: Home sta	
Part Number	 No: Not a Hor Displays the part no 	
Serial Number	Displays the serial	
Location LED		y status of the Location LED.
	The display status	consists of the following conditions.
	On: The light i	s on
	Off: The light i	s off
	0.0%	
	[On], [Off], [Blink] b	g of the Location LED can be controlled by clicking the respective
CPUs(This item is		nory Scale-up Board)
CPU#0	Status	Displays the status of the CPU.
CPU#1		• OK
		Not-present
		Disabled
		Warning
		• Failed
		Configuration error
	Core/Max Core	Unknown Displays Normal number of cores number/ maximum number of
		cores number.
		• Indicates the degeneracy status of the core. The number of cores displays the numbers except the breakdown
		core. The number of maximum cores contains the number of cores of
		Disable.
	Model	Displays the product name of the CPU.
	Stepping Bort Number	Displays the version number of the CPU.
	Part Number Serial Number	Displays the part number of the CPU. Displays the serial number of the CPU.
DIMMs		

TABLE 1.43 Display and Setting items on [SB#x] Window

Items		Description
DIMM#0A0	Status	Displays the status of the DIMM.
~ DIMM#1D5		• ок
		Not-present
		• Warning
		Uncorrectable error
		Disabled
		Configuration error
		Degraded Configuration
		Unknown
	Size	Displays the size of the DIMM.
		• 8GB
		• 16GB
		• 32GB
		• 64GB
		 128GB (For PRIMEQUEST 2400E3/2800E3) There is no display when the DIMM status is Not-present, Not- supported, or Unknown.
	Rank	Displays number of DIMM Ranks(1 or 2 or 4). There is no display when the DIMM status is Not-present, Not- supported, or Unknown.
	Data Rate	Displays Data Rate of DIMM.
		• DDR3-1066, 1333, 1600 (For PRIMEQUEST 2400E/2800E)
		 DDR4-1333, 1600, 1866 (For PRIMEQUEST 2400E3/2800E32400E2/2800E2)
		There is no display when the DIMM status is Not-present, Not- supported, or Unknown.
	Part Number	Displays the part number of DIMM. There is no display when the DIMM status is Not-present, Not- supported, or Unknown.
	Serial Number	Displays the serial number of DIMM. There is no display when the DIMM status is Not-present, Not- supported, or Unknown.
Mezzanine	-	
Mezzanine#0 Mezzanine#1	Status	Displays the status of the Mezzanine board.
	•	• ок
		Not-present
RAID Slot/This itor	n is not displayed for	Failed Memory Scale-up Board)
Power Status		status of the RAID slot.
	• On	
	Standby	
Slot Status	Displays the status	of the RAID slot.
	• ок	
	Warning	
	Not-present	
	Failed	
	Disabled	

Items	Description								
Link Width	Displays Link Width of the RAID slot format.								
	• x1								
	• x2								
	• x4								
	• x8								
Seg/Bus/Dev	Displays Segment#, Bus#, Device# of the RAID device.								
	When RAID Slot is used in Extended Partition, information of Segment#, Bus# and Device# allocated in Extended Partition displays it by the addition in parentheses. Example of display: 0/135/0 (0/27/0)								
	m is not displayed for Memory Scale-up Board)								
BBU Status	The state of RAID BBU(Battery Backup Unit) is displayed.								
	Online								
	On Battery								
	Charging								
	Discharging								
	Battery Low								
	Relearn Required								
	• Failed								
	Not-present								
Vendor ID	Vendor ID of RAID Card is displayed.								
	Remarks:								
	ID uniquely allocated in manufacturer of card. For details of the ID, see the PRIMEQUEST 2000 Series Administration								
	Manual(CA92344-0537)								
Device ID	Device ID of RAID Card is displayed.								
	Remarks: ID uniquely allocated in device of manufacturer.								
	For details of the ID, see the PRIMEQUEST 2000 Series Administration								
	Manual(CA92344-0537)								
Physical Drives Count	The number of physical drives connected with RAID Card is displayed.								
Logical Drives	The number of logical drives composed under the control of RAID Card is displayed.								
Count Serial Number	The serial number of RAID Card is displayed.								
Firmware Version	The firmware version of RAID Card is displayed.								
	is item is not displayed for Memory Scale-up Board)								
Slot#	The slot number equipped with a physical drive is displayed.								
Status	The state of a physical drive is displayed.								
	Operational								
	Available Eoiled								
	Falleu								
	• Hot Spare								
	Rebuilding								
	• SMART err								
	• Shielded								
	Bad Block								
Vander	Not-present The vender name of a physical drive is displayed								
Vendor Model	The vendor name of a physical drive is displayed. The model name of a physical drive is displayed.								
mouol	The measurance of a physical and is displayed.								

Items	Description								
Capacity	The capacity of a physical drive is displayed.								
	s item is not displayed for Memory Scale-up Board)								
Sensor#	The sensor number of a logical drive is displayed.								
Status	The state of a logical drive is displayed.								
RAID Level	The RAID level of a logical drive is displayed.								
Physical Drives assignment	The slot number of a physical drive that composes a logical drive is displayed.								
Missing drives	The number of physical drives missed to compose a logical drive at the RAID level is								
Count	displayed.								
	ess(This item is not displayed for Memory Scale-up Board)								
Drive Type The drive type that the RAID action is executed is displayed.									
	Physical : Hardware RAID								
	Logical : Software RAID								
Slot#/Sensor#	Slot# from which the RAID action is executed is shown when Drive Type is Physical, and Sensor# from which the RAID action is executed is shown when Drive Type is Logical.								
Action	The RAID action under execution is displayed.								
	• Rebuilding : It is shown for a physical drive to execute the rebuild of the RAID drive.								
	• Copyback Running : It is shown for a physical drive to execute the copy backing.								
	 MDC Running : It is shown for a logical drive to execute MDC (Make Data Consistent). 								
Progress	The progress rate of the RAID action under execution is displayed by the percentage.								
Estimated time remaining (hh:mm:ss)	The remaining time that will be expected by the time the RAID action under execution is completed is displayed.								
Chipsets									
Chipset	• OK								
	• Warning								
	Failed								
TPM(This item is n	ot displayed for Memory Scale-up Board)								
TPM	Displays the status of the TPM.								
	• OK								
	• Warning								
	• Failed								
	Notes								
<u>BMO</u>	When the SB is 'without TPM mode', this field is not displayed.								
BMC	Displays the status of the BMC								
BMC	Displays the status of the BMC.								
	• OK								
	• Warning								
<u></u>	Failed								
Clock	Displays the status of the Overlage Cleak								
Clock	Displays the status of the System Clock.								
	• ОК								
	Failed								
Voltage									

Items	Description
Sensor	Displays the Voltage sensor type.
(For PRIMEQUEST	P5VL
2400E/2800E/2800B)	P1.1VL
	P1.8VL
	P1.5VL
	P1.0VL
	P1.8V_CPU
	VDDQ_DIMM#1A
	P1.0V_JC#0A
	P1.5V_PCH
	P1.1V
	P0.9V_PCIEX#0
	P1.8V_PCIEX#0
	P0.9V_PCIEX#1
	P1.8V_PCIEX#1
	P12V#0
	P5V
	P3.3V
	P1.35V_CPU#0
	P1.35V_CPU#1
	VCC_CPU#0
	VSA_CPU#0
	VTT_CPU#0
	VDDQ_DIMM#0A
	VDDQ_DIMM#0B
	P1.0V_JC#0B
	P1.5V_JC#0AB
	P1.35V_JC#0AB
	VCC_CPU#1
	VSA_CPU#1
	VTT_CPU#1
	VDDQ_DIMM#1B
	P1.0V_JC#1A
	P1.0V_JC#1B
	P1.5V_JC#1AB
	P1.35V_JC#1AB
	VDDQ_DIMM#0C
	VDDQ_DIMM#0D
	P1.0V_JC#0C
	P1.0V_JC#0D
	P1.5V_JC#0CD
	P1.35V_JC#0CD
	VDDQ_DIMM#1C
	VDDQ_DIMM#1D
	P1.0V_JC#1C
	P1.0V_JC#1D
	P1.5V_JC#1CD
	P1.35V_JC#1CD

Items		Description
Sensor (For PRIME	QUEST	P5VL
2400E3/2800E3/	a0201	P1.1VL
2400E2/2800E2)		P1.8VL
,		P1.5VL
		P1.0VL
		VDDQ_DIMM#1A
		P1.05V_JC#0AB
		P1.5V_PCH
		P1.1V
		P0.9V_PCIEX#0
		P1.8V_PCIEX#0
		P0.9V_PCIEX#1
		P1.8V_PCIEX#1
		P12V#0
		P5V
		P3.3V
		P1.35V_CPU#0 *1
		P1.35V_CPU#1 *1
		VCC_CPU#0 *1
		VDDQ_DIMM#0A
		VDDQ_DIMM#0B
		P1.5V_JC#0AB
		P1.35V_JC#0AB
		VCC_CPU#1 *1 VTT_CPU#1 *1
		VDDQ_DIMM#1B
		P1.05V_JC#1AB
		P1.5V_JC#1AB
		P1.35V_JC#1AB
		VDDQ_DIMM#0C
		VDDQ_DIMM#0D
		P1.05V_JC#0CD
		P1.5V_JC#0CD
		P1.35V_JC#0CD
		VDDQ_DIMM#1C
		VDDQ_DIMM#1D
		P1.05V_JC#1CD
		P1.5V_JC#1CD
		P1.35V_JC#1CD
		P2.5V_DIMM#0AB
		P2.5V_DIMM#1AB
		P2.5V_DIMM#0CD
		P2.5V_DIMM#1CD
		P12V#1
		P12V#2
		P12V#3
		P12V#4
Voltago		P12V#0F
Voltage Threshold	Warning(Low/High	Displays the current power voltage. Lower and upper limits of the warning-level voltage.
	vvannig(∟ow/⊓igfi	Lower and upper minits of the warning-level vollage.
		Displays " – ", when the threshold is not set.
		Displays the power voltage in the last two decimal places.
	Critical(Low/High)	Lower and upper limits of the critical-level voltage.
		Lower and upper minits of the ontiodinever voltage.
		Displays " – ", when the threshold is not set.
		Displays the power voltage in the last two decimal places.
L	1	= .ep

*1: The sensor type name of the voltage displays the display name for Memory Scale-up Board, "xxx_CPU" -> and " xxx_MSC".

Example. P1.35_CPU#0 \rightarrow P1.35_MSC#0

TABLE 1.44 [SB#x] Window Button

Buttons	Description
On	When the [On] button is clicked, the Location LED is ON.
Off	When the [Off] button is clicked, the Location LED is OFF.
Status Clear	Clears the status of the SB.

[Message]

This section describes the messages to be displayed on this window.

Message Number	Message
I_00029	Status Clear completed.
E_00048	The specified unit is not installed.
E 00123	Failed to clear the status.

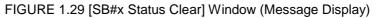
For details on the messages displayed on the window, see *PRIMEQUEST 2000 Series Message Reference* (CA92344-0540).

□ [SB#x Status Clear] Window

When the [Status Clear] button on the [SB#x] window is clicked, whether to clear the error status of the component can be specified.

The error status of the component in which an abnormality is detected on the SB is canceled, the relevant component can be specified so that it can be used again at the time of next reboot. If error is detected again at the time of re-boot, then the error status of that such component is registered again.

When the check box of "Clear Status of common parts" is checked, things except CPU/DIMM (Chipset system) are cleared.



-	Model:		PRIMEQUEST2800E	Active:MMB#0
FUITSU	Part Number: Serial Numbe		MCXXXXXXX 0000000001	
rojnoo	Status:	r:	Normal	
System Partition User Adm		ork Configuratio		Logout
>System >SB >SB#0				
System Status				
🖸 System Event Log	SB#0 St	atus Clea	r	Help
Operation Log				
Partition Event Log	Click the App	ly Button to app	bly all changes.	
System Information			,	
Firmware Information	⊙ Clear A	Il Status		
System Setup	○ Clear S	pecified Status	Select the appropriate "Status Clear" box.	
System Power Control	Clear S	tatus of commo	n parts	
LEDs	CPUs			
Power Supply	CPU#	Status	Status Clear	
Fans	0	OK		
Temperature	1	Not-present		
SB SB#0				
□ SB#1	DIMMs			
□ SB#1 □ SB#2	DIMM#	Status	Status Clear	
□ SB#3	0A0	OK		
∃ IOU	0A1	Not-present		
🗉 DU	0A2	Not-present		
PCI_Box	0A3	OK		
🖸 OPL	0A4	Not-present		
🗉 MMB	0A5	Not-present		
	0B0	Not-present		
			Apply Cancel	
	>			

(1) Menu Operation

[System] - [SB] - [SB#x] - [Status Clear] button

- (2) Window Operations
- 1. Specify as given below to clear the component.
 - Select [Clear All Status] to clear all the components.
 - Select [Clear Specified Status] to individually clear the error status of the components, and check the [Status Clear] checkbox of the status of the components to be cleared.
 - Check the [Clear Status of common parts] check box to clear the common parts.
- 2. Click the [Apply] button.

The specified components are set to clear.

Display when there is no CPU/DIMM installed

When there is no CPU or DIMM mounted, the SB is not degraded from the partition and stops the Partition start. At that time, the following messages are displayed on the table of the composition display of CPU or DIMM respectively to make CPU or any DIMM easy to recognize not installed as follows by the deficit and the boldface character.

"*It is necessary to install at least one CPU in SB#x." (In case of CPU) "*It is necessary to install at least one DIMM set per one DIMM in SB#x." (In case of DIMM)

FIGURE 1.30 [SB#x] Window (When there is no CPU/DIMM)

FUĴĨTSU	Model: Part Number: Serial Number Status:	i I	PRIMEQU MCXXXX	EST 2800E XXX			Active:MMB#0	
System Partition User Adn	ninistration Netwo	k Configuration	<u>Maintenanc</u>	<u></u>			Logout	
 >System >SB >SB#2 System Status System Event Log Operation Log Partition Event Log System Information Firmware Information 	SB#2 Click the State Board Inf	is Clear button	to clear the st	atus.			Refresh Help	
System Setup	Status	ormation	OK					
System Power Control	Power St	-						
LEDs	Home	atus	Standby Yes					
Power Supply	Part Num	h au	CA07603-D001 A8					
🖸 Fans	Serial Nu	e de	PP131302A4					
Temperature								
E SB	Location	LED	Off On Off					
 SB#0 SB#1 	CPUs *It	is necessarv t	o install at le	ast one CPU in SB#2				
□ SB#2 □ SB#3	CPU#	Status	Core / Max Core	Model	Stepping	Part Number	Serial Number	
∃ IOU	0	Not-present						
🖸 OPL	1	Not-present						
▪ MMB				a statute of a		and the states of the states		
				t least one DIMM se				
	DIMM#	Status	Size	Rank Data Rate	Part Num	her	Serial Number	
				Status (Clear			
	>							

1.2.14 [IOU] Menu

The IOU menu includes the following menus for each IOU.

• [IOU#0] ~ [IOU#3]

The menu is not displayed for the IOU which is not installed. Since the window and the operating method are same for each menu, only one menu is described here.

[IOU#x] Window

[IOU#x] window displays the status of the IOU installed in IOU#x slot. In addition, IOU can be set.

FIGURE 1.31 [IOU#x] Window (1)

FUĴĨTSU	Model: Part Num Serial Nu Status:	mber:	MCXX Norma				Active:MMB#0
System Partition User Adr >System >IOU >IOU#0	ninistration N	vetwork Configura	ition <u>Mainte</u>	enance			Logout 🗸
 System Status System Event Log Operation Log 		IOU#0					Refresh Help
 Partition Event Log System Information 		Click the Status (Clear button	to clear the status.			^
Firmware Information		Board Inform	ation				
System Setup		Туре		IOU_1GbE			
System Power Control		Status		OK			
LEDs		Power Status		On			
 Power Supply Fans 		Part Number		CA07603-D013 24			
Fans Temperature		Serial Numb		PP1324036H			
SB		Location LE)	Off On Off			
□ IOU							
IOU#0		On board LA	N				
IOU#1		LAN#	MAC Ad	ldress			
IOU#2		0	2C:D4:44	EF1:44:C0			
IOU#3		1	2C:D4:44	F1:44:C1			
□ OPL ■ MMB							
INTAR NTAR		PCI_Box con	nection		0		
		PCIC#		Status	Connected to		
		2		N7 1	PCI_Box#	Connector	
		2		Not-connected			
		3		Not-connected			
					Status C	lear	^
<	>						~

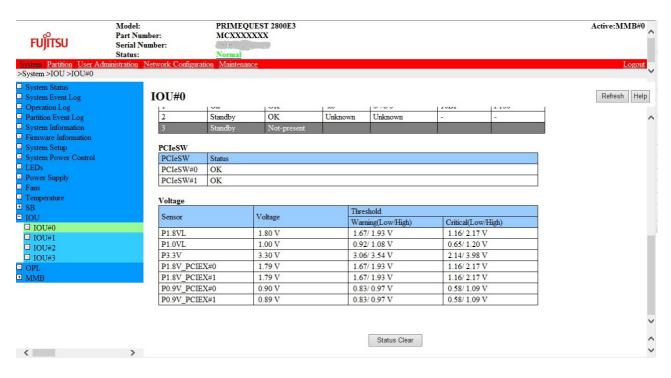
PCI_Box connection is available for PRIMEQUEST 2800E3/2800E2/2800E and 2400E3/2400E2/2400E.

FIGURE 1.32 [IOU#x] Window (2)

FUJITSU	Model: Part Number: Serial Number: Status: ministration Network Configur	PRIMEQU MCXXXXX Normal	XX					Active:MMB#0
>System Partition User Ac	Iministration INetwork Conligue	ation Maintenance						Logout 🗸
 System Status System Event Log Operation Log 	IOU#0							Refresh Help
Partition Event Log	DU connecti	ion						^
 System Information Firmware Information 	PCIC#		Status			Connector		
System Setup	0		Not-con	nected				
System Power Control	PCI-Express	Slots						
LEDs	PCIC#	Power Status	Slot Status	Link Width	Seg/Bus/Dev	Vendor ID	Device ID	
Power Supply	0	On	OK	x4	0/73/0	8086	1521	
 Fans Temperature 	1	On	OK	x8	0/76/0	10DF	F100	-
SB	2	Standby	OK	Unknown	Unknown		-	
□ IOU	3	Standby	Not-present					
IOU#0	PCIeSW							
 IOU#1 IOU#2 	PCIeSW	Status						
□ IOU#2	PCIeSW#0							
OPL	PCIeSW#1	OK						
🗄 MMB		1						_
	Voltage							
	Sensor		Voltage		shold ning(Low/High)	Critical(Lo	w/High)	
	P1.8VL		1.80 V	1.2557.110	7/ 1.93 V	1.16/ 2.17		~
	D1 017		1 00 17	0.0	1 00 17	0 65/ 1 20	τ7	
					Status Clear	r		^
<	>							~

The displays other than PCI_Box connection do not depend on the model and are the same.

FIGURE 1.33 [IOU#x] Window (3)



Items		Description							
Board Information									
Туре	Displays type	s of IOUs.							
51 *									
	• IOU_100	50E							
		100_1002							
Status	Displays status of the IOU								
	• OK								
	 Not-present Warning Degraded 								
	Failed	C							
Power Status		power status of the IOU.							
i ower olalus	• On								
	Standby								
Part Number		part number of the IOU.							
Serial Number		serial number of the IOU.							
Location LED		play status of the Location LED.							
	Following are	the display status.							
	On: Duri	-							
	Off: Duri								
	On/Off of the	Location LED can be controlled by clicking [On], [Off] button.							
On board LAN LAN#	Diaplaya tha I								
MAC Address		Displays the LAN number. Displays the MAC Address for GbE that is being installed on the IOU.							
MAC Address		Displays the MAC Address for GDE that is being installed on the IOU. Displays "Unknown" when MAC Address is not clear.							
PCI_Box connection									
PCIC#	Displays PCIC# for PCI_Box connection on the IOU.								
Status	Displays the status of connection with the PCI_Box.								
	• ОК								
	Not-conr								
		connection							
Connected to	PCI_Box#	Displays the destination PCI_Box#.							
		When not connected, background color is displayed in gray color.							
	Connector	Displays the destination Connector number of PEXU.							
Connector	Diaplaya tha a	When not connected, background color is displayed in gray. destination Connector number of the PEXU.							
Connector		nected, background color is displayed in gray.							
DU connection	When not con	inecteu, background color is displayed in gray.							
PCIC#	Displays PCI	C# for DU connection on the IOU.							
Status		status of connection with the DU.							
	• OK								
	Not-conr	nected							
	Incorrect	connection							
Connector	Displays the o	lestination Connector number of the DU.							
	When not con	nected, background color is displayed in gray.							
PCI-Express Slots									
PCIC#		number of the PCI_Express slot.							
Power Status		power status of the IOU.							
	On Standby								

TABLE 1.45 Display Items and Setting Items in [IOU#x] Window

Items	Description
Slot Status	Displays the status of the PCI_Express slot.
	• OK
	Not-present
	Failed
	Disabled
Link Width	Displays Link Width of PCI_Express slot format.
	• x1
	• x2
	• x4
	• x8
Seg/Bus/Dev	Displays Segment#, Bus#, Device# of PCI Device.
0	When PCI-Express Slots is used in Extended Partition, information of Segment#,
	Bus# and Device# allocated in Extended Partition displays it by the addition in
	parentheses.
	Example of display: 0/135/0 (0/27/0)
	When this device is PCNC which is shared with some Extended Partitions,
	Segment#, Bus#, Device# on only one Extended Partition are displayed.
Vendor ID	Displays the Vendor ID of the PCI Card.
	Remarks:
	ID uniquely allocated in manufacturer of card.
	For details of the ID, see the PRIMEQUEST 2000 Series Administration
	Manual(CA92344-0537)
Device ID	Displays the Device ID of the PCI Card.
	Remarks:
	ID uniquely allocated in device of manufacturer. For details of the ID, see the PRIMEQUEST 2000 Series Administration
	Manual(CA92344-0537)
PCIeSW	Wandai(CA32344-0337)
PCIeSW	Displays the number of PCIeSW.
Status	Displays the status of PCIeSW.
Status	OK
	Warning
	Failed
Voltage	T dired
Sensor	Displays the Voltage sensor type.
••••••	P1.8VL(*1)
	P1.0VL(*1)
	P2.5VL(*2)
	P1.2VL(*2)
	P0.8VL(*2)
	P0.67VL(*2)
	P3.3V(*3)
	P1.8V_PCIEX#0(*1)
	P1.8V_PCIEX#1(*1)
	P1.8V(*2)
	P0.9V_PCIEX#0(*3)
	P0.9V_PCIEX#1(*3)
	*1: IOU_1GbE,*2: IOUF,*3: IOU_1GbE/IOUF commonness
Voltage	
Threshold	Displays the current power voltage. Warning Lower and upper limits of the warning-level voltage.
	i i i i i i i i i i i i i i i i i i i
	(Low/High) Displays " – ", when the threshold is not set.
	Displays the power voltage in the last two decimal places.

Items		Description
	Critical	Lower and upper limits of the critical-level voltage.
	(Low/High)	Displays " – ", when the threshold is not set. Displays the power voltage in the last two decimal places.

TABLE 1.46 Button of [IOU#x] Screen

Buttons	Description
On	Turns on the Location LED by clicking [On] button.
Off	Turns off the Location LED by clicking [Off] button
Status Clear	Clears the error status of IOU#x

When you click [Status Clear], the error message of the IOU gets cleared and it is possible to specify the IOU at the time of next reboot. If error is detected again at the time of reboot, the error status of the IOU gets registered once again.

(1) Menu Operation [System] – [IOU] – [IOU#x]

- (2) Window Operations
- Click the [Status Clear] button. 1.
 - Confirmation dialogue box is displayed.
- Click the [Apply] button. Click the [OK] button to clear the error status and click the [Cancel] when you do not want to clear the error status of the IOU. 2.

[Message]

This section describes the messages to be displayed on this window.

Message Number	Message
I_00029	Status Clear completed.
E_00123	Failed to clear the status.

For details on the messages displayed on the window, see PRIMEQUEST 2000 Series Message Reference (CA92344-0540).

1.2.15 [DU] Menu

In [DU#x] Window, the status of disk unit #x mounted in PRIMEQUEST 2000 series can be displayed and status of board can be controlled.

Model: Part Number		PD						
Serial Number Status:		MO	IMEQUEST F3AC111 mal	2800E				Active:MMB#0
stration Netw	ork Co	nfiguration M	antenance.					Logou
DU#0								Refresh Help
Click the St	atus Cl	ear button to cl	ear the status					
Board I	nform:	tion						
Status		OK						
Power	Status	On						
Part No	mber	CA	07683-1012	ý,				
Serial 7	lumber	SQ	1210MK000	05				
DAIDA								
		Donver Status		Slot Status		Link-W	144	Sea Bus Dev
	30.00			States and a second states				0.67.0
1								037/0
-								
RAID	ard							
Slot#	Statu	s BBU Sta	tus Vendor I	D Device ID	Physical Drives Count	Logical Drives Count	Serial Number	Firmware Version
0	OK	Not pres	ent 1000	0056	2	1	00000000412329	10 23.9.0-0022
1	OK.			005b	2	1	00000000412328	85 23.9.0-0022
	Status: Status: Status Network DU#0 Click the St Board I Sentus Power Part Ni Sental P RAID S 0 1 RAID C Slot#	Status: Status: Status: DU#0 Click the Status Cl Board Information Sentus Power Status Power Status Part Number Sental Number RAID Slot RAID Slot RAID Card Slot# Status 0 OK	Status: Network Configuration Methods	Status: Nermal Status: Nermal Maintenance DU#0 Click the Status Clear button to clear the status Board Information Status OK Power Status On Part Number CA07683-1012 Senial Number SQ1210MK000 RAID Slot RAID Slot RAID Slot RAID Card Slot# Status BBU Status Vendor I 0 OK Not present 1000	Status: Network Configuration Maintenance DU#0 Click the Status Clear button to clear the status Board Information Status OK Power Status On Part Number CA07683-1012 Serial Number SQ1210MK00005 RAID Slot RAID Slot RAID Slot RAID Card Slot# Status BBU Status Vendor ID Device ID O OK Not. present 1000 005b	Status: Nermal Status: Network Coalignmation Maintenance DU#0 Click the Status Clear button to clear the status Board Information Status: OK Power Status: On Part Number CA07683-1012 Status: Status: Part Number SQ1210MK00005 Status: O RAID Slot: Power Status: Slot Status: O 0 On OK O OK RAID Card BBU Status: Vendor ID Device ID Physical Count 0 OK Not present 1000 005b 2	Status: Normal Status: Network Configuration Maintenance DU#0 Click the Status Clear button to clear the status. Board Information Status: OK Power Status: On Part Number CA07683-1012 Senial Number SQ1210MK00005 RAID Slot RAID Slot Link W Adv 0 On OK x4 RAID Card BBU Status Vendor ID Device ID Physical Logical 0 OK Not present 1000 005b 2 1	Status: Normal Status: Network Configuration Maintenance DU#0 Click the Status Clear button to clear the status Board Information Status: OK Power Status: On Part Number CA07683-1012 Status: Status: On Part Number SQ1210MIK00005 Easter Status: Isok Width Isok Width Isok Status: Isok Status: <t< td=""></t<>

For a user without setting privileges, [Status Clear] button and 'Click the Status Clear button to clear the status.' Message will not be displayed.

When System Progress of the partition is EFI, Boot, and OS Running, various information on RAID Card, Physical Drives, Logical Drives, and the Action Progress table is displayed. (*1)

(*1) After System Progress is changed into the state of EFI, Boot, and OS Running until information is correctly displayed, it takes one minute or less.

When Physical Drive unmounts when RAID Card and PhysicalDrives are the following installing compositions, the display of Status of Physical Drive might become no "Not-present" it and "-".

1. When RAID Card is installed only in RAID Slot#0 of DU, and the disk is not installed in Physical Drive#0 or # 1

2. When RAID Card is installed only in RAID Slot#1 of DU, and the disk is not installed in Physical Drive#2 or # 3

Items	Description
Board Information	
Status	Displays the status of the disk unit.
	· OK
	Not-present
	· Warning
	· Degraded
	· Failed
Power Status	Displays the power status of the disk unit.
	• On
	Standby
DU Part Number	Displays the part number of the disk unit.
	"-" is displayed whenever it Power OFFs it.
DU Serial Number	Displays the serial number of the disk unit.
	"-" is displayed whenever it Power OFFs it.
RAID Slot	
RAID Slot#	Displays RAID slot number.
Power Status	Displays power status of the RAID slot.
	• On
	Standby
Slot Status	Displays the status of the RAID Slot.
	• OK
	Not-present Failed
	Degraded
Link Width	Displays the Link Width of the DU/RAID slot format.
	• x1
	• x2
	• x4
	• x8
Seg/Bus/Dev	Displays Segment#, Bus#, Device# of the DU/RAID Device.
Ū	When RAID Slot is used in Extended Partition, information of Segment#, Bus# and
	Device# allocated in Extended Partition displays it by the addition in parentheses.
	Example of display: 0/135/0 (0/27/0)
RAID Card	
Slot#	The slot number equipped with the RA identification card is displayed.
BBU Status	The state of RAID BBU is displayed.
	Online
	On Battery
	Charging
	Discharging
	Battery Low
	Relearn Required
	• Failed
	Not-present
Vendor ID	Vendor ID of RAID Card is displayed.
	Remarks:
	ID uniquely allocated in manufacturer of card. For details of the ID, see the PRIMEQUEST 2000 Series Administration
	Manual(CA92344-0537)

TABLE 1.47 Display and Setting items of [DU#x] Window

Items	Description
Device ID	Device ID of RAID Card is displayed.
	Remarks:
	ID uniquely allocated in device of manufacturer.
	For details of the ID, see the PRIMEQUEST 2000 Series Administration Manual(CA92344-0537)
Physical Drives count	The number of physical drives connected with RAID Card is displayed.
Logical Drives count	The number of logical drives composed under the control of RAID Card is
Logical Diffeo count	displayed.
Serial Number	The serial number of RAID Card is displayed.
Firmware Version	The firmware version of RAID Card is displayed.
Physical Drives	
Slot#	The slot number equipped with a physical drive is displayed.
Status	The state of a physical drive is displayed.
	Operational
	Available
	• Failed
	Hot Spare
	Rebuilding
	SMART err
	• Shielded
	Bad Block
	Not-present
Vendor	The vendor name of a physical drive is displayed.
Model	The model name of a physical drive is displayed.
Capacity	The capacity of a physical drive is displayed.
RAID Card#	The slot number of RAID Card that connects a physical drive is displayed.
Logical Drives	
Sensor#	The sensor number of a logical drive is displayed.
Status	The state of a logical drive is displayed.
Raid Level	The RAID level of a logical drive is displayed.
Physical Drives	The slot number of a physical drive that composes a logical drive is displayed.
assignment Missing drives count	The number of physical drives missed to compose a logical drive at the RAID level is displayed.
	is displayed.
RAID Action Progress Drive Type	The drive type that the RAID action is executed is displayed.
Dinto Typo	
	Physical : Hardware RAID
	Logical : Software RAID
Slot#/Sensor#	Slot# from which the RAID action is executed is shown when Drive Type is Physical, and Sensor# from which the RAID action is executed is shown when Drive Type is Logical
Action	Drive Type is Logical. The RAID action under execution is displayed.
	 Rebuilding : It is shown for a physical drive to execute the rebuild of the RAID
	drive.
	Copyback Running : It is shown for a physical drive to execute the copy backing
	 MDC Running : It is shown for a logical drive to execute MDC(Make Data Consistent).
Progress	The progress rate of the RAID action under execution is displayed by the percentage.
Estimated time	The remainder time that will be expected by the time the RAID action under
remaining (hh:mm:ss)	execution is completed is displayed.
Voltage	

Items		Description
Sensor	Displays the Vo	ltage sensor type.
	12V_DU_SL	OT0
	12V_DU_SL	OT1
Voltage	Displays the cu	rrent power voltage.
Threshold	Warning (Low/High)	Lower and upper limits of the warning-level voltage.
	(Displays " – ", when the threshold is not set.
		Displays the power voltage in the last two decimal places.
	Critical	Lower and upper limits of the critical-level voltage.
	(Low/High)	
		Displays " – ", when the threshold is not set.
		Displays the power voltage in the last two decimal places.

TABLE 1.48 Buttons on [DU#x] Window

Button	Description
Status Clear	Clears the error message of the disk unit

When the [Status Clear] button is clicked, the error status of the disk unit will be cleared and it can be specified so that the disk unit can be used again at the time of the next reboot. When an error is detected again at the time of re-boot, the error status of the disk unit would be recorded again.

- (1) Menu Operation [System] – [DU] – [DU#x]
 - (2) Window Operations
 - 1. Click the [Status Clear] button.
 - A confirmation dialogue box is displayed.
 - 2. Click the [OK] button to clear the error message and click the [Cancel] when you do not want to clear the error status of the disk unit.

[Message]

This section describes the messages to be displayed on this window.

Message Number	Message
I_00029	Status Clear completed.
E_00123	Failed to clear the status.

For details on the messages displayed on the window, see *PRIMEQUEST 2000 Series Message Reference* (CA92344-0540).

1.2.16 [PCI_Box] Menu

The PCI_Box#x window displays the status of the PCI_Box connected with the PRIMEQUEST 2000 series.

FUJITSU	Model: Part Number: Serial Number: Status:	M 00	RIMEQUEST2800E CXXXXXXX 00000001 mmal		Active:MMB#0
System >PCI Box >PCI		configuration r	laintenance		Logout
System Status System Event Log Operation Log Partition Event Log System Information Firmware Information	PCI_Box#(Click the Status Cl PCI Box Info	ear button to cl	ar the status.		Refresh
System Setup	Status	mation	OK		
System Power Control	Power Status		On		
LEDs	Power Supply	Redundancy	Redundant		
Power Supply	Fan Speed Mo		Low		
Fans	IO PSU Fan S	Speed Mode	Low		
Temperature SB	Fan Redundan		Redundant		
IOU	Part Number		CA07608EAXX	X	
DU		Part Number	CA07608-D001	08	
PCI Box	PEXU	Serial Number	PT13050445		
□ PCI Box#0	Location LED		Off On Off		
□ PCI_Box#1					
OPL	Power Supply				
MMB	IO_PSU#	Status	Power Status	Part Number	Serial Number
	0	OK	On	CA01022-0720/300- 2193-11	EA12397292
	1	OK	On	CA01022-0720/300-	EA12397293

FUĴĨTSU	Model: Part Number: Serial Number Status:	:	PRIMEQUEST MCXXXXXXX 0000000001 Normal					Active:MM
Partition User Ad	ministration Netwo	rk Configuration						Lo
stem >PCI_Box >PCI_I								
ystem Status ystem Event Log	PCI Boy	x#0						Refresh
peration Log	1.01_002							
artition Event Log	Fan	-			14			
stem Information	FAN#	Status	Fan	speed	Thresh	nold		
rmware Information	TAIN#	Status	s ran	speed	Warni	ng(Low/High)	Critical	l(Low/High)
/stem Setup	IO_FAN#	0 OK	- rpr	n	- / 806	55	1516 /	2 <u>2</u>
stem Power Control	IO_FAN#	1 OK	- rpr	n	- / 806	55	1516 /	4
EDs	IO_PSU#(_FAN OK	1568	rpm	- / 760	05	3077 /	-
ower Supply ms	IO_PSU#1	1_FAN OK	1568	rpm	- / 760	05	3077 /	-
mperature								
3	Temperatu	ire				22		
DU	Sensor	Status	Tem	erature	Thresh	A14058.0		
Ŭ						ng(Low/High)		(Low/High)
CI_Box	Inlet Temp	OK OK	26°C		2/38°C	2	-/-°C	
PCI_Box#0	D C							
PCI_Box#1	Power Con		140					
PL	Power Cor	nsumption(W)	140					
MB	Airflow Vo	lume						
		olume(m3/h)	160					
	Cable Con	nection						
	Cable Con	nection		(a				
	Cable Con		RE 1.37 [PC		us Clear Windo	w (3)		
FUITSU	> Model: Part Number:	FIGU	PRIMEQUEST: MCXXXXXXX	I_Box]		w (3)		Active:MMI
FUĴĨTSU	Model: Part Number: Serial Number:	FIGU	PRIMEQUEST2 MCXXXXXXX 0000000001	I_Box]		w (3)		Active:MMI
	> Model: Part Number:	FIGU	PRIMEQUEST2 MCXXXXXXX 0000000001 Normal	I_Box]		w (3)		Active:MMI
em Partition User Adr	Model: Part Number: Serial Number: Status: ninistration Networ	FIGU	PRIMEQUEST2 MCXXXXXXX 0000000001 Normal	I_Box]		w (3)		
em Partition User Adr tem >PCI_Box >PCI_E	Model: Part Number: Serial Number: Status: <u>ministration Networ</u> Box#0	FIGU : : <u>k Configuration</u>	PRIMEQUEST2 MCXXXXXXX 0000000001 Normal	I_Box]		w (3)		
em Partition User Adr tem >PCI_Box >PCI_E rstem Status	Model: Part Number: Serial Number: Status: ninistration Networ	FIGU : : <u>k Configuration</u>	PRIMEQUEST2 MCXXXXXXX 0000000001 Normal	I_Box]		w (3)		
tem >PCI_Box >PCI_E stem Status stem Event Log peration Log	Model: Part Number: Serial Number: Status: <u>ministration Networ</u> Box#0	FIGU : : <u>k Configuration</u>	PRIMEQUEST2 MCXXXXXXX 0000000001 Normal	I_Box]		w (3)		Log
tem >PCI_Box >PCI_E stem Status stem Event Log peration Log rtition Event Log	Model: Part Number: Serial Number: Status: <u>ministration Networ</u> Box#0	FIGU : : <u>k Configuration</u> :#0	PRIMEQUEST2 MCXXXXXXX 0000000001 Normal	I_Box]	Windo			Log
tem >PCI_Box >PCI_E stem Status stem Event Log peration Log rtition Event Log stem Information	Model: Part Number: Serial Number: Status: ninistration Networ Box#0 PCI_Box Cable Conr	FIGU : : <u>k Configuration</u> :#0	PRIMEQUEST: MCXXXXXXX 0000000001 <u>Normal</u> <u>Maintenance</u>	I_Box]	Windo			Log
em Partition User Adm tem >PCI_Box >PCI_E stem Status stem Event Log peration Log urition Event Log stem Information muware Information	Model: Part Number: Serial Number: Status: https://www.status/ Box#0 PCI_Box Cable Comr LNKC#	FIGU : : <u>k Configuration</u> :#0	PRIMEQUEST: MCXXXXXXX 0000000001 Normal Maintenance	I_Box]	Windo Connec IOU#		PCIC#	Log
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tem Partition User Adr tem >PCI_Box >PCI_E stem Status stem Event Log peration Log rittion Event Log (stem Information mware Information mware Information stem Setup stem Power Control	Model: Part Number: Serial Number: Status: https://www.status/ Box#0 PCI_Box Cable Comr LNKC#	FIGU : : <u>k Configuration</u> :#0	PRIMEQUEST: MCXXXXXXX 0000000001 Normal Maintenance	I_Box]	Windo Connec IOU#			Log
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em Partition User Adr tem >PCI_Box >PCI_E stem Status stem Event Log peration Log rittion Event Log stem Information mware Information stem Setup stem Power Control EDs wwer Supply	Model: Part Number: Serial Number: Status: ninistration Networ Sox#0 PCI_Box Cable Com LNKC# 0 1 PCI-Expres	FIGU <u>k Configuration</u> x#0 nection as Slots	PRIMEQUEST: MCXXXXXXX 0000000001 Normal Maintenance	I_Box] :800E	Connect IOU# 0 1	ted to	2	Log (Refresh) (
en Partition User Adr tem >PCI_Box >PCI_E stem Status stem Event Log peration Log rrition Event Log stem Information mware Information stem Setup stem Power Control EDs wer Supply ns	Model: Part Number: Serial Number: Status: ministration Networ Sox#0 PCI_Box Cable Com LNKC# 0 1 PCI-Expres PCIC#	FIGU K Configuration K#0 nection ss Slots Power Statu	PRIMEQUEST: MCXXXXXXX 0000000001 Normal Maintenance	I_Box] :800E	Connect IOU# 0 1	ted to Seg/Bus/Dev	2 2 Vendor ID	Refresh (
en Partition User Adr tem >PCI_Box >PCI_E stem Status stem Event Log peration Log rttition Event Log stem Information mware Information stem Setup stem Power Control EDs wer Supply ns mperature	Model: Part Number: Serial Number: Status: ninistration Networ Sox#0 PCI_Box Cable Com LNKC# 0 1 PCI-Expres PCIC# 0	FIGU k Configuration k#0 nection ss Slots Power Statu On	PRIMEQUEST: MCXXXXXXX 0000000001 Normal Maintenance	I_Box] 800E	Vindo Connec IOU# 0 1	ted to Seg/Bus/Dev 0/113/0	2 2 Vendor ID 12D8	Log (Refresh) (Device ID E130
Partition User Adr tem >PCI_Box >PCI_E stem Status stem Event Log peration Log rtition Event Log stem Information mware Information stem Setup stem Power Control IDs wer Supply ns mperature 3 U	Model: Part Number: Serial Number: Status: ninistration Networ Box#0 PCI_Box Cable Com LNKC# 0 1 PCI-Expres PCIC# 0 1	FIGU k Configuration k#0 nection ss Slots Power Statu On On	PRIMEQUEST: MCXXXXXXX 0000000001 Normal Maintenance	I_Box] 800E	Vindo Connec IOU# 0 1	ted to Seg/Bus/Dev 0/113/0 0/110/0	2 2 Vendor ID 12D8 12D8	Log Refresh [Device ID E130 E130
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en Partition User Adr tem >PCI_Box >PCI_E stem Status stem Event Log peration Log rition Event Log stem Information stem Information stem Setup stem Power Control EDs wer Supply ns mperature B UU J CI_Box	Model: Part Number: Serial Number: Status: ninistration Networ Box#0 PCI_Box Cable Com LNKC# 0 1 PCI-Expres PCIC# 0 1 2 3	FIGU k Configuration k#0 nection ss Slots Power Statu On On On On On	PRIMEQUEST: MCXXXXXXX 0000000001 Normal Maintenance	I_Box] 800E	Vindo Connec IOU# 0 1	ted to Seg/Bus/Dev 0/113/0 0/110/0 0/101/0 0/107/0	2 2 Vendor ID 12D8 12D8 12D8 12D8 12D8	Device ID E130 E130 E130 E130 E130 E130 E130
en Partition User Adr tem >PCI_Box >PCI_E stem Status stem Event Log peration Log rition Event Log stem Information mware Information mware Information stem Setup stem Power Control EDs wer Supply ns mperature B UU J CI_Box PCI_Box#0	Model: Part Number: Serial Number: Status: ninistration Networ Box#0 PCI_Box Cable Com LNKC# 0 1 2 3 4	FIGU k Configuration k#0 nection ss Slots Power Statu On On On On On On On	PRIMEQUEST MCXXXXXXX 0000000001 Normal Maintenance	Link W x1 x4 x1 x1 x1 x1	Vindo Connec IOU# 0 1	ted to Seg/Bus/Dev 0/113/0 0/110/0 0/101/0 0/107/0 0/104/0	2 2 Vendor ID 12D8 12D8 12D8 12D8 12D8 12D8	Device ID E130 E130 E130 E130 E130 E130 E130 E130 E130
en Partition User Adr tem >PCI_Box >PCI_E stem Status stem Event Log peration Log rition Event Log stem Information mware Information mware Information stem Setup stem Power Control EDs wer Supply ns mperature 3 UU J I_Box PCI_Box#0 PCI_Box#1	Model: Part Number: Serial Number: Status: ninistration Networ Box#0 PCI_Box Cable Com LNKC# 0 1 PCI-Expres PCIC# 0 1 2 3 4 5	FIGU k Configuration k Configuration k Configuration ss Slots Power Statu On On On On On On On On	PRIMEQUEST MCXXXXXXX 0000000001 Normal Maintenance	Link W x1 x4 x1 x1 x1 x1 x1 x1	Vindo Connec IOU# 0 1	ted to 0/113/0 0/10/0 0/101/0 0/107/0 0/104/0 0/116/0	2 2 Vendor ID 12D8 12D8 12D8 12D8 12D8 12D8 12D8 12D	Device ID E130
en Partition User Adr tem >PCI_Box >PCI_E stem Status stem Event Log peration Log rittion Event Log stem Information mware Information stem Setup stem Power Control IDs wer Supply ms mperature 3 UU J CI_Box PCI_Box#0 PCI_Box#1 PL	Model: Part Number: Serial Number: Status: mistration Networ Box#0 PCI_Box Cable Com LNKC# 0 1 2 3 4 5 6	FIGU : tk Configuration (#0 nection ss Slots Power Statt On On On On On On On On Standby	PRIMEQUEST MCXXXXXXX 0000000001 Normal Maintenance	Link W x1 x4 x1 x1 x1 x1 x1 x4	Vindo Connec IOU# 0 1	ted to 0/113/0 0/10/0 0/101/0 0/107/0 0/104/0 0/116/0 0/28/0	2 2 Vendor ID 12D8 12D8 12D8 12D8 12D8 12D8 12D8 12D	Device ID E130
en Partition User Adr tem >PCI_Box >PCI_E rstem Status rstem Event Log peration Log rition Event Log rition Event Log rstem Information mmware Information mware Information rstem Setup rstem Power Control EDs ower Supply ms mperature B U U CI_Box PCI_Box#0 PCI_Box#1 PL	Model: Part Number: Serial Number: Status: mistration Networ Box#0 PCI_Box Cable Com LNKC# 0 1 2 3 4 5 6 7	FIGU k Configuration k Configuration k Configuration k Configuration ss Slots Power Statu On On On On On On On Standby Standby	PRIMEQUEST MCXXXXXXX 0000000001 Normal Maintenance	Link W x1 x4 x1 x1 x1 x1 x1 x4 x1 x1 x1 x1 x4 x4	Vindo Connec IOU# 0 1	ted to 0/113/0 0/10/0 0/101/0 0/107/0 0/104/0 0/116/0 0/28/0 0/25/0	2 2 2 12D8 12D8 12D8 12D8 12D8 12D8 12D8	Device ID E130
en Partition User Adr tem >PCI_Box >PCI_E rstem Status rstem Event Log peration Log rition Event Log rition Event Log rstem Information mmware Information mware Information rstem Setup rstem Power Control EDs ower Supply ms mperature B U U CI_Box PCI_Box#0 PCI_Box#1 PL	Model: Part Number: Serial Number: Status: mistration Networ Box#0 PCI_Box Cable Com LNKC# 0 1 2 3 4 5 6 7 8	FIGU k Configuration k Configuration	PRIMEQUEST MCXXXXXXX 0000000001 Normal Maintenance	Link W x1 x4 x1 x1 x1 x1 x1 x1 x1 x1 x1 x1 x1 x1 x1	Vindo Connecc IOU# 0 1	ted to Seg/Bus/Dev 0/113/0 0/110/0 0/101/0 0/107/0 0/104/0 0/104/0 0/116/0 0/28/0 0/25/0 0/16/0	2 2 2 12D8 12D8 12D8 12D8 12D8 12D8 12D8	Device ID E130
en Partition User Adr tem >PCI_Box >PCI_E rstem Status rstem Event Log peration Log rition Event Log rition Event Log rstem Information mmware Information mware Information rstem Setup rstem Power Control EDs ower Supply ms mperature B U U CI_Box PCI_Box#0 PCI_Box#1 PL	Model: Part Number: Serial Number: Status: mistration Networ Box#0 PCI_Box Cable Com LNKC# 0 1 2 3 4 5 6 7 8 9	FIGU : t Configuration t	PRIMEQUEST MCXXXXXXX 0000000001 Normal Maintenance	Link W 800E	Vindo Connecc IOU# 0 1	ted to Seg/Bus/Dev 0/113/0 0/110/0 0/101/0 0/107/0 0/104/0 0/106/0 0/25/0 0/16/0 0/22/0	2 2 2 12D8 12D8 12D8 12D8 12D8 12D8 12D8	Device ID E130 E130
FUITSU Term Partition User Administry term >PCI_Box >PCI_E vistem Status vistem Event Log peration Log utition Event Log vistem Information mware Information mware Information mware Setup vistem Setup vistem Power Control EDs wer Supply ms emperature B OU U CI_Box PCI_Box#0 PCI_Box#1 PL MB	Model: Part Number: Serial Number: Status: mistration Networ Box#0 PCI_Box Cable Com LNKC# 0 1 2 3 4 5 6 7 8	FIGU k Configuration k Configuration	PRIMEQUEST MCXXXXXXX 0000000001 Normal Maintenance	Link W x1 x4 x1 x1 x1 x1 x1 x1 x1 x1 x1 x1 x1 x1 x1	Vindo Connecc IOU# 0 1	ted to Seg/Bus/Dev 0/113/0 0/110/0 0/101/0 0/107/0 0/104/0 0/104/0 0/116/0 0/28/0 0/25/0 0/16/0	2 2 2 12D8 12D8 12D8 12D8 12D8 12D8 12D8	Device ID E130

FIGURE 1.36 [PCI_Box] Window (2)

Status:		MCXXXX 000000000 Normal	XXX 1		Active:MMB#
	k Configuratio	n <u>Maintenan</u>	<u>xe</u>		Logo
PCI Box	#0				Refresh
**	Johandoy	anor pr	-som		
in and the second second					
	011		1~		
	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1				
1	PCIeSW		OK		
Voltago					
Voltage		1		Threshold	
Sensor		Voltage			Critical(Low/High)
		3.30 V		3.06/ 3.54 V	2.14/ 3.98 V
P3 3V#0					
P3.3V#0	FX#0				
P1.8V_PCI		1.80 V		1.67/ 1.93 V	1.16/ 2.17 V
P1.8V_PC1 P0.9V_PC1	EX#0	1.80 V 0.90 V		1.67/ 1.93 V 0.83/ 0.97 V	1.16/ 2.17 V 0.58/ 1.09 V
P1.8V_PCI P0.9V_PCI P0.9VA_PC	EX#0	1.80 V 0.90 V 0.90 V		1.67/ 1.93 V 0.83/ 0.97 V 0.83/ 0.97 V	1.16/ 2.17 V 0.58/ 1.09 V 0.58/ 1.09 V
P1.8V_PCI P0.9V_PCI P0.9VA_PC P3.3V#1	EX#0 CIEX#0	1.80 V 0.90 V 0.90 V 3.30 V		1.67/ 1.93 V 0.83/ 0.97 V 0.83/ 0.97 V 3.06/ 3.54 V	1.16/ 2.17 V 0.58/ 1.09 V 0.58/ 1.09 V 2.14/ 3.98 V
P1.8V_PC1 P0.9V_PC1 P0.9VA_PC P3.3V#1 P1.8V_PC1	EX#0 CIEX#0 EX#1	1.80 V 0.90 V 0.90 V 3.30 V 1.80 V		1.67/1.93 V 0.83/0.97 V 0.83/0.97 V 3.06/3.54 V 1.67/1.93 V	1.16/ 2.17 V 0.58/ 1.09 V 0.58/ 1.09 V 2.14/ 3.98 V 1.16/ 2.17 V
P1.8V_PCI P0.9V_PCI P0.9VA_PC P3.3V#1	EX#0 CIEX#0 EX#1 EX#1	1.80 V 0.90 V 0.90 V 3.30 V		1.67/ 1.93 V 0.83/ 0.97 V 0.83/ 0.97 V 3.06/ 3.54 V	1.16/ 2.17 V 0.58/ 1.09 V 0.58/ 1.09 V 2.14/ 3.98 V
	Part Number: Serial Number: Status: ministration Networ Box#0 PCI_Box Chipset # 0 1 Voltage	Part Number: Serial Number: Status: ministration Network Configuration Box#0 PCI_Box#0 PCI_Box#0 Chipset # Chip 0 PCIeSW 1 PCIeSW Voltage	Part Number: MCXXXX Serial Number: 000000000 Status: <u>Normal</u> ministration <u>Network Configuration</u> <u>Maintenand</u> Box#0 PCI_Box#0 <u>Chipset</u> <u># Chip 0 PCIeSW</u> 1 PCIeSW Voltage	Part Number: MCXXXXXX Serial Number: 000000001 Status: <u>Normal</u> ministration <u>Network Configuration Maintenance</u> Box#0 PCI_Box#0 PCI_Box#0 Chipset <u># Chip Status</u> 0 PCIeSW OK 1 PCIeSW OK Voltage	Part Number: MICXXXXXX Serial Number: 000000001 Status: <u>Normal</u> ministration <u>Network Configuration Maintenance</u> Box#0 PCI_Box#0 <u>PCI_Box#0</u> <u>Chipset</u> <u># Chip Status</u> 0 PCIeSW OK 1 PCIeSW OK 1 PCIeSW OK

FIGURE 1.38 [PCI_Box] Window (4)

	Items	Description
PCI Box	Information	
Status		Displays the status of the PCI_Box.
		· OK
		Not-present
		Warning
		· Degraded
		· Failed
Power St	tatus	Displays the power status of the PCI_Box.
1 01101 01		• On
		Standby
Power Si	upply Redundancy	Displays the redundancy status of the IO_PSU
		Redundant
		Non-redundant: Sufficient Resources
Fan Spee	ed Mode	Displays the rpm status of the fan.
		Low
		Normal
		High Full
IO PSU	Fan Speed Mode	
10_1 00 1		Displays the IO_PSU Fan Speed Mode Low
		Low Normal
		• High
Fan Redu	undanov	Full
i an iteu	unuancy	Displays the redundancy status of the fan.
		Redundant
Part Num	abar	Non-redundant: Sufficient Resources
		Displays the part number of the PCI_Box.
PEXU	Part Number	Displays the part number of the PEXU.
	Serial Number	Displays the serial number of the PEXU.
Location	LED	Displays the status of the Location LED.
		He following are the various display statuses.
		On: Turn On
		Off: Turn Off
		On/ Off/ of the Location LED can be controlled by clicking the [On], [Off]
		buttons.
Power Su		
IO_PSU#	‡	IO_PSU# Displays the IO_PSU number.
Status		Displays the display status of the IO_PSU.
		· OK
		Not-present
		Failed
		A/C Lost
Power Status		Configuration error
		Displays the power status of the IO_PSU.
		• On
		Chanalbur
		Standby
Part Num	nber	Standby Displays the part number of the IO_PSU.
Part Num Serial Nu		
		Displays the part number of the IO_PSU.

	Items	Description
Status		Displays the status of the fan.
		• OK
		Not-present
		Failed
Fan speed		Displays the rpm of the fan.
Threshold		Displays the threshold of the fan.
Temperature		
Sensor		Displays the ID of the temperature sensor.
Status		Displays the status of temperature sensor.
Temperature		Displays the current temperature.
Threshold		Displays the threshold at which each temperature sensor is maintained
		Warning: Low/High
		Critical: Low/High
Power Consur	•	
Power Consul		Displays the power consumption.
Airflow Volume		
Airflow Volum	-	Displays the airflow volume.
Cable Connec	tion	
LNKC#		Displays the Link Card number.
Status		Displays the connection status of the cable.
		· OK
		Not-connected
	1	correct connection
Connect to	IOU#	Displays the connection destination IOU#.
		When not connected, the display is grayed out.
	PCIC#	Displays the PCI Slot# of the connection destination IOU.
		When not connected, the display is grayed out.
PCI-Express S	Slots	
PCIC#		Displays the PCI-Express slot number.
Power Status		Displays the power status of the GPCI-Express slot.
		• On
		Standby
Slot Status		Displays the status of PCI-Express slot.
		· OK
		Not-present
		Failed
		Disabled
Link Width		Displays the Link Width of the PCI-Express slot format.
		• x1
		• x2
		• x4
		• x8
Seg/Bus/Dev		Displays the Segment#, Bus# and Device# of the PCI-Express slot.
		When PCI-Express Slots is used in Extended Partition, information of
		Segment#, Bus# and Device# allocated in Extended Partition displays
		it by the addition in parentheses.
		Example of display: 0/135/0 (0/27/0)
Vendor ID		Displays the Vendor ID of the PCI Card.
		Remarks:
		ID uniquely allocated in manufacturer of card.
		For details of the ID, see the PRIMEQUEST 2000 Series
		Administration Manual(CA92344-0537)

	Items	Description
Device ID		Displays the Device ID of the PCI Card.
		Remarks:
		ID uniquely allocated in device of manufacturer.
		For details of the ID, see the PRIMEQUEST 2000 Series
		Administration Manual(CA92344-0537)
Chipset		
#		Displays the Chipset number.
Chip		Displays the Chip name
		· PCIeSW
Status		Displays the status.
		• OK
		Warning
		Failed
Voltage		
Sensor		Displays the Voltage sensor type.
		P3.3V#0
		P1.8V_PCIEX#0
		P0.9V_PCIEX#0
		P0.9VA_PCIEX#0
		P3.3V#1
		P1.8V_PCIEX#1
		P0.9V_PCIEX#1
		P0.9VA_PCIEX#1
Voltage		Displays the current power voltage.
Threshold	Warning(Low/High)	Lower and upper limits of the warning-level voltage.
		Displays " – ", when the threshold is not set.
		Displays the power voltage in the last two decimal places.
	Critical(Low/High)	Lower and upper limits of the critical-level voltage.
		Displays " – ", when the threshold is not set.
		Displays the power voltage in the last two decimal places.

TABLE 1.50 [MMB#x] Window button

Buttons	Description
On	The Location LED lights up when the [On] button is clicked.
Off	The Location LED light out when the [Off] button is clicked.
Status Clear	The error status of PCI_Box is cleared.

(1) Menu Operation [System] - [PCI_Box] - [PCI_Box#x]

- (2)
- Window Operations Click the [Status Clear] button. Clear the error status of the PCI_Box. 1.

[Message]

This section describes the messages to be displayed on this window.

Message Number	Message
I_00029	Status Clear completed.
E_00123	Failed to clear the status.

For details on the messages displayed on the window, see PRIMEQUEST 2000 Series Message Reference (CA92344-0540).

1.2.17 [OPL] Window

[OPL] Window has the following windows.

[OPL] Window

The OPL Board status is displayed in the [OPL] Window.

		FIGURE 1.39 [OPL] window	
FUĴĨTSU	Model: Part Number: Serial Number: Status:	PRIMEQUEST 2800E MCXXXXXX Normal	Active:MMB#0
System Partition User Adr >System >OPL	ministration Network Cor	nfiguration Maintenance	Logout
System Status System Event Log Operation Log Partition Event Log System Information Firmware Information	OPL Click the Status Clear b Board Information	autton to clear the status.	Refresh Help
System Setup	Status	OK	
System Power Control	Power Status	On	
LEDs	Part Number	CA07130-TEST	
Power Supply Fans	Location LED	Off On Off	
 Temperature SB IOU DU OPL MMB 		Status Clear	

[Status Clear] button and 'Click the Status Clear button to clear the status.' Message is not be displayed for a user without the setting privilege.

Items	Description
Status	Displays the status of the OPL.
	· OK
	Not-present
	• Warning
	· Degraded
	· Failed
Power Status	Displays the Power status of the OPL.
	• On
	Standby
Part Number	Displays the part number of the OPL.
Location LED	Displays the status of the Location LED.
	Following are the various display status.
	On: Lighting
	Off: Light out
	On/ Off of the Location LED can be controlled by clicking the [On], [Off] buttons.

TABLE 1.51 Display items of [OPL] Window

TABLE 1.52 Button on [OPL] window

ſ	Button	Description
	Part Number	Clears the error status of the OPL.

[Message]

This section describes the messages to be displayed on this window.

Message Number	Message
I_00029	Status Clear completed.
E_00123	Failed to clear the status.

For details on the messages displayed on the window, see *PRIMEQUEST 2000 Series Message Reference* (CA92344-0540).

(1) Menu Operation

[System] - [OPL]

- (2) Window Operations
- 1. Click the [Status Clear] button.
 - Confirmation dialogue box is displayed.
- 2. Click the [OK] button to clear the error message and click the [Cancel] when you do not want to clear the error status of OPL.

1.2.18 [MMB] Menu

In [MMB] menu, each MMB Unit has menu.

• [MMB#0] ~ [MMB#1]

Since the window and the operation method are the same in all menus units, of only one unit is described here.

[IMMB#x] Window

In [MMB#x] Window, information related to MMB can be displayed and the Location LEDs can be set.

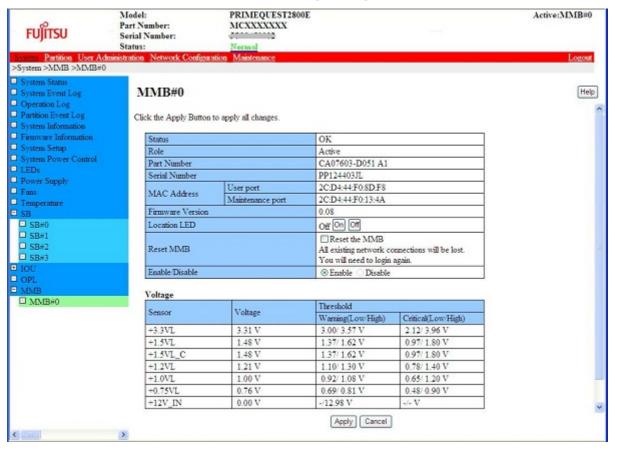


FIGURE 1.40 [MMB#x] Window

1		Description
Items Status		Description Displays the status of the MMB.
Status		· OK
		Not-present
		· Warning
		· Degraded
		· Failed
Role		Displays the operation status of the MMB.
Role		Active
		Standby
		Disabled
Part Numb	or	Displays part number of the MMB.
Serial Num		Displays the serial number of the MMB.
MAC		
_	User port	Displays MAC address of the MMB management port.
address	Maintananaa	00:00:00:00:00 Displays MAC address of the MMP part
	Maintenance Port	Displays MAC address of the MMB port. 00:00:00:00:00
Firmware \		
		Displays the version of the MMB firmware.
Location L	ED	Displays the status of the Location LED.
		The following are the various display status.
		On: During power on. Off: During power off:
		Off: During power off Off of the Leastion LED can be controlled by clicking [On]. [Off] buttone
Reset MM	D	On/ Off of the Location LED can be controlled by clicking [On], [Off] buttons. Resets the MMB if this check box is checked.
Reset WIW	D	
		When this check box is checked, [Switch Over to MMB] mentioned below cannot be set.
		Remarks
		When resetting MMB twice or more consecutively, leave an interval of about 15
		minutes between each resetting of MMB.
Switch Ov	or to MMP	Switches the Active/Standby of the MMB if this check box is checked.
Switch Ov		When this check box is checked, [Reset MMB] mentioned above cannot be set.
		Remarks
		When switching MMB twice or more consecutively, leave an interval of about 15
		minutes between each resetting of MMB.
		This check box is displayed only, when two MMBs are mounted.
Enable/Dis	able	Controls Enable/ Disable of the MMB.
Enable/Die		Because this item is a facility used for testing, it is not possible to usually set it.
Voltage		
Sensor		Displays the Voltage sensor type.
		P3.3VL
		P1.5VL
		P1.5VL_CPLD
		P1.2VL
		P1.0VL
Voltage		P0.75VL
		Displays the current power voltage.
Threshold	Warning (Low/High)	Lower and upper limits of the warning-level voltage.
	(LOW/INGII)	Displays " – ", when the threshold is not set.
		Displays the power voltage in the last two decimal places.
	Critical	Lower and upper limits of the critical-level voltage.
	(Low/High)	
		Displays " – ", when the threshold is not set.
		Displays the power voltage in the last two decimal places.

TABLE 1.53 Display of [MMB#x] Window / s	setting items
------------------------------------------	---------------

Buttons	Description
On	Turns on the Location LED when the [On] button is clicked.
Off	Turns off the Location LED when the [Off] button is clicked
Apply	Click the [Apply] button to set the specified control information.
Cancel	Click the [Cancel] button to restore the original information and not set the specified information.

TABLE 1.54 [MMB#x] Window button

(1) Menu Operation

[System] – [MMB] – [MMB#x]

(2) Window Operations

Confirmation dialogue box is displayed. Specify the information which shows the change in MMB status, click the [Apply] button. Sets the information which shows the change in MMB status.

[Message]

This section describes the messages to be displayed on this window.

Message Number	Message
I_00013	Setting completed.
I_00052	MMB switch processing has started.
I_00095	The standby MMB is rebooting now. Please wait several minutes.
E_00100	Failed to set the LED
E_00125	Failed to switch over to another MMB.
E_00125	Failed to change Enable/Disable status of the MMB.
E_00125	Failed to reset the MMB.
I_00213	%aa cannot be executed because the system is under maintenance.
I_00467	The reboot is done. Login after a while.
W_00413	Nothing is selected.
W_00576	Unable to execute Enable / Disable because the firmware is updating.
W_00576	Unable to execute Switch Over to MMB because the firmware is updating.
W_00576	Unable to execute Reset MMB because the firmware is updating.

For details on the messages displayed on the window, see *PRIMEQUEST 2000 Series Message Reference* (CA92344-0540).

1.2.19 [Disk Enclosure] Menu

The [Disk Enclosure#x] Window displays the state of Disk Enclosure and the disk connected with PRIMEQUEST 2000 series. When Disk Enclosure is connected with IOU or PCI-BOX, it is displayed in the menu.

Attention: The error of the Disk Enclosure screen is not reflected on the System Status screen. If any Logical drive is not being mounted by the RAID controller with whom Disk Enclosure was connected, this screen might not be displayed. Please construct one or more Logical drive, and refer to the screen.

FUĴĨTSU	Part Number: Serial Number: Status:	art Number: erial Number: (tatus:			2800E				Active:MMB#
vstem Partition User Ad		Config	uration Mai	ntenance					Logo
System Status System Event Log Operation Log	Disk Ei		sure#0						Refresh
Partition Event Log	Status	losure		arning					1
System Information Firmware Information	Location				C#11-Port#1-Ca	iscade#0			- 2
System Setup	Location	LED	12	n Off					
System Power Control									
LEDs	Tempera	ture							
Power Supply							Threshold		
Fans	Sensor			Status		Temperature		Warning	Critical
Femperature								(Low/High)	(Low/High)
SB	RAID Ct			OK		5	52°C	-/-	-/-
IOU DU	RAID BI	3U Tem	ıp.	Not-present					
PCI Box	RAID Ca	rd							
OPL MMB	BBU Sta	tus	Vendor ID	D Device ID Physical Count		ves Logical Drives Count Ser		Serial Number	Firmware Version
Disk Enclosure	Not-pres	ent	1000	005Ъ	0	0 SV225P224		SV225P2246	23.9.0-0028
Disk Enclosure#0									i i
	Physical			2.2			10000	100 C	
	Slot#	Statu		Vendor	Model		Ca	apacity	
	0		present						2
	1	1 Not-present							
	2	2 Not-present 3 Not-present			-				22
			present						

FUJITSU	Model: Part Number: Serial Number: Status:	1	RIMEQUEST2800 MCXXXXXXX LWarning	E		Active:MMB#
System Partition User Ad System >Disk Enclosure >I	ministration Network Disk Enclosure#0	Configuration Ma	aintenance			Logou
System Status System Event Log Operation Log Partition Event Log		iclosure#0				Refresh
System Information	Sensor#	Status	RAID Level	Physical Drives assignme	ent Missing drives (Count
Firmware Information	-	-	-	-	-	
System Setup						
System Power Control	RAID Act	tion Progress				
LEDs	Drive Typ	e Slot#/Sen	sor# Action	Progress	Estimated time rem	aining (hh:mm:ss)
Power Supply	-		-	-	-	
Fans						
Temperature	Expander					
SB	Expander					
IOU	0	OK				
DU PCI_Box	PSU					
OPL	PSU#	Status				
MMB	0	OK				
Disk Enclosure	1	OK				
Disk Enclosure#0		1.555				
	Fans					
	FAN#	Status				
	0	OK				
	1	OK				
	2	Failed				
	3	Failed				

FIGURE 1.42 [Disk Enclosure#x] Window (2)

When System Progress of the partition is EFI, Boot, and OS Running, various information on RAID Card, Physical Drives, Logical Drives, and the Action Progress table is displayed. (*1)

(*1) After System Progress is changed into the state of EFI, Boot, and OS Running until information is correctly displayed, it takes one minute or less.

Items	Description
Disk Enclosure Informati	
Status	Displays the status of the Disk Enclosure.
	· OK
	· Warning
	· Failed
Location	Displays the location where Disk Enclosure is connected.
Location LED	Displays the status of the Location LED.
	 Following are the various display status. On: Lighting
	 Off: Light out
	On/ Off of the Location LED can be controlled by clicking the [On], [Off] buttons.
Status	Displays the status of each temperature sensor.
	• OK
	Not-present
	• Warning
Tamananatura	Critical
Temperature Threshold	Displays the temperature of each temperature sensor. Displays the threshold which maintained the by each temperature sensor.
Theshold	
	Warning. Low/riigh
	Critical :Low/High
RAID Card BBU Status	The state of RAID BBU is displayed.
BBO Status	
	Online
	On Battery
	Charging
	Discharging
	Battery Low
	Relearn Required
	• Failed
	Not-present
Vendor ID	Vendor ID of RAID Card is displayed.
	Remarks:
	ID uniquely allocated in manufacturer of card. For details of the ID, see the PRIMEQUEST 2000 Series Administration
	Manual(CA92344-0537)
Device ID	Device ID of RAID Card is displayed.
	Remarks:
	ID uniquely allocated in device of manufacturer. For details of the ID, see the PRIMEQUEST 2000 Series Administration
	Manual(CA92344-0537)
Physical Drives count	The number of physical drives connected with RAID Card is displayed.
Logical Drives count	The number of logical drives composed under the control of RAID Card is displayed.
Serial Number	The serial number of RAID Card is displayed.
Firmware Version	The firmware version of RAID Card is displayed.
Physical Drives	
Slot#	The slot number equipped with a physical drive is displayed.

TABLE 1.55 Display and Setting items of [Disk Enclosure#x] Window

Items	Description
Status	The state of a physical drive is displayed.
	Operational
	Available
	• Failed
	Hot Spare
	Rebuilding
	SMART err
	Shielded
	Bad Block
Vendor	Not-present The vendor name of a physical drive is displayed.
Model	The model name of a physical drive is displayed.
Capacity	The capacity of a physical drive is displayed.
Temperature	The temperature of a physical drive is displayed.
Logical Drives	
Sensor#	The sensor number of a logical drive is displayed.
Status	The state of a logical drive is displayed.
Raid Level	The RAID level of a logical drive is displayed.
Physical Drives	The slot number of a physical drive that composes a logical drive is displayed.
assignment	
Missing drives count	The number of physical drives missed to compose a logical drive at the RAID level
	is displayed.
RAID Action Progress Drive Type	The drive type that the RAID action is executed is displayed.
Drive Type	
	Physical : Hardware RAID
	Logical : Software RAID
Slot#/Sensor#	Slot# from which the RAID action is executed is shown when Drive Type is
	Physical, and Sensor# from which the RAID action is executed is shown when
	Drive Type is Logical.
Action	The RAID action under execution is displayed.
	 Rebuilding : It is shown for a physical drive to execute the rebuild of the RAID drive.
	Copyback Running : It is shown for a physical drive to execute the copy
	backing
	• MDC Running : It is shown for a logical drive to execute MDC(Make Data
	Consistent).
Progress(%)	The progress rate of the RAID action under execution is displayed by the percentage.
Estimated time	The remainder time that will be expected by the time the RAID action under
remaining (hh:mm:ss)	execution is completed is displayed.
Expander	
Expander#	The number of the expander is displayed.
Status	Displays the status of the Expander.
	· OK
	• Warning
	· Failed
	Not-Present
PSU	
PSU#	The number of the exp PSU ander is displayed.
100#	ד דור העודוטבו טו נוופ פאף רסט מוועבו וא טואיומאפע.

Items	Description
Status	Displays the status of the PSU.
	· OK
	• Warning
	· Failed
	Not-Present
Fans	
FAN#	The number of the Fan is displayed.
Status	Displays the status of the Fan.
	· OK
	• Warning
	· Failed
	Not-Present

1.3 [Partition] Menu for PRIMEQUEST 2400E3/2800E3/2400E2/2800E2/2400E/2800E

Status display and partition settings of PRIMEQUEST 2400E3/2400E2/2400E and PRIMEQUEST 2800E3/2800E2/2800E can be done on [Partition] Menu. This menu is not displayed in PRIMEQUEST 2800B3/2800B2/2800B.

1.3.1 [Power Control] Window

[Power Control] window displays the power control of the partition.

Only the partition having the SB and IOU is displayed in this window.

The display window and display conditions are different depending on the model of PRIMEQUEST 2400E3/2400E2/2400E or PRIMEQUEST 2800E3/2800E2/2800E.

The partition that satisfies the following conditions is displayed in the correction.

- (1) Partition with at least one SB, and
- (2) Partition with at least one IOU, and
- (3) With the PRIMEQUEST 2400E3/2800E3/2400E2/2800E2/2400E/2800E model, the partition number of Extended Partitioning is allocated on the Physical Partition that satisfies the above mentioned (1) and (2).

The partition of Extended Partitioning describes Extended Partition after this.

If with the PRIMEQUEST 2400E3/2800E3/2400E2/2800E2/2400E/2800E model, the Extended Partitioning mode of the Physical Partition is set to Enable, the background color becomes gray and the operation is supressed. On the contrary, when the Extended Partitioning mode of the Physical Partition which becomes the parent of the Extended Partition is set to Disable, the display of the Extended Partition grays out and operation is prevented.

Remarks

When the operating system supports ACPI (Advanced Configuration and Power Interface), the power can be turned Off after the operating system is Shutdown by Power Off operation. If ACPI is not supported, power can be Off without the Shutdown of the operating system. Moreover, even if the operating system supports ACPI, and applications running on the operating system are not supported, sometimes power Off is not possible. Since these depend on the specifications of the operating system and applications, for details, refer to the operating system and application specifications.

		Number: MCXXXXXXX Number:			Active:MMB#0
Partition >Power Control Power Control Schedule Console Redirection Se Partition Configuration Reserved SB Configuration	Power Con Select a Power Con		re partitions, then click the A	pply button to take effect.	Refresh Help
■ Partition#0 ■ Partition#1		e Power Status System	Progress Power Control	Force Power Off Delay Boot Selector	
	0 hayashi	Standby Power	Off (Not specified)	V Dverride V	
	1 take	Standby Power	Off (Not specified)	No Override	
	8		(Apply) C	ancel	

FIGURE 1.43 [Power Control] Window

FIGURE 1.44 [Power Control] Window (When Extended Partitioning Mode is enable)

FUĴÎTSU	Model Part N Serial Status stration	lum Nu	mbe	r:	PRIMEQUE MCF3AC111 Normal Maintenance			Active:MMB#J
 >Partition >Power Control Power Control Schedule Console Redirection Setup Partition Configuration Partition#1 Extended Partition 	P	ov	vei	Control		ore partitions, then click the Ap	ply button to take effe	Refresh Hel
 Partition#2 Extended Partition Partition#3 Extended Partition 	C	#	P#	Partition Name	Power Status	System Progress	Power Control	Force Power Off Delay Boot Selector
Reserved SB Configuration Power Management Setup Partition#1		1	Р	PPAR-	Standby	Power Off	(Not specified)	No Override
Partition#2 Partition#3		2	P	PPAR- CAR -	Standby	Power Off	(Not specified)	No Override
Partition#4 Partition#10 Partition#11		3	P	PPAR CARE	On	Extended Partitioning Running	(Not specified)	■ <u>1 ∨</u> min No Override ∨
		4	2		Standby	Power Off	(Not specified) 🗸	No Override
		10	1		Standby	Power Off	(Not specified) 🗸	□ min No Override ✓
						Apply Cance		n 1 min

•

In case of Partition Operator privilege (In case of management target Partition#0) Operations can be performed only for a partition which is targeted for management. When it is not targeted for management, Pull-down Menu and the setting items are displayed as gray out.

FUJITSU	Model: Part Nu Serial N Status:	Sumber:	Active:MMB#0				
 >Partition >Power Control Power Control Schedule Console Redirection Setup Partition Configuration Reserved SB Configuration 	P	ower Conti	rol	ne or more partitio	ns, then click the App	ly button to take effect.	(Refresh)(Help)
■ Partition#0		# Partition Name	Power Status	System Progress	Power Control	Force Power Off Delay Boot Selector	
		0 hayashi	Standby	Power Off	(Not specified) 👻	No Override V	
		1 take	Standby	Power Off	(Not specified)	In Overide	
<	>				Apply Cano	cel	

FIGURE 1.45 [Power Control] Window (Grayout Display)

FIGURE 1.46 [Power Control] Window (Grayout Display) (When Extended Partitioning Mode is enable)

FUĴÎTSU	Mode Part N Serial Status istration	Num Nu	mbe	r:	PRIMEQUE MCF3AC111 Normal			Active:MMB#1 Logout
Power Control Schedule Console Redirection Setup	Р	ov	vei	. Control				Refresh Help
 Partition Configuration Partition#1 Extended Partition 		#	P#	Partition Name	Power Status	System Progress	Power Control	Force Power Off Delay Boot Selector
 Partition#2 Extended Partition Partition#3 Extended Partition Reserved SB Configuration 		1	Р	PPAR CONT	Standby	Power Off	(Not specified)	■ <u>1 min</u> No Override
 Power Management Setup Partition#10 		2	Р	PPAR -	Standby	Power Off	(Not specified)	■ <u>1 min</u> No Override
		3	P	PPAR COMP	On	Extended Partitioning Running	(Not specified)	■ <u>1 ~</u> min No Override ~
		4	2		Standby	Power Off	(Not specified)	1 min No Override
		10	1		Standby	Power Off	(Not specified) V	No Override
		11	3	832000	On	Boot	(Not specified)	1 min No Override
< >>		L		1	1	Apply Cance	1	

- Select the process executed for the partition from Pull-down menu of [Power Control]. Then, click the [Apply] button. Dialog box for confirmation appears.
- 2. Click the [OK] button to execute the process. Click the [Cancel] button to cancel the process.

When Partition Power is On, or when Power is Off, and when the specified control is failed, Warning dialog box appears.

When the CPU mounted on the SB of partition is not matched at the time of specifying the Power On of partition, Warning dialog box appears. Error occurs in the Power On operation.

Items	Description
#	Displays the number by which the partition is identified. [In case of the PRIMEQUEST 2800E3/2800E2/2800E model] There are 0-11 Partitions. [In case of the PRIMEQUEST 2400E3/2400E2/2400E model] There are 0-5 Partitions. However, only the partitions with SB and IOU registration are
P#	displayed.Displays the "P" which indicates the parent Physical Partition from the physical partition wherein Extended Partitioning Mode is set to Enable. In case of Extended Partition, displays Physical Partition
	number of Parent Partition.
Partition Name	Displays the name of the Partition.
Power Status	Displays the Power Status of the Partition. On Standby
System Progress	 The status of the partition progress is displayed. Power Off: The partition power is off. Power On In Progress: Partition power on is in process. Reset: The status of the partition from the beginning of reset till the completion of the operating system boot. EFI: The UEFI menu screen is displayed. Boot: Operating system is being booted. Operating system Running: Operating system running state Operating system Shutdown: Operating system shutting down. Panic: Panic (Only in RHEL) Power Off In Progress: Partition power off is in process. Fatal: Stopped. Dumping: The dumping is being output. Halt: Halting. Extended Partitioning Running: The firmware of Extended Partitioning is operating system shutdown', 'Panic' commanded by SVAS (Server View Agentless Service) is not installed to partition, the display is not switched over in 'Operating system Running' even if Operating system shutdown', 'Panic' commanded by SVAS if SVAS is not installed, there is no display. SVAS : Specifies the piece of software running on the OS in managed nodes to help BMC with management. Unless SVAgent, it does not provide management interface to the outside. The operation at kdump by Linux OS is as follows. RHEL : It changes to "Panic" and "Dumping". (Only when "FJSVfefpcl" package is installed.) SUSE : It does not change "Panic" and "Dumping".

TABLE 1.56 Display Items and Set Items of [Power Control] Window

Items	Description
Power Control	Selects power control specified for the partition.
	However, for the partition which is already in power-on state,
	[Power On] is not displayed. On the contrary, for the partition
	which is already in powered off, [Power Off], [Reset], [NMI], [Power
	Cycle], [Force Power Off] and [sadump] are not displayed.
	Power On: Partition is the powered on.
	Power Off: Partition is powered off.
	From the view point of Operating system, it is same as that
	the power button of the device is on. Therefore, when the
	operating system supports the ACPI, power can be turned off
	after the operating system is shutdown. For details, see
	Power Specifications (ACPI) of the operating system. When
	the operating system does not support the ACPI, the power
	can be turned off without shutting down the operating system.
	• Power Cycle: Powered on again after the partition is forcibly
	powered on.
	Reset: Resets the partition.
	 NMI: Produces the NMI interruption for the partition. Force Power Off: Turns off the power forcefully.
	 sadump: Specifies the SADUMP for the partition.
	(Not specified): There is no instruction for this partition.
Force Power Off Delay	Specifies whether to enforce power off, when power off is done
	without proper operation of the shutdown instruction for the
	operating system by [Power Off] on the partition. In case enforced
	power off has been specified, the specified time (1~9 minutes) can
	be set. The partition is forcibly powered off when the specified time
	has lapsed.
	The default setting of check box is Off.
Boot Selector	Specifies the boot device for which the Boot Manager setting of
(For PRIMEQUEST 2400E3/ 2800E3/2400E2/2800E2	BIOS is Override temporarily. Select the device to be boot from pull-down menu.
model or PRIMEQUEST	 No Override: Boots by the EFI Boot Manager settings.
2400E/2800E model and	 Force boot into EFI Boot Manager: Waiting for input by the
since BA15072 the number	EFI Boot Manager. Boot by selecting the boot device from
of integrated firmware	the EFI Boot Manager
versions.)	· Force Legacy PXE/iSCSI: Overrides the EFI Boot Manager
	settings, forcibly tries the PXE. (BIOS Boot Type: Legacy)
	· Force boot from Legacy DVD: Overrides the EFI Boot
	Manager settings, and forcibly tries the booting from the
	System DVD.(BIOS Boot Type: Legacy)
	• Force UEFI PXE/iSCSI: Overrides the EFI Boot Manager
	settings, forcibly tries the PXE. (BIOS Boot Type: UEFI)
	Force boot from UEFI DVD: Overrides the EFI Boot Manager settings and forcibly tries the booting from the System
	settings, and forcibly tries the booting from the System DVD.(BIOS Boot Type: UEFI)
	BY B. (BIOG BOOL TYPE, OLT I)
	Default setting is 'No Override'.
	This setting is applied only for the first partition boot setting the
	value. After the partition boots, this setting automatically returns
	to 'No Override'. Therefore, it is necessary to set the boot for each
	partition. In case of constant setting, it is set in the Boot Manager
	of the UEFI.

Items	Description
Items Boot Selector (For PRIMEQUEST 2400E/ 2800E model and before BA15065 the number of integrated firmware versions.)	 Description Specifies the boot device for which the Boot Manager setting of BIOS is Override temporarily. Select the device to be boot from pull-down menu. No Override: Boots by the EFI Boot Manager settings. Force boot into EFI Boot Manager: Waiting for input by the EFI Boot Manager. Boot by selecting the boot device from the EFI Boot Manager Force PXE/iSCSI: Overrides the EFI Boot Manager settings, forcibly tries the PXE. Remarks Only PXE of the Legacy setting and iSCSI : boot according to this menu. Neither PXE of EFI Aware nor iSCSI are booted. Force boot from DVD: Overrides the EFI Boot Manager settings, and forcibly tries the booting from the System DVD. Remarks Only the medium of Legacy : boot according to this menu. The medium of EFI Aware is not booted. Default setting is 'No Override'. This setting is applied only for the first partition boot setting the value. After the partition boots, this setting automatically returns to 'No Override'. Therefore, it is necessary to set the boot for each partition. In case of constant setting, it is set in the Boot Manager of the UEFI.

Buttons	Description
Apply	When you click the [Apply] button, the information of power control items is set.
	Confirm the setting contents if dialog box prompts for Confirmation.
Cancel	When you click the [Cancel] button, returns to source without setting the information of power
	control items corresponding to partition,.

TABLE 1.57 [Power Control] Window Buttons

Remarks

When the operating system supports the ACPI, the operating system can be shutdown by the above mentioned Power Off operation and the power can be turned off. When the operating system is not supported by the ACPI, the power is turned off without shutting down the operating system. Moreover, when the application which is operating in the operating system is not supported even if the operating system is supported by the ACPI, the power cannot be turned off. Since this is according to the operating system and application specifications, for details, see the Operating System and Application Manual.

"Error Display

Even if there is no bootable partition configured, the window mentioned below appears.



FIGURE 1.47 Display of Errors of [Power Control] Window

(1) Menu Operation

[Partition] – [Power Control]

- (2) Window Operations
- Click the [Status Clear] button. Selects the power control items related to each partition from the pulldown list of [Power Control]. Then click the [Apply] button. Dialog box for setting confirmation appears.
- 2. Click [OK] button to execute the settings.

[Message]

This section describes the messages to be displayed on this window.

Message Number	Message
E_00075	Partition#aa cannot execute sadump
E_00077	Partition#aa cannot execute Power On.
E_00078	Partition#aa cannot execute Power Off.
E_00079	Partition#aa command failed
E_00080	Partition#%aa cannot execute Power Cycle.
E_00081	Partition#%aa cannot execute Reset.
E_00082	Partition#%aa cannot execute NMI.
E_00084	Partition#%aa cannot execute Force Power Off.
E_00091	Force Power Off Delay setting failed.
E_00101	Unable to power on the partition#%aa due to CPU mismatch between SBs.
I_00214	Unable to Power On the Partition#%aa because this Partition is under maintenance.
I_00222	Unable to %aa the Partition#%aa because this Partition is under maintenance.
E_00422	Unable to power on the partition#%aa due to CPU composition abnormal.
E_00154	Unable to power on due to mismatch between supply voltage and input voltage.
E_00482	Unable to power on the partition#%aa due to DIMM composition abnormal.
E_00491	Unable to power on the partition#%aa due to DIMM does not satisfy requirements of Mode.
W 00504	The Power On failed, because of switching the Home SB.
_	Please execute it after a while again.
E_00517	Unable to power on the partition#%d due to abnormal SB composition.
E_00543	Unable to power on the partition#%d due to abnormal Extended Partitioning composition.
W_00587	Unable to execute Power Control because the firmware is updating.
W_00588	Unable to execute command because the power control operating.

For details on the messages displayed on the window, see *PRIMEQUEST 2000 Series Message Reference* (CA92344-0540).

1.3.2 [Schedule] Menu

The [Schedule] menu has the [Schedule Control] and [Schedule List] windows. This section describes the windows and the operation.

Note

As mentioned below, there may be a delay in the time recorded in SEL compared to the time reserved for scheduled operations.

- After checking the configuration and after performing the start up preparation process, it takes some time until the power is ON. In this case, the SEL display is delayed about from six seconds up to 8 seconds than the time reserved for the scheduled operations.
- The shutdown instructions from MMB to OPERATING SYSTEM take certain time from the set time. However, the following interval times may be changed under the various conditions like setting and the configuration.
- · Interval time until shutdown instructions reaches OS from MMB.
- · Interval time until MMB notifies SEL begin shutdown after OS begins shutdown.
- Even if the [Power on Delay] is 0 seconds, it takes about 30 seconds ~ 70 seconds from starting the power on up to the reset.

1.3.2.1 [Schedule Control] window

In the [Schedule Control] window, the setting related to the schedule can be set for each partition.

If the Extended Partitioning Mode of Physical Partition is set to Enable, then the background color is shown in gray and schedule drive is disabled. On the other hand, when Extended Partitioning Mode of Physical Partition which becomes the parent of Extended Partition, is set to Disable, then background color of Extended Partition is displayed in gray and schedule drive is enabled.

FUĴÎTSU	Model: Part Number: Serial Number:	PRIMEQU		Active:MMB#0
	Status:	Normal	•	
System Partners User	Administration Network		e	Logout
>Partition >Schedule >S	chedule Control		27	
Power Control				
Schedule	Schedu	le Control		Help
Schedule Control				
Schedule List	Select Sched	ale Control for each partiti	on then click the Apply button to take effect.	
Console Redirection S				
Partition Configuration		on Name Schedule Contro	Number of	
Reserved SB Configure	ation " Fuldu	Ar svane Schedule Condy	schedules	
Partition#0	0 hayash	i OOn ⊛Off	0	
Partition#1	1 take	OOn ⊙Off	0	
<	2		Apply Cancel	

FIGURE 1.48 [Schedule Control] Window

If the maintenance work (either Hot Partition Maintenance, Warm System Maintenance or Cold System Maintenance) of the targeted partition is executed in the schedule execution time, the scheduled operation does not execute the power operation of the partition.

If the schedule overlaps on the same day, it is processed according to the following priority levels.

Special > Monthly > Weekly > Daily

- Daily: Schedule executed every day
- · Weekly: Schedule executed every week
- Monthly: Schedule executed every month
- · Special: Schedule executed on specific day every year

Moreover, if the Power On and Power Off is specified at the same time, the priority is given to Power Off.

In case of Partition Operator, only the management target partition can be operated.

Because Partition does not do Power On in Power On Delay, Schedule Power Off is disregarded. Moreover, when OS does not accept the Shutdown demand, Power Off is not done.

TABLE 1.58 Display Items and Setting Items of [Schedule Control] Window

Items	Description	
#	Displays the number that identifies the partition (0~3).	
	However, only the partition to which SB/IOU is registered is displayed.	
Partition Name	Displays the partition name.	
Schedule Control	Sets whether schedule operation is done for every partition.	
	· On	
	· Off	
	Default setting is Off.	
Number of schedules	Displays the number of schedules that are set.	

TABLE 1.59 [Schedule Control] Window Buttons

Buttons	Description
Apply	When the [Apply] button is clicked, the schedule operation information for the specified partition
	is set.
Cancel	When the [Cancel] button is clicked, the browser returns to the original status without setting the
	schedule operation information for the partition.

(1) Menu Operation

[Partition] - [Schedule] - [Schedule Control]

- (2) Window Operations
- 1. Specifies whether schedule operation has to be carried out by Radio button for every partition.

2. Click the [Apply] button.

1.3.2.2 [Schedule list] Window

Up to 1000 instances of partition power On / Off schedule can be recorded in the [Schedule list] Window.

FIGURE 1.49 [Schedule List] Window

FUĴĨTSU	Model: Part Numb Serial Num Status:		MC:	MEQUI	XX	00E			 Active:MMB#0
System Partner User		twork Configuration							Logout
>Partition >Schedule >Sc		and the country of the second							
Power Control Schedule Schedule Control Schedule List Console Redirection Se Partition Configuration	Select	edule List a schedule then click Add button to add a				itten to ed	it or remo	we the schedule.	Help
Partition Configuration Reserved SB Configuration	ation	a Dealer Maria	Trees	Denter	π	Q. T	ORTH		
Partition#0	autor	# Partition Name 0 hayashi	Type	Pattern	Term	On Tune	Oll 1mg	e	
Partition#1		1 take	-	•				-	
		1 take	-	-	-	-	•		
<	>					Ad	S Edit (Remove Cancel	

Schedule will appear in the order of the partition number.

Partition, will appear in chronological order of the start date of the period.

If the partition and the start date are the same, the schedule appears in the sequence in which it is listed.

Remarks

If the Type is Weekly, the start date is considered to be "Oneday". Only the partition to be managed can be operated for Partition Operator.

Items	Description
#	Displays the number to identify the partition $(0~3)$.
	However, only the partition to which SB/IOU is registered is displayed.
Partition Name	Displays the partition name.
Туре	Displays the type of schedule set in the partition.
	Daily: Select when you want to execute every day
	Weekly: Select when you want to execute every week
	 Monthly: Select when you want to execute every month
	Special: Select when you want to execute on a particular day every year.
	If the schedule overlaps on the same day, it is processed according to the
	following priority order.
	Special > Monthly > Weekly > Daily
Pattern	Displays the schedule pattern corresponding to the type of the schedule.
	Days of week in Weekly (Sun ~ Sat)
	The period in Monthly
	The specific month and day in Special
Term	Displays the period of the schedule according to the type and the pattern of the
	schedule.
	 Daily: Starting month and date and ending month and date.
	Weekly: Starting month and ending month.
	Monthly: Starting month and ending month.
	Default setting is as follows
	Daily: From: Jan / 1 To: Jan / 1
	Note It is executed only on January 1.
	Weekly: From: Jan To: Jan
	Note It is executed only in January.
	Monthly: From: Jan To: Jan
	Note It is executed only in January.
On Time	Displays the time when the process of Power On is executed on the specified
	execution day. Time specifies 24 hours. Minute indicates the interval of 10
	minutes, as 00, 10, 20, 30, 40, and 50.
Off Time	Displays the time when the process of Power Off is executed on the specified
	execution day. Time indicates 24 hours. Minute indicates the interval of 10
	minutes, as 00, 10, 20, 30, 40, and 50.

TADLE 4.00 Display Items and Cat Items of [Cabadula List] M	lindovi
TABLE 1.60 Display Items and Set Items of [Schedule List] W	Indow

TABLE 1.61 [Schedule List] Window Buttons

Buttons	Description
Add	If [Add] button is clicked, [Add Schedule] window appears and the schedule can be added.
Edit	If [EDIT] button is clicked, [Edit Schedule] window appears and the schedule can be changed.
Remove	If [Remove] button is clicked, the selected schedule can be deleted.
Cancel	If [Cancel] button is clicked, the browser returns to the previous window.

(1) Menu Operation

[Partition] - [Schedule] - [Schedule List]

- (2) Window Operations
 - If the schedule is to be added newly
 - 1. Click [Add] button.
 - [Add/Edit Schedule] window appears.
 - 2. Add the schedule to the [Add/Edit Schedule] window. If the schedule is to be changed

 - 1. Select an existing schedule with [Radio] button.
 - 2. Click [Edit] button.
 - [Add/Edit Schedule] window appears.
 - 3. Changes an existing schedule in [Add/Edit Schedule] window.
 - If the schedule is to be deleted
 - 1. Select the schedule with [Radio] button.
 - 2. Click [Remove] button.
 - The confirmation dialog box appears.
 - 3. Click [OK] button.

Deletes the schedule.

[Message]

This section describes the messages to be displayed on this window.

Message Number	Message
I_00013	Setting completed.
E_00412	You need an empty entry.
W_00413	Nothing is selected.

For details on the messages displayed on the window, see PRIMEQUEST 2000 Series Message Reference (CA92344-0540).

1.3.2.3 [Add Schedule] window/ [Edit Schedule] window

In [Add Schedule] window, the schedule of Power On / Off for each partition, can be added newly. In [Edit Schedule] window, an existing schedule can be changed.

The window items of [Add Schedule] window and [Edit Schedule] window are common.

In this section, an explanation is given by using the [Add Schedule] window.

FIGURE 1.50 [Schedule List] Window

FUĴĨTSU	Model: Part Number: Serial Number: Status:	PRIMEQUEST2800E MCXXXXXXX Normal	-	Active:MMB#0
System Parition User Ada		onfiguration Maintenance		Logout
>Partition >Schedule >Sched				
Power Control Schedule Control Schedule Control Schedule List	Add Sch	edule n and input a schedule, then click the Apply button to tal	ce effect.	Help
 Console Redirection Setup 	F			
Partition Configuration	Partition #	10: hayashi 💌		
Reserved SB Configuration	n			
Partition#0 Partition#1	Type	Pattern	Term	
Partmon#1	() Daily	-	From: Jan 💌 1 💌 To: Jan 💌 1 💌	
	OWeekty	Sun Mon Tue Wed Thu Fri Sat		
	Monthly	From: 1 V To: 1 V	From Jan 👻 To: Jan 💌	
	O Special	The second	-	
	O opecia			
	On Tim	e Hour: 0 💌 Min: 0 💌		
		e Hour 0 V Min: 0 V		
		e riour: • • Mini •		
		[Austral]	Cancel	
	>	Apply	vancer	
N	2			

Items	Description
#	Displays the number to identify the partition (0~3).
	However, only the partition to which SB/IOU is registered is displayed.
Pattern	Select the partition to be added or edited.
	Default setting is the defined partition with the smallest number.
Туре	Select the types of schedule to be set in the partition.
	Daily: Select when you want to execute every day
	Weekly: Select when you want to execute every week
	Monthly: Select when you want to execute every month
	• Special: Select when you want to execute on a particular day every year.
	(The useful range of Special becomes only a specified day.)
	If the schedule overlaps on the same day, it is processed according to the
	following priority order.
	Special > Monthly > Weekly > Daily
	By default, it is not selected.
Pattern	Specify the schedule pattern corresponding to the types of the schedule.
	 Weekly : Day in a week (Sun ~ Sat)
	Monthly: Period in a month
	Special: Specified month
	Default settings are as follows.
	Day in a week: Not selected
	Period: From : 1 To: 1
	Specified date: Jan/1
Term	Specify the period of the schedule according to the type and pattern of the
	schedule.
	Daily: Starting month and date, and ending month and date
	 Weekly: Starting month and ending month
	Monthly: Starting month and ending month
	Default settings are as follows.
	Daily: From: Jan / 1 To: Jan / 1
	Weekly: From: Jan To: Jan
	Monthly: From: Jan To: Jan
On Time	On the specified execution date, set whether the power-supply is to be turned
	ON.
	If the power-supply is to be ON, set the time.
	Time is specified in24 hours. Minute specifies the interval of 10 minutes as 00,
	10, 20, 30, 40, and 50.
Off Time	Set whether the power-supply is OFF on the specified execution date.
	If the power-supply is OFF, set the time.
	Time is specified in 24 hours. Minute is specified in the interval of 10 minutes,
	as 00, 10, 20, 30, 40, and 50.

TABLE 1.62 Display Items and Set Items of [Add Schedule] Window

Buttons	Description
Apply	If the [Apply] button is clicked, the schedule information specified in each item is applied to the partition.
Cancel	If the [Cancel] button is clicked, returns to the original sate without applying the schedule information specified in each item.

[Message]

This section describes the messages to be displayed on this window.

Message Number	Message
I_00013	Setting completed.
W_00414	Invalid Date Format
W_00415	The duplicate On/Off Time is found.
W_00416	Both On/ Off Time are disabled.

For details on the messages displayed on the window, see *PRIMEQUEST 2000 Series Message Reference* (CA92344-0540).

1.3.3 [Console Redirection Setup] window

There are following windows in the [Console Redirection Setup] menu.

[IPv4 Console Redirection Setup] window

[IPv6 Console Redirection Setup] window

1.3.3.1 [IPv4 Console Redirection Setup] window

The IP address settings for accessing Console Redirection Setup of IPv4, subnet mask, video redirection and enable/disable settings of virtual media can be done in the [IPv4 Console Redirection Setup] window.

In the Extended Partitioning mode, the background color of Physical Partition having Enable setting is displayed in scarlet and the operations are restrained.

The background color of the Extended Partition to which VGA/USB2/rKVMS is not allocated, is displayed in gray and the operations are restrained.

FUJITSU	Model: Part Number: Serial Number: Status:		Number: MCXXXXXXX al Number: us: Warning			Active:MMB#0		
System Partition User Adm >Partition >Console Redirecti			guration Maintenance				Logout	
 Power Control Schedule Console Redirection Setup IPv4 Console Redirectio IPv6 Console Redirectio Partition Configuration Partition#2 xPAR Configur 	n S Clic n S Not part	Pv4 Console k the Apply Buttor	e Redirection Set n to apply all changes. Redirection and Virtual Me		A/USB2/rKV	'MS must be	Help connected to the	
Reserved SB Configuration Partition#0		# Partition Name	e IP Address	Subnet Mask	Video Redirection	Virtual Media		
Partition#1 Partition#2		0 free	10 . 24 . 76 . 50	255 . 255 . 255 . 0	⊙ Enable ○ Disable	⊙ Enable ○ Disable		
Partition#3 Partition#4		1 free	10 . 24 . 76 . 51	255 . 255 . 255 . 0	 ⊙ Enable ○ Disable 	⊙ Enable ○ Disable		
Partition#8 Partition#11		2 FAE	10 . 24 . 76 . 52	255 . 255 . 255 . 0	Enable	 Enable Disable 		
		3 free	10 . 24 . 76 . 53	255 . 255 . 255 . 0	 Enable Disable 	⊙ Enable ○ Disable		
		4 xPAR#4	10 . 24 . 76 . 68	255 . 255 . 255 . 0	© Enable O Disable	 Enable Disable 		
	Ī	8 xPAR#8	0.0.0.0	255 . 255 . 255 . 255	Feeble	© Enable ③ Disable		
	ľ	11 xPAR#11	10 24 76 75	255 255 255 0	⊙ Enable	⊙ Enable		
(<u> </u>	>			Apply Cancel				

FIGURE 1.51 [IPv4 Console Redirection Setup]

TABLE 1.64 Display Items and Set Items of [IPv4 Console re	edirection Setup] Window

Items	Description
#	Displays the number for identifying the Partition.
	0~11 Partitions exist.
Partition Name	Displays name given to the Partition.
IP Address	Enters the IP address for the Console Redirection of the partition. Specify an IP
	address of the same segment as the virtual IP address used to access the MMB
	Web-UI (see "1.5.2 [Network Interface] Menu"). Note that this IP address must be
	different from that virtual IP address.
	Default is 0.0.0.0.
Subnet Mask	Enters the subnet mask for the Console Redirection IP of the partition.
	Default is 255.255.255.
Video Redirection	Sets whether video redirection can be used.
	Enable: Video redirection can be used.
	Disable: Video redirection cannot be used.
	Default is Disable.
	Video Redirection is not possible to use it even if set to Enable that VGA/USB2 is
	not allocated for Extended Partition.
Virtual Media	Sets whether virtual media can be used.
	Enable: Virtual media can be used.
	Disable: Virtual media cannot be used.
	Default is Disable.
	Virtual Media is not possible to use it even if set to Enable that VGA/USB2 is not
	allocated for Extended Partition.

TABLE 1.65 [IPv4 Console redirection Setup] Window Buttons

Buttons	Description
Apply	When [Apply] button is clicked, video redirection, virtual media settings of the specified Partition are applied.
Cancel	When [Cancel] button is clicked, video redirection, virtual media settings are not applied and it returns to the original state.

(1) Menu Operation

[Partition] - [Console Redirection Setup] - [IPv4 Console Redirection Setup]

(2) Window Operations

- 1. IP address and the subnet mask are entered and it is set whether video redirection, virtual media can be used.
- 2. [Apply] button is clicked.

[Message]

This section describes the messages to be displayed on this window.

Message Number	Message			
W_00432	Invalid IP Address specified			
W_00433	The duplicate IP address was found.			
I_00539	The settings for the Console Redirection IP are changed. All existing network connections about this settings will be lost. You will need to login again. If you want to continue, please click OK button. If not, click Cancel button. Are you sure?			
W_00595	It is IP address that duplicates with MMB IP address.			
W_00597	A subnet differs from MMB IP address.			
	When you change a setup of Console Redirection IP address or you change a			
	subnet, please change MMB IP address first.			

1.3.3.2 [IPv6 Console Redirection Setup] window

The IP address settings for accessing Console Redirection LAN of IPv6, prefix length settings, video redirection and enable/disable settings of virtual media can be done in the [IPv6 Console Redirection Setup] window.

In the Extended Partitioning mode, the background color of the Physical Partition which works in Enable settings, is displayed in gray and the operations are restrained.

The background color of Extended Partition to which VGA/USB2/rKVMS is not allocated is displayed in gray and the operations are restrained.

In case of automatic settings, when [Auto] button is clicked, IP address, prefix length are automatically acquired.

	บ)๊ทรบ	Seria Statu	Number: Il Number: Is:	PRIMEQUEST 2800E MCXXXXXXX			8	Active:M	
Syste	em Partition User Admin ition >Console Redirection			adirection Maintenance					Logout
 Po Sc Cc Cc Pa 	wer Control hedule onsole Redirection Setup IPv4 Console Redirection IPv6 Console Redirection ritition Configuration ritition#2 xPAR Configurat	II S Clic S No par	Pv6 Console	Redirection Setup to apply all changes. Redirection and Virtual Media in xPAR Partitio	on, VGA/USB2	2/rKVMS m	1st be connect	ed to the	Help
🖸 Re	served SB Configuration rtition#0		# Partition Name	IP Address	Prefix Length	Video Redirection	Virtual Media		
🗄 Pa	rtition#1 rtition#2		0 free		0	⊙Enable ⊙Disable	⊙ Enable ⊙ Disable		
🗄 Pa	rtition#3 rtition#4 rtition#8		1 free		0	⊙Enable ⊙Disable	⊙ Enable ⊙ Disable		
	rtition#11		2 FAE		0	EnableDisable	 Enable Disable 		
			3 free		0	⊙Enable ⊙Disable	⊙ Enable ⊙ Disable		
			4 xPAR#4		0	○ Enable	EnableDisable		
			8 xPAR#8	<u></u>	0	○ Enable● Disable	 Enable Disable 		
<	.)		11 xPAR#11	Apply Can	cel	○ Enable	○ Enable		

FIGURE 1.52 [IPv6 Console Redirection Setup] Window

TABLE 1.66 Display Items and Set Items	s of [IPv6 Console redirection Setur	o] Window
----------------------------------------	--------------------------------------	-----------

Items	Description
#	Displays the number for identifying the Partition.
	0~11 Partitions exist.
Partition Name	Displays the name given to the Partition.
IP Address	Enters the global address for IPv6 which can be connected.
	In case of automatic acquisition, the acquired IP Address is displayed.
Prefix Length	Enters the prefix length for IPv6.
	In case of automatic acquisition, the acquired prefix length is displayed.
Video Redirection	Sets whether video redirection can be used.
	Enable: Video redirection can be used.
	Disable: Video redirection cannot be used.
	Default is Disable.
	Video Redirection is not possible to use it even if set to Enable that VGA/USB2 is
	not allocated for Extended Partition.
Virtual Media	Sets whether the virtual media can be used or not.
	Enable: Virtual media can be used.
	Disable: Virtual media cannot be used.
	Default is Disable.
	Virtual Media is not possible to use it even if set to Enable that VGA/USB2 is not
	allocated for Extended Partition.
Automatic acquisition	When IPv6 address is automatically acquired, the "Auto" button is clicked. IP
	address and prefix length are automatically acquired and overwritten.

TABLE 1.67 [IPv6 Console redirection Setup] Window Buttons

Buttons	Description
Auto	When you Click [Auto] button IP address and prefix length is automatically displayed.
Apply	When you click the [Apply] button, video direction of the specified partition, virtual media setting is applied.
Cancel	When you click the [Cancel] button, virtual media setting, video redirection is not applied and it returns to the original state.

(1) Menu Operation [Partition] - [Console Redirection Setup] - [IPv6 Console Redirection Setup]

- Window Operations Input the IP address, prefix length and sets whether video redirection and virtual media should be used. Click the [Apply] button. (2) 1.
- 2.

[Message]

This section describes the messages to be displayed on this window.

Message Number	Message
W_00432	Invalid IP Address specified
W_00433	The duplicate IP address was found.
I_00539	The settings for the Console Redirection IP are changed. All existing network connections about this settings will be lost. You will need to login again. If you want to continue, please click OK button. If not, click Cancel button. Are you sure?
W_00595	It is IP address that duplicates with MMB IP address.
W_00597	A subnet differs from MMB IP address.
	When you change a setup of Console Redirection IP address or you change a
	subnet, please change MMB IP address first.

1.3.4 [Partition Configuration] Menu

The SB and IOU which configure the partition can be set on [Partition Configuration] window.

In case of PRIMEQUEST 2400E3/2400E2/2400E model, only 0 and 1 are displayed for partition.

Attention of operation

Do not start two or more Web screen when you change Extended Partitioning and change on a single Web screen.

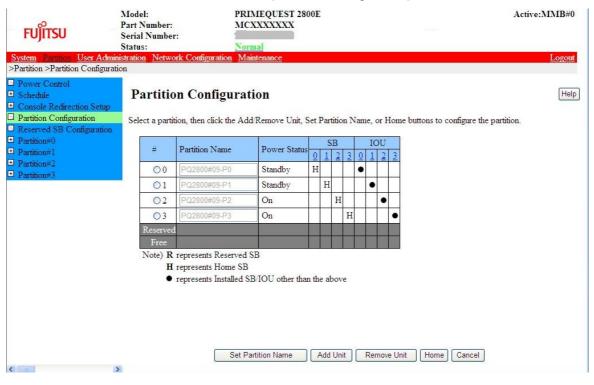


FIGURE 1.53 [Partition Configuration] Window

PRIMEQUEST 2800E Model: Active:MMB#1 Part Number: MCF3AC111 FUITSU Serial Number: Status: >Partition >Partition Configuration 1 **Partition Configuration** E Schedule Help Console Redirection Setup IPv4 Console Redirection Se Select a partition, then click the Add/Remove Unit, Set Partition Name, or Home buttons to configure the partition. IPv6 Console Redirection S Partition Configuration Extended Parti SB IOU Partition#1 Extended Partition Partition#2 Extended Partition Partition Name # Power Status 1 2 1 2 3 4 5 6 7 8 9 10 11 • 0 Partition#3 Extended Partition 01 Standby Н • . Reserved SB Configuration Power Management Setup 02 • Standby Н • Partition#1 03 On • • Н Partition#2 Partition#3 Partition#4 Note) R represents Reserved SB E Partition#10 E Partition#1 H represents Home SB • represents Installed SB/IOU/Extended Partitioning other than the above Set Partition Name Add Unit Remove Unit Home Cancel < >

FIGURE 1.54 [Partition Configuration] Window (When Extended Partitioning Mode is enable)

For the series of SB and IOU which are not installed, the background color is displayed in the gray.

Select the set partition by using the left radio button, and select the button corresponding to set process from [Add Unit], [Remove Unit] and [Home].

"Unit" of Add Unit, Remove Unit button means SB, IOU or Extended Partitioning.

If SB/IOU link is clicked, [SB#x] window, [IOU#x] window are displayed respectively.

If the maintenance mode (Hot Partition Maintenance, Warm System Maintenance or Cold system Maintenance) is set, only the user (Maintenance person, Administrator privilege) who sets the maintenance mode can operate this mode. If the partition is selected other than the maintenance target, a message is displayed and operation is disabled.

Items	Description
#	It displays the number for identifying the partition.
	Exists up to 0~11 Partition.
	The Extended Partition is added to the display.
	SB/IOU which does not belong to the partition is displayed as follows.
	Reserved: Reserved SB
	Free: Free SB/IOU/Extended Partitioning
Partition Name	Displays/sets the name attached to the partition.
	The name can be entered up to 16 characters.
	It is possible to use alphanumeric characters, single bytes spaces, # (Sharp), _
	(Underline), - (Hyphen) in the Partition Name.
	By default, there are no settings.
Power Status	Displays the Power status of the partition
	· On
	Standby
SB	Displays the partition to which the SB belongs.
IOU	Displays the partition to which the IOU belongs.
Extended Partitioning	Displays the partition to which the Extended Partitioning belongs.

TABLE 1.68 Display Items and Set Items of [Add Schedule] Window

TABLE 1.69 [Partition Configuration] Window Buttons

Buttons	Description
Set Partition Name	Sets the name in the partition.
Add Unit	Displays the [Add Unit] window for incorporating the unit.
Remove unit	Displays the [Remove Unit] window for deleting the unit.
Home	Displays the [Partition Home] window for setting the Home of Partition.
Cancel	Returns to original status without setting the information.

[Message]

This section describes the messages to be displayed on this window.

Message Number	Message
I_00217	Unable to set Partition Name of Partition#%aa because this partition is under
	maintenance.
I_00218	Unable to add SB/IOU/Extended Partitioning to Partition#%aa because this partition
	is under maintenance.
I_00219	Unable to remove SB/IOU/Extended Partitioning from Partition#%aa because this
	partition is under maintenance.
I_00220	Unable to set Home on Partition#%aa because this partition is under maintenance.
I_00427	Select a partition.
I_00429	The partition is not defined.
W_00428	Only the alphanumeric character can be input to Partition Name area.
W_00575	Unable to change partition configuration because this partition is powered on.

For details on the messages displayed on the window, see *PRIMEQUEST 2000 Series Message Reference* (CA92344-0540).

The operation method in the [Partition Configuration] window is described as follows.

1.3.4.1 [Set Partition Name] Button

The partition name is entered in each cell of [Partition Name], and when [Set Partition Name] button is clicked, the name for each partition is set.

1.3.4.2 [Add SB/IOU to Partition] Window

When the partition is selected by using radio button of [Partition Configuration] window and when [Add Unit] button is clicked, [Add SB/ IOU to Partition] window appears.

FIGURE 1	.55 [Add SB	/IOU to P	artition] W	/indow

FUJITSU System Partition User Admi	Model: Part Number: Serial Number: Status: nistration Network Con		MEQUEST 2800E F3AC111 Varning intenance	Active:MMB#0
>Partition >Partition Configuration	tion			
Power Control Schedule Console Redirection Setup Partition Configuration Reserved SB Configuration	Add SB/IOU Select an SB or IOU		ition partition #0, then click the Apply Button.	Help
Power Management Setup	Free SB/IOU	Status	Note	
Partition#0	○ SB#1	OK	Number of CPUs = 2, Memory = 32 GB	-
	○ SB#2	OK	Number of CPUs = 2. Memory = 64 GB	_
	○ SB#3	OK	Number of CPUs = 2, Memory = 32 GB	
	⊖IOU#0	OK	Number of PCI-Express Slots = 4	
	⊖IOU#1	OK	Number of PCI-Express Slots = 3	
	⊖IOU#2	OK	Number of PCI-Express Slots = 4	
	⊖IOU#3	OK	Number of PCI-Express Slots = 3	
			Apply Cancel	

FIGURE 1.56 [Add SB/IOU/ Extended Partitioning to Partition] Window (When Extended Partitioning Mode is enable)

FUĴITSU	Part Number: MC Serial Number: Status: Non			Active:MMB#1
	nistration <u>Network Configuration</u> Mai	ntenance		Logout
>Partition >Partition Configurat	hon			
Power Control		1 1 0	· · · · · · · · ·	
Schedule	Add SB/IOU/Exten	ded Partitio	ning to Partition	Help
Console Redirection Setup				
 IPv4 Console Redirection IPv6 Console Redirection 	Sciect all SD of 100 of Extended	Partitioning to add	to the partition #3, then click the Apply Button.	
Partition Configuration			37	
Partition#1 Extended Partitio	Free SB/IOU/Extended Partit	5	Note	
Partition#2 Extended Partitio	O SB#0	OK	Number of CPUs = 2, Memory = 64 GB	
Partition#3 Extended Partitio	O IOU#0	OK	Number of PCI-Express Slots = 4	
Reserved SB Configuration	O Extended Partitioning#5	OK		
Power Management Setup	O Extended Partitioning#6	OK		
Partition#1	O Extended Partitioning#7	OK		
Partition#2	O Extended Partitioning#8	OK		
Partition#3	O Extended Partitioning#9	OK		
Partition#4				
Partition#10				
Partition#11				
			Apply Cancel	
	>			

Remarks

Radio button is attached for the display of each Free SB, IOU and Extended Partitioning, and it is not possible to select more than one at the same time.

In case of PRIMEQUEST 2800E3/2800E2/2880E model, check whether SB in which one CPU can be mounted, is not mounted in the partitions of two or more SBs.

- Only when one partition is configured by one SB, one CPU can be mounted for one SB.
- When one partition is configured by multiple SBs, it is mandatory to mount two CPUs for each SB in the partition.

When Memory Scale-up Board is built into the partition, it is necessary to build one or more SB into the partition.

If the maintenance mode (Hot Partition Maintenance, Warm System Maintenance or Cold system Maintenance) is set, only the user (Maintenance person, Administrator privilege) who sets the maintenance mode can operate this mode.

In case of the partition other than the maintenance target, a message is displayed and operation is not possible.

The addition of Memory Scale-up Board to Partition that Dynamic Reconfiguration Mode is effective cannot be set by warning Dialog box being displayed.

TABLE 1.70 Display Items and Set Items of [Add SB/IOU to Partition] Window

Items			Description	
Free SB/IOU/Extended Partitioning		titioning	Displays the SB/IOU/ Extended Partitioning in the free status (Status which does not belong to any partition)	
Status			Displays the status of the SB/IOU/Extended Partitioning.	
Note	SB	Number of CPUs Memory	Displays the number of CPU mounted on the SB. This item is not displayed for Memory Scale-up Board. Displays the amount of memory mounted on the SB.	
	IOU	Number of PCI-Express slots	Displays the number of PCI-Express slots of the IOU.	
	Extended Partitioning	There is no disp	lay.	

(1) Menu Operation

[Partition] - [Partition Configuration] - [Add Unit] button

- Window Operations (2)
- Select the SB or IOU to be incorporated in the partition, and then click the [Apply] button. 1. A confirmation dialog box appears.
- 2.
- Click [OK] button. The SB or IOU will be incorporated.
- Click the [Apply] or [Cancel] button. 3. Return to [Partition Configuration] window.

[Message]

This section describes the messages to be displayed on this window.

Message Number	Message
E_00045	Free node doesn't exist.
E_00110	Failed to add the SB, IOU or Extended Partitioning to the partition.
E_00112	Unable to add the specified SB#%aa to the partition due to CPU mismatch between SBs.
E_00424	Unable to add the specified SB to the partition due to CPU composition abnormal.
E_00425	Unable to add the specified SB to the partition due to DIMM composition abnormal.
E_00490	Unable to add the specified SB to the partition due to DIMM does not satisfy requirements of Mode.
W_00505	Unable to set configuration because the power on/off is processing. Please execute it after a while again.
E_00519	Unable to add the specified SB to the partition due to SB composition abnormal.
W_00593	Unable to add the specified SB to the partition due to Dynamic Reconfiguration Mode.

For details on the messages displayed on the window, see PRIMEQUEST 2000 Series Message Reference (CA92344-0540).

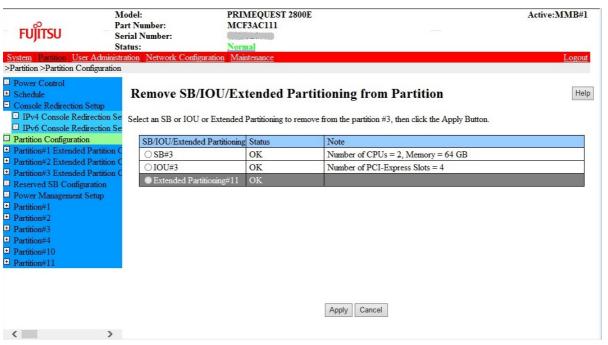
When multiple errors are detected, multiple errors are displayed in the dialog box.

1.3.4.3 **[Remove SB/IOU from Partition] Window** Select the partition by using radio button of [Partition Configuration] window, and when [Remove Unit] button is clicked, [Remove SB/ IOU from Partition] window appears.

FUĴĨTSU	Model: Part Number: Serial Number: Status:	MCXX		Active:MMB#0
System Partition User >Partition >Partition Con	Administration Network Confi	guration Mainter	Bance	Logout
Power Control Schedule Console Redirection 5 Partition Configuration Reserved SB Configu	Remove SE		n Partition m the partition =0, then click the Apply Button.	Help
Partition#0	SB/IOU	Status	Note	
Partition#1	O SB#0	OK	Number of CPUs = 2, Memory = Unknown	
	OIOU≠3	OK	Number of PCI-Express Slots = 2	

FIGURE 1.57 [Remove SB/IOU from Partition] Window

FIGURE 1.58 [Remove SB/IOU/ Extended Partitioning from Partition] Window (When Extended Partitioning Mode is enable)



When maintenance mode (Hot Partition Maintenance, Warm System Maintenance, or Cold System Maintenance) is set, only the user (Maintenance person, Administrator privilege) who sets the maintenance mode can operate this mode.

If the partition is selected other than the maintenance target, message is displayed and operation is not possible.

Items			Description
SB/IOU/Extended Partitioning			Displays SB which belongs to partition
Status			Displays the status of SB/IOU/Extended Partitioning.
Note	SB	Number of	Displays the number of CPUs mounted on the SB.
		CPUs	This item is not displayed for Memory Scale-up Board.
		Memory	Displays the amount of memory mounted on the SB.
	IOU	Number of PCI-Express slots	Displays the number of PCI-Express slots of the IOU.
	Extended Partitioning	There is no disp	lay

TABLE 1 71 Dicolos	Items and Set Items of	[Pamova SR/IOLL to	nartition1 Window
TADLL I.I I Display	I ILEITIS AND SEL ILEITIS UI		

(1) Menu Operation

[Partition] - [Partition Configuration] - [Remove Unit] button

- (2) Window Operations
- 1. Select the SB or IOU which is to be removed from the partition and click the [Apply] button. Confirmation dialog box is displayed.
- 2. Click [OK] button.
 - SB or IOU is removed.
- 3. Click the [Apply] or [Cancel] button. Back to [Partition Configuration] window.

[Message]

•

section describes the messages to be displayed on this window.						
	Message Number	Message				
	E_00022	The partition doesn't have a node.				
	E_00111	Failed to remove the SB, IOU or Extended Partitioning from the partition.				
	W_00505	Unable to set configuration because the power on/off is processing.				

This section describes the messages to be displayed on this window

For details on the messages displayed on the window, see PRIMEQUEST 2000 Series Message Reference (CA92344-0540).

1.3.4.4 [Partition Home] window

If you select the partition using the radio button on the [Partition Configuration] window and click the [Home] button, [Partition Home] window is displayed.

Model: PRIMEOUEST 2800E Active:MMB#0 Part Number: MCXXXXXXX FUITSU Serial Number: SWBG09 Status: User Adı >Partition >Partition Configuration ower Control **Partition Home** 🗄 Schedule Help E Console Redirection Setu Partition Configuration Select a Home SB for the partition #3, then click the Apply Button. Reserved SB Configuration Partition#0 Home SB Partition#1 SB Status Partition#2 SB#3 SB#3 OK E Partit Apply Cancel >

FIGURE 1.59 [Partition Home] window

Select the SB which is considered as the Home SB, by using the radio button. 1. When SB (Memory Scale-up Board is excluded) which is set as Home SB is not mounted, the background color is displayed in gray. You can switch from the selected radio button on a graved row to a radio button on a row that is not grayed. However, if the selection on the row displayed in gray is removed once, it is not possible to select the original radio button again. When the Home SB is not set, the SB (Memory Scale-up Board is excluded) which is initially installed in the partition by default is considered as the Home SB. However, when the Home SB is removed and degenerated, SB (Memory Scale-up Board is excluded) with smallest number is the Home SB. 2. Click the [Apply] button. Confirmation dialogue box is displayed. Click the [OK] button when you want to continue the processing. 3 Click the [Cancel] button when you want to cancel the processing. Click the [Apply] or the [Cancel] button. 4 Return to [Partition Configuration] window.

When the [Apply] button is clicked and the power supply of the target partition is ON, change of [Home] is not possible. A warning dialogue box is displayed.

[Message]

This section describes the messages to be displayed on this window.

Message Number	Message
E_00022	The partition doesn't have a node.
W_00423	The partition home cannot be changed while the partition is running.
	Please try to change the partition home after the partition is shutdown.

For details on the messages displayed on the window, see *PRIMEQUEST 2000 Series Message Reference* (CA92344-0540).

1.3.5 [Partition #x Extended Partition Configuration] Menu

[Partition #x Extended Partition Configuration] Menu consists of [SB], [IOU] and [PCI_Box] windows. Explanation regarding windows and operations are given here.

Partition #x Extended Partition Configuration menu is displayed when the Extended Partitioning mode of Physical Partition is set to Enable in Partition ->Partition#x -> Mode. The configuration of Extended Partition can be changed.

Attention of operation

- Do not do the configuration change (setting) in Power On of Partition.
- Do not start two or more Web screens when you change Extended Partitioning and change on a single Web screen.

1.3.5.1 [SB] window

The resource allocation setting window of SB related to Extended Partition is displayed; when Partition#x Extended Partition Configuration -> SB Menu is selected.

Click the "Apply" button after various setting changes.

FIGURE 1.60 [Extended Partition Configuration of SB Resources] Window (1)

FUJITSU	Iodel: art Number erial Numbe tatus:	: M	RIMEQUES CF3AC111 ormal		00E								Active:MMB#	1
System Partition User Administ >Partition >Partition#2 Extended			laintenance										Logou	<u>at</u>
 Power Control Schedule Console Redirection Setup Partition#1 Extended Partition (Partition#2 Extended Partition (SB IOU#2 Partition#3 Extended Partition (Reserved SB Configuration Power Management Setup Partition#1 Partition#3 Partition#3 Partition#4 	Exten Specify Pa DIMM +// box. To se After chan Note: Only 1.USB1 Onboa 2.VGA/	ded Partition ritiion Name, Number - buttons), or select ra dect SKT Binding opti ging configurations, cli y home SB has the foll	r of CPU C(dio buttons (ion, check "S ick "Apply" 1 lowing hardw (0, #1) arable)	ORE (of oth SKT I buttor	(directly or er SB reson Binding" cha L esources to	by clia arces. eck bo	cking SKT + To select Dl ox. onfigured to l	-/- bu IMM	uttons), N I EXCL o	option,	check the			^
 Partition#10 Partition#11 					CPU		Memory			Home	SB	SB#2		
	#	Partition Name	Power Status	S K T	CORE	D I M M	GB	E X C L	SVI	USB1	VGA/ USB2/ rKVMS	PCI Slot		~
	_	1			A	pply	Cancel							

FUĴĨTSU	Model: Part Numbe Serial Numl Status:	r: M ber:	RIMEQUES ICF3AC111	ST 28	00E								Active:MMB#1
System Partition User Ad >Partition >Partition#2 Exte	ministration Net		Maintenance										Logout
Partition 2 Autority	Extern Note: Or tion C tion C tion C 2.VGA	nded Partitio	llowing hardv #0, #1) parable)	vare r	esources to	be co	onfigured to I	Exter	nded Part	titioning			Help
Power Management Setu					CPU		Memory			Home	SB	SB#2	
Partition#1 Partition#2 Partition#3 Partition#4	#	Partition Name	Power Status	S K T	CORE	D I M M	GB	E X C L	SKT Binding		VGA/	PCI	
Partition#10 Partition#11	4		Standby	+	15	+	32			۲	۲	۲	
	Fre	•			15		14			•	•	•	
<	>				A	pply	Cancel						

FIGURE 1.61 [Extended Partition Configuration of SB Resources] Window (2)

Input the Partition Name for Extended Partitions. Then, click the [Apply] button. The name of the specified Partition appears.

You can directly input the CPU core number to be allocated for Extended Partitions or you can set the CPU core number in Socket unit by clicking CPU SKT +/- button. Then, click the [Apply] button. Allocated CPU Core Number for specified Partition appears.

To manage the commonness part independently without influencing the performance of Extended Partition, the Extended Partition firmware occupies one core.

Therefore, the number of CPU cores that can be allocated in Extended Partition becomes a number in which one is subtracted from the number of all CPU cores of Physical Partition that become parents of Extended Partition.

You can directly input the memory to be allocated in GB unit for Extended Partitions or can set the Memory GB number in the memory group(two DIMMs with maximum capacity in the Extended Partition) unit by clicking Memory DIMM +/- button. Then click the [Apply] button. The allocated memory for the specified Partition appears.

Check the Memory EXCL check box for one or multiple Partitions. Then, click the [Apply] button. DIMMs are exclusively allocated and physical DIMMs are not shared by other Extended Partitions.. Although exclusive control of memory is performed by the total memory capacity under a CPU, memory capacity which can be used by OS is the capacity specified by the GB unit.Check the SKT Binding check box for Extended Partitions. Then, click the [Apply] button. CPU and Memory are assigned from some two CPU Sockets and DIMM under those CPUs for the checked Partition.

Select the radio button to allocate USB1, VGA/USB2/Remote KVMS and PCI Slot. Then, click the [Apply] button. Source for specified Partition allocates.

To recommend the user operation that does not allocate VGA/USB2/rKVMS when VGA/USB2/rKVMS is changed, message dialog (I_00604) is displayed.

Allocation is not possible when CPU CORE and Memory GB become Free or 0.

There is a limitation in the setting when multiple Extended Partition exist on the same physical partition. Only the setting change of Partition Name is possible in the Extended Partition in Power On. The setting changes other than Partition Name are possible in the Extended Partition in Power Off.

You can change the Partition Name only when the relevant partition is Physical Partition and under maintenance. Error message is displayed if you change anything except the Partition Name.

If you click 'Cancel' button, process is cancelled and the changes for contents are discarded. After you click Apply or Cancel button, the browser returns to Partition Configuration page. Degenerated CPU core and Memory decrease from Free and are displayed. When the resource that exceeds the total of Free is degenerated, Free is displayed as 0. In this case, the resource is allocated from Extended Partition that the number is the smallest by priority. Therefore, the resource actually allocated is decreased in the partition with large number.

Memory allocated in Extended Partition decreases when Memory Operation Mode is changed in either of "Partial Mirror Mode", "Full Mirror Mode" or "Spare Mode" state after the memory is allocated in Extended Partition in the state of "Normal Mode" or "Performance Mode". Therefore, the resource actually allocated is decreased in the partition with large number. In this case, set it again after setting the allocation to 0 once.

The memory capacity that increases and decreases automatically with the "Memory DIMM +/-" button is different according to operating Memory Operation Mode. The allocation granularity that increases and decreases in each Mode is as follows.

Memory Operation Mode	SMI Channel Mode	DIMM Error Isolation	Allocation granularity of Memory (*)	remarks
Performance Mode Normal Mode (Default)	Independent Mode Lockstep Mode	DIMM 1 piece DIMM 2 pieces	As much as two capacity of DIMM in the maximum capacity in Partition.	The total capacity that can be allocated is a value in which 2GB is pulled from actual capacity.
Partial Mirror Mode	_			The total capacity that can be allocated with Home SB is a value in which 2GB is pulled from the value in which the memory capacity installed in non- Home SB is added to the half of the memory capacity installed in Home
Full Mirror Mode				SB. The total capacity that can be allocated is a value in which 2GB is pulled from the half of actual capacity.
Spare Mode				The total capacity that can be allocated is a value in which 2GB is pulled from 2/3 of the actual capacity.
				Install DIMM of the same capacity with all Channel when you use Extended Partition in the Spare mode.

TABLE 1.72 Allocation granularity of Memory by Memory Operation Mode

* For the DIMM can not be used DIMM fractional occurs by mixed of DIMM, it is recommended that you not mix DIMM When Memory EXCL is enabled.

* The total capacity of Memory that can be allocated in Extended Partition decreases to the extent that used because Extended Partitioning Firmware uses 2GB in Memory.

The total capacity of Memory that can be allocated in the partition reaches the value pulled from actual capacity by 4GB so that the firmware of Extended Partition may use the memory of 4GB when Address Range Mirror Mode is used.

TABLE 1.73 Display Items and Set Items of [Extended Partition Configuration of SB Resources] Window

	–
Items	Description
#	Shows the number required for identifying the Extended Partition.
	Shows only the Extended Partitioning number allocated in the Physical Partition.
Partition Name	Displays and sets the name of Extended Partition.
	Up to 16 characters can be entered for the Name.
	It is possible to use the alphanumeric characters, single byte spaces, # (Sharp), $_$
	(Underline), - (Hyphen) in the Partition Name.
	(Remarks)
	It is easy to understand with the same name as the Host Name set on the
	operating system.
	Default value: Default value of the Partition Name is not set.
Power Status	Displays the Power supply status of the partition
	· On
	· Standby
CPU (SKT)	Displays the button by which CPU Core allocated in Extended Partition is
	increased or decreased by Socket unit.
	 "+" increases the value of the CPU Core by the CPU Socket unit.
	 "-" decreases the value of the CPU Core by CPU Socket unit.
CPU (CORE)	Displays and sets the number of CPU Cores that are allocated in Extended
	Partition.
Memory (DIMM)	Displays the button by which Memory allocated in Extended Partition is increased
	or decreased by DIMM group unit.
	 "+" increases the value of Memory GB by DIMM group unit.
	 "-" decreases the value of Memory GB by DIMM group unit.
Memory (GB)	Displays and sets the GB of memory that was allocated to the Extended Partition.
Memory (EXCL)	Sets DIMM Exclusive Allocation mode.
	At the time of failure, in order to limit the extent of impact to one Partition, the
	Option is selected, which exclusively allocates the DIMM for Extended Partitioning.
	When this Option is selected, and when the value specified in the Memory GB is
	less than the capacity of the DIMM group unit, the capacity that is rounded to the
	DIMM group unit will be allocated. However, only the specified capacity is shown
SKT Binding	
SKT Binding	Sets CPU Socket Binding mode.
	CPU and Memory resources are allocated only from a DIMM which exists under a
	certain two CPU Sockets, since it is corresponding to the licensed software which
	is charged according to the number of CPU Sockets (Partition not exclusive).
	When this option is selected and when the value specified by the CPU Core or
	Memory GB exceeds the actual resource, only the actually existing resources are
	allocated.
HOME SB (USB1)	Displays the Extended Partition to which the USB1 of the Home SB (Onboard USB
	Port #0/1) belongs and sets it.
	Displays the Extended Partition to which, VGA/USB2/rKVMS (Onboard VGA Port,
SB(VGA/USB2/rKVMS)	Onboard USB Port#2/3, Remote KVMS of Home SB) belongs and sets it.
SB#x (PCI Slot)	Displays the Extended Partition to which, PCI Slot(SB RAID) of SB#x belongs and
	sets it.
Free	Displays the resource not allocated in any Extended Partition

When the Extended Partitioning number is not allocated on Partition->Partition Configuration window, following window is displayed.

FIGURE 1.62 [Extended Partition Configuration of SB Resources] no Extended Partitioning window

FUĴÎTSU	Model: Part Number: Serial Number: Status:	PRIMEQUEST 2800E MCF3AC111 Normal	Active:MMB#1
	Administration Network Confi ttended Partition Configuration		Logout
 Power Control Schedule Console Redirection Se Partition Configuration Partition#1 Extended P 	E 00546 The partition	artition Configuration of SB Resources	Help
 SB IOU#1 Partition#2 Extended P Partition#3 Extended P 	artition C artition C		
 Reserved SB Configura Power Management Se Partition#1 Partition#2 Partition#3 			
 Partition#3 Partition#4 Partition#10 Partition#11 			
<	>	Apply Cancel	

(1) Menu Operation

[Partition] - [Partition#n Extended Partition Configuration] - [SB] button

- (2) Window Operations
- When there is change in "Partition Name", change in "CPU CORE" and "Memory GB" allocation, change in "Memory EXCL" and "SKT Binding" option, change in "USB1", "VGA/ USB2/ Remote KVMS", "PCI Slot" allocation, click the [Apply] button after changing each setting. And then, confirmation dialog box appears.
- 2. Click the [OK] button. The allocation of the resource is changed.
- 3. Click the [Apply] or [Cancel] button. Return to [Extended Partition Configuration of SB Resources].

[Message]

This section describes the messages to be displayed on this window.

Message Number	Message								
E_000544	Unable to change Extended Partitioning Configuration to Partition#%aa because this								
	partition is under maintenance.								
W_00545	Unable to change Extended Partitioning Configuration to Partition#%aa because this								
partition is power on.									
W_00589	Unable to change Resources, because this partition is powered on.								
I_00604	Setting completed.								
	III CAUTIONIII								
	Assignment of "VGA/USB2/rKVMS" cannot be changed if the Extended Partition is								
	powered on.								
	Please release "VGA/USB2/rKVMS" after the operation.								
	Note:								
	"IP Address", "Video Redirection" and "Virtual Media" for all Extended Partitions must								
	be enabled in "Partition -> Console Redirection Setup" menu.								

For details on the messages displayed on the window, see *PRIMEQUEST 2000 Series Message Reference* (CA92344-0540).

1.3.5.2 **[IOU] window**

When you select Partition#x Extended Partition Configuration ->IOU# page, resource allocation set window of the IOU to Extended Partition is displayed.

FUITSU System Partition User Ad	Model: Part Numbe Serial Num Status: ministration Net	ber:	MCF3		ST 2800H	2							Active:MMB#1			
 Partition >Partition#1 External Power Control Schedule Console Redirection Sett Partition Configuration Partition#1 Extended Partition#1 	p Select ra	nfiguration >IOU# nded Parti dio button for the p	tion C					ou	Re	esou	rce	ŝ				Help
 SB IOU#1 Partition#2 Extended Par Partition#3 Extended Par 	ition C	Partition Name	Power Status	CPU Cores	Memory GB	IOU GbE	PCI	PCI Slot #1	PCI Slot #2	PCI Slot #3	Disk Unit					
Reserved SB Configurati Power Management Setu Partition#1 Partition#2 Partition#3 Partition#4 Partition#10			Standby	15 15	32 30	•	•	•	•	•						
Partition#11	>						Apply	C	ancel							

FIGURE 1.63 [Extended Partition Configuration of IOU Resources] Window

PCI Slot#3 is not displayed for the IOUF.

When the allocation of GbE, PCI Slot#0~3, Disk Unit is selected by using the radio button and when "Apply" button is clicked, the resource is allocated to the specified Partition.

Only the CPU Cores and the Memory GB are displayed.

When "Cancel" button is clicked, process is cancelled.

When PCNC to connect the PCI_Box with PCI Slot#2 and #3 is mounted, background color is displayed in gray and the operation is suppressed .

When the Disk Unit is not mounted, or when card is not mounted, background color is displayed in gray and the operation is suppressed.

While Power On or while parent Physical Partition is maintaining, Extended Partition cannot change, setting, (Error message is displayed).

When any of GbE, PCI Slot#0~3, Disk Unit on IOU is allocated to the specified Partition, all PCI Slots on the IOU are shown in the Partition. But the PCI Slots which are not selected by radio button are shown as empty slots in the Partition.

TABLE 1.74 Display Items and Set Items of [Extended Partition Configuration of IOU Resources] Window

Items	Description
#	Displays the number identifying the Extended Partition.
	Displays only the Extended Partition number allocated to the Physical Partition.
Partition Name	Displays the name attached to the Extended Partition.
Power Status	Displays power supply state of the Partition.
	· On
	Standby
CPU CORE	Displays the number of CPU Cores allocated to the Extended Partition.
Memory GB	Displays the Memory GB that is allocated to the Extended Partition.
IOU#x (GbE)	Displays and sets the Extended Partition, to which GbE of IOU#x belongs.
IOU#x (PCI Slot #y)	Displays and sets the Extended Partition to which PCI slot#y of IOU#x belongs.
IOU#x (Disk Unit)	Displays and sets which Extended Partition to which Disk Unit of IOU#x belongs.

The following windows are displayed when the Extended Partitioning number is not allocated in the Partition->Partition Configuration Window.

FIGURE 1.64 [Extended Partition Configuration of IOU Resources] no EXTENDED PARTITIONING windows

FUĴÎTSU	Model: Part Number: Serial Number: Status:	PRIMEQUEST 2800E MCF3AC111 Normal	Active:MMB#1
System Partition User Adm			Logout
>Partition >Partition#1 Extend	led Partition Configuration	>IOU#1	
 Power Control Schedule Console Redirection Setup Partition Configuration 		artition Configuration of IOU Resources	Help
 Partition#1 Extended Partiti SB IOU#1 Partition#2 Extended Partiti 	on C		
 Partition#3 Extended Partiti Partition#3 Extended Partiti Reserved SB Configuration Power Management Setup 	on C		
 Power Wanagement Setup Partition#1 Partition#2 Partition#3 			
Partition#4 Partition#10			
Partition#11	>	Apply Cancel	

(1) Menu Operation

[Partition] - [Partition#n Extended Partition Configuration] - [IOU#] button

- (2) Window Operations
- 1. Select the Partition by the radio button of the resource to be allocated and click the [Apply] button. A confirmation dialogue box is displayed.
- 2. Click the [OK] button.
 - Change the allocation of resources.
- 3. Click the [Apply] or [Cancel] button. Return to [Extended Partition Configuration of IOU Resources] Window.

[Message]

This section describes the messages to be displayed on this window.

Message Number	Message
E_000544	Unable to change Extended Partitioning Configuration to Partition#%aa because this partition is under maintenance.
W_00545	Unable to change Extended Partitioning Configuration to Partition#%aa because this partition is power on.
W_00589	Unable to change Resources, because this partition is powered on.

For details on the messages displayed on the window, see *PRIMEQUEST 2000 Series Message Reference* (CA92344-0540).

1.3.5.3 [PCI_Box] window

When selection is possible, resource allocation set screen of PCI_Box is displayed for the Extended Partition, when Partition#x Extended Partition Configuration-> PCI_Box# page is selected.

FIGURE 1.65 [Extended Partition Configuration of PCI_Box Resources] windows

FUJITSU System Partition User Admir	Serial Status	umber: Numbe	er:												Activ	re:MMB#0 Logout
Partition >Partition#2 Extended Power Control Schedule Console Redirection Setup Partition Configuration Partition#2 Extended Partitio	ed Partiti E Sei	ion Cont		30x#3 tion C	onfi				PCI	[Bo	ox F	Reso	urces			Help
 SB IOU#2 PCI Box#3 Reserved SB Configuration 		#	Partition Name	Power Status	CPU Cores	Memory GB	PCI		PCI	PCI Slot #9	Slot					
 Power Management Setup Partition#0 Partition#1 Partition#2 Partition#3 		5 Free	p#5	Standby	0 12	0 14	•	•	•	•	•	•				
Partition#5																
<	•						[Apply	y C	ancel						

Allocation of PCI Slot is selected by radio button. If "Apply" button is clicked, the resources for the specified Partition are allocated.

When the PCNC used for connecting the PCI_Box to PCI Slot#2, #3 of the IOU, is mounted, six PCI Slots can be allocated for each PCNC.

Only the information regarding CPU Cores, Memory GB is displayed.

When "Cancel" button is clicked, the process is cancelled.

The Extended Partition settings cannot be changed (error message is displayed) during Power On or during maintenance of a new Physical Partition.

When a PCI Slot is allocated to the specified Partition, all PCI Slots on the same PCNC are shown in the Partition. But the PCI Slots which are not selected by radio button are shown as empty slots in the Partition.

TABLE 1.75 Display Items and Set Items of [Extended Partition Configuration of PCI_Box Resources] Window

Items	Description
#	Displays number to identify the Extended Partition.
	Displays the Extended Partition number only which was allocated to the Physical
	Partition.
Partition Name	Displays the name given to the Extended Partition.
Power Status	Displays the power status of the partition
	· On
	Standby
CPU CORE	Displays the number of CPU Cores allocated to the Extended Partition.
Memory GB	Displays the Memory of GB that was allocated to Extended Partition.
PCI_Box#x (PCI Slot#y)	Displays the Extended Partition to which PCI Slot#y of PCI_Box#x belongs and
	sets it.

The following window is displayed when Extended Partitioning number is not allocated in the Partition -> Partition Configuration window.

FIGURE 1.66 [Extended Partition Configuration of PCI_Box Resources] no Extended Partitioning Window

FUÏITSU	Model: Part Number: Serial Number:	PRIMEQUEST 2800E MCXXXXXXX	Active:MMB#0
	Status:	© <u>Error</u>	
	inistration Network Configuration		Logout
No. of Concession, Name	ed Partition Configuration >PCI	Box#3	
 Power Control Schedule Console Redirection Setup Partition Configuration Partition#2 Extended Partiti SB IOU#2 PCI Box#3 Reserved SB Configuration Power Management Setup Partition#0 Partition#1 	E_00548 The partition doe	tion Configuration of PCI Box Resources	Help
Partition#2 Partition#3 Partition#5	>	Apply Cancel	

(1) Menu Operation

[Partition] - [Partition#n Extended Partition Configuration] - [PCI_Box#] button

- (2) Window Operations
- 1. Select the Partition by radio button of the resource which is to be allocated and click "Apply" button. The dialog box for confirmation appears.
- 2. Click the [OK] button. Allocation of the resource is changed.
- 3. Click the [Apply] or [Cancel] button. Returns to the [Extended Partition Configuration of PCI_Box Resources] window.

[Message]

This section describes the messages to be displayed on this window.

Message Number	Message
E_000544	Unable to change Extended Partitioning Configuration to Partition#%aa because this partition is under maintenance.
W_00545	Unable to change Extended Partitioning Configuration to Partition#%aa because this partition is power on.
W_00589	Unable to change Resources, because this partition is powered on.

For details on the messages displayed on the window, see *PRIMEQUEST 2000 Series Message Reference* (CA92344-0540).

1.3.6 [Extended Socket Configuration] Window

In the [Extended Socket Configuration] window, the setting concerning Extended Socket is possible.

Remarks

- Please change on not two or more Web screens but single Web screens at the change of Extended Socket.



FUjitsu	Model: Part Number: Serial Number: Status:	PRIMEQUEST MCG3AC111 Normal	2800E2	Active:MMB#1	
System Partition User Admit >Partition >Extended Socket C		Configuration Maintenance		Logout	
Power Control Schedule Console Redirection Setup Partition Configuration Partition#1 Extended Partitic	Extended Select Zone# ra	dio button for the partition, then		Help	
 Extended Socket Configurat Reserved SB Configuration Power Management Setup 	ion # P#	Power Status Extended Socket	Zone# none 0 1 2 3 4 5 6 7		
Power Management Setup Partition#0 Partition#1		On Disabled On Disabled	0 0 0 0 0 0 0 0 0 0 0 0 0 0		
Partition#2 Partition#3					
 Partition#4 Partition#5 					
			Apply Cancel	0	
<				~	

The Zone setting is reflected by clicking the "Apply" button after the setting of Zone is changed by the radiobutton.

Even if the power supply of Extended Partition is On, this setting can be changed.

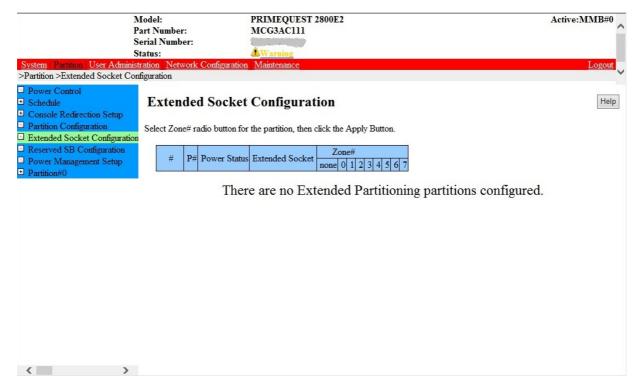
Sharing Zone between Extended Partition is possible only for same physical partition the division origin. When Zone that tried to be set has already been set to Zone of the Extended Partition with another physical partition in the division origin, the setting change cannot be done.

Items	Description
#	The number to identify Extended Partitioning is displayed.
	Only the Extended Partitioning number allocated in Physical Partition is
	displayed.
#P	The Physical Partition number of division origin of Extended Partition is
	displayed. Common Zone can be set only between Extended Partition to which
	this number is corresponding.
Power Status	The state of the power supply of partition is displayed.
	· On
	Standby
Extended Socket	Displays whether Extended Socket function is Enabled or Disabled.
	· Enabled
	Disabled
Zone#	Zone that Extended Socket connects is selected.
	Zone of the connection destination is up to Zone0-3 for PRIMEQUEST
	2400E3/2400E2/2400E model, and Zone0-Zone7 for PRIMEQUEST
	2800E3/2800E2/2800E model. One Zone of each Extended Partition can be
	selected. The selection of Zone is selected by the radiobutton. When Zone is
	not allocated, none is selected.
	Default is none.

TABLE 1.76 Display Items and Set Items of [Extended Socket Configuration] Window

When the Extended Partitiong number is not allocated on the screen of "Partition ->Partition Configuration", the following window is displayed.

FIGURE 1.68 Display of Errors of [Extended Socket Configuration] window



Buttons	Description
Apply	The setting of the Extended Socket Configuration is changed.
Cancel	Returns to the original state without changing the setting of the Extended Socket Configuration.

(1) Menu Operation

[Partition] - [Extended Socket Configuration]

- (2) Window OperationsExtended Socket Configuration
 - 1. Set the items for changing the settings of the Extended Socket Configuration and click the [Apply] button.

Set the connection.

[Message]

This section describes the messages to be displayed on this window.

Message Number	Message
W_00598	Unable to change Extended Socket configuration because this zone is already connected
	to other Extended Partitions on another Partition.

For details on the messages displayed on the window, see *PRIMEQUEST 2000 Series Message Reference* (CA92344-0540).

1.3.7 [Reserved SB Configuration] window

In the [Reserved SB Configuration] window, you can set the Reserved SB to the partition.

Reserved SB is an SB (Memory Scale-up Board is excluded) which is incorporated newly in the Partition, in place of a disconnected SB when the SB which was incorporated in the Partition was disconnected due to hardware problems.

FUJITSU	Model: Part Number: Serial Number Status:	: 0	ormal	10-						Active:MMB#0
	Administration Netwo	rk Configuration 1	daintenan	00						Logout
Partition >Reserved SB Power Control Schedule Console Redirection Sv Partition Configuration Reserved SB Configuration	Reser Check the	ved SB Con			e Rese	erved	SB,	then	click the Apply button.	Help
Partition#0		Partition Name	Power	Mirror Mode	SB					
Partition#1		Parthon Name	Status	(setting)	2	1	2	2		
	0	hayashi	Standby	-	•					
	1	take	Standby	-		٠				
	2			Disable						
	3			Disable						
	Reser	ved						12		
	Fre									
<	×					A	pply	0	ancel	

FIGURE 1.69 [Reserved SB Configuration] Window

Gray out is done for SB or Memory Scale-up Board not installed.

In case of an PRIMEQUEST 2800E3/2800E2/2800E model, check the number of CPUs of the SB which is incorporated in the specified Partition while setting it in the Reserved SB, and check with the following mounting conditions.

- · Mounting of one CPU for an SB is possible only when the Partition is configured with one SB.
- Mounting of two 2CPUs for an SB is mandatory when the Partition is configured with several SB.

The Reserved SB cannot be set when TPM function is used.

The Reserved SB cannot be set though Fixed I/O Mode is specified in the Partition.

When mounting conditions are not fulfilled, a message is displayed and Reserved SB cannot be set.

If you attempt to set an SB with a DIMM configuration that does not satisfy the Memory Operation Mode requirements as a Reserved SB for a partition that is set to Memory Operation Mode, a confirmation dialog box appears. A warning message stating that Memory Operation Mode is cancelled while shifting to Reserved SB is displayed in the dialog box for confirmation and whether to continue with the Reserved SB settings is confirmed.

When several Reserved SBs are registered in one Partition, they operate as Reserved SBs in ascending order of SB number.

Items	Description
#	Displays number that identifies the Partition.
	Reserved: Reserved SB
	Free: Free SB
Partition Name	Displays name given to Partition.
Power Status	Displays the power status of the partition
	· On
	Standby
Mode (setting)	Displays the setting value of Mode corresponding to the Partition.
	Enable: Mode is set
	Disable: Mode is not set
SB	Displays the Partition to which the SB belongs.
	The check box to register the SB as a Reserved SB in the Partition of the
	corresponding line is displayed in the cell which corresponds to Reserved SB or
	Free SB.

TABLE 1.79 [Reserved SB Configuration] Window Buttons

Buttons	Description
Apply	If "[Apply]" button is clicked, it is defined as Reserved SB.
Cancel	If "[Cancel]" button is clicked, it returns to the original state without being defined as a Reserved SB.

(1) Menu Operation [Partition] - [Reserved SB Configuration]

(2) Window Operations
1. The check box of Partition intended for Reserved SB is set to ON.
2. Click the [Apply] button.

[Message]

This section describes the messages to be displayed on this window.

Message Number	Message
E_00098	Failed to get the Replacement Condition
E_00100	Failed to set the Replacement Condition
E_00113	Unable to register the specified SB#%aa as a Reserved SB due to CPU mismatch
	between SBs.
E_00114	The specified SB#%aa cannot be registered as a Reserved SB.
I_00223	Unable to change the specified SB(s) because the partition including the specified SB(s) is under maintenance.
E_00419	Unable to register the specified SB#%s as a Reserved SB due to unsupported CPU configuration.
E_00420	Unable to register the specified SB#%s as a Reserved SB because the DIMM does not satisfy requirements of Mode.
E_00421	No change.
E_00460	Unable to set the specified SB to the partition due to CPU composition abnormal.
W_00481	Unable to register the specified SB#%s as a Reserved SB due to the home SB is TPM enabled.
W_00492	Unable to register the specified SB#%d as a Reserved SB due to Partition is Fixed I/O Mode.
W_00493	Unable to register the specified SB#%d as a Reserved SB due to abnormal DIMM composition.
I_00494	The DIMM does not satisfy requirements of Mode. If you register the specified SB%s as a Reserved SB, Mode will be disabled when switching to specified SB. Are you sure to continue?
W_00520	Unable to register the specified SB#%d as a Reserved SB due to abnormal SB composition.
W_00626	Unable to register Reserved SB because Extended Partitioning doesn't support Reserved SB in multiple SB configuration.
W_00628	Since the setting of ASR counter for Partition#%d [Partition >Partition#%d >ASR Control >Number of Restart Tries] is zero, Reserved SB doesn't work when error event occurs on the SB. Please change the ASR counter for Partition#%d to more than 1 if you want to avoid the situation.

For details on the messages displayed on the window, see *PRIMEQUEST 2000 Series Message Reference* (CA92344-0540).

When multiple errors are detected, multiple errors are displayed in the dialogue box.

1.3.8 [Power Management Setup] Window

In the [Power Management Setup] window, Power Saving can be set in the partition unit.

Power Saving can be set only when the Power save Control of the system is Enable.

When the System Power Save setting is Disable, then the display of this screen is shown as gray and cannot be set.

FIGURE 1.70 [Power Management Setup] window

- FUj๊ITSU -	Model: Part Number: Serial Number: Status:	PRIMEQU MCF3AC11				Active:MMB#0
System Partition User Admir >Partition >Power Managemen	istration <u>Network Config</u>	aration Maintenance				Logout
Power Control Schedule Console Redirection Setup	Power Mana	agement Setu	р			Help
 Partition Configuration Reserved SB Configuration Power Management Setup Partition#0 	Click the Apply Button # Partition Name	n to apply all changes. Power Control Status	Control	Power Save Grace Period	Action reaching Power Save	
	0	Normal	 Enable Disable 	0 min	Partition Power Off	
2	3		(Apply Canc	el	

Items	Description
#	Displays number (0~3) to identify the partition. However displays only the
	partitions registered by SB/IOU.
Partition Name	Displays the name given to the Partition.
Power Control Status	Displays the operating state of power control status of each partition.
	Normal: Normal operating state. Shows that the operating rate
	suppression function for limitation of the electric power consumption is not working.
	 Power Saving: Shows that the operating rate is being suppressed
Power Save Control	Valid/ invalid Power Saving function setting is executed in the partition unit.
	• Enable
	· Disable
	The patting can be done only when System Dower Sove Control is Enable and
	The setting can be done only when System Power Save Control is Enable and gray color is shown when System Power Saving Control is Disable.
	gray color is shown when System Power Saving Control is Disable.
	Default is Enable
	When the Extended Partitioning function is effective, the operation is controlled.
Power save Grace Period	Sets shutdown waiting time in partition unit when the Limit threshold is exceeded.
	Specified in the range of 0 ~ 99 minutes.
	Shows a valid item when Power Save Control of partition is Enable and shows
	gray color when Disable.
	Default is 5 minutes.
Action reaching Power	Executes the operation setting in the partition unit after the Limit threshold
Save	excess stand-by time.
	Continue: Continues operation for the partition under operation.
	Partition Power Off: Power Off is done for the partition under operation.
	Partition Force Power Off: Force Power Off is done for the partition under
	operation.
	Displays a valid item when Power Save Control of partition is Enable and displays gray color in case of Disable.
	Default is Partition Power Off

TABLE 1.80 Display Items and Set Items of [Power Management Setup	1 Window
TABLE 1.00 Display tients and bet items of [1 ower management betap	J window

TABLE 1.81 [Power Management Setup] Window Buttons

Buttons	Description
Apply	The setting of the Power Management Setup is changed.
Cancel	Returns to the original state without changing the setting of the Power Management Setup.

(1) Menu Operation

[Partition] - [Power Management Setup]

(2) Window Operations
1. Set the items for changing the settings of the Power Management Setup and click the [Apply] button. Set the connection.

[Message]

This section describes the messages to be displayed on this window.

Message Number	Message
I_00013	Setting completed.
W_00426	Invalid values specified.
E_00098	Failed to get Partition Power Management.
E_00098	Failed to get the system configuration.
W_00559	Unable to set Power Save Control because PSU type is not PSU_P.
W_00560	Unable to set Partition Power Save Control because System Power Save Control is disabled.
E_00100	Failed to set Partition Power Management.
W_00603	Unable to set Partition Power Save Control because Extended Partitioning Mode is enabled.

For details on the messages displayed on the window, see *PRIMEQUEST 2000 Series Message Reference* (CA92344-0540).

[Partition#x] Menu 1.3.9

The following settings and the displays for the partition can be done in the Partition#x menu.

- Status display
- ASR condition setting Video redirection display
- .
- Various modes .

1.3.9.1 [Information] Window

Displays the status of the partition and various information on the partition, on the information screen.

FUJITSU	Model: Part Number: Serial Number: Status:	PRIMEQUEST 2800E MCXXXXXXX Normal	Active:MMB#0
System Partition User / >Partition >Partition#0 >I	Administration Network Configur	ration Maintenance	Logout
Power Control Schedule Console Redirection Se	Information		Refresh
Partition Configuration	Partition Name	PQ2800#09-P0	
Reserved SB Configura	ation Power Status	Standby	
Partition#0	System Progress	Power Off	
 Information ASR Control 	Core / Max Core	30/30	
Console Redirection	Physical Memory Siz	re 64GB	
Partition#1 Partition#2 Partition#3			
<	>		

FIGURE 1.71 [Information] Window (In case of a Physical Partition)

FUĴÎTSU	Model: Part Number: Serial Number: Status:	PRIMEQUEST 2800E MCF3AC111		Active:MMB#1
System Partition User A >Partition >Partition#10 >		guration <u>Maintenance</u>		<u>Logout</u>
 Power Control Schedule Console Redirection Se 	Information			Refresh Help
Partition Configuration	Partition Name			
 Partition#1 Extended Pa Partition#2 Extended Pa 		5	Standby	
Partition#2 Extended Partition#3 Extended Partit	Sustem Progress	J	Power Off	
Reserved SB Configura	Assigned Court	Requested Core -	- / 15	
Power Management Se		ry Size / Requested Memory Size -	- / 32GB	
E Partition#1				
Partition#2				
Partition#3				
Partition#4				
Partition#10				
Information				
ASR Control				
Console Redirection				
Mode Partition#11				
Parution#11				
<	>			

FIGURE 1.72 [Information] Window (In case of a Extended Partition)

Items	Description
Partition Name	Displays the name given to the partition
Power Status	Displays the power status of the partition.
	· On
	· Standby
System Progress	Displays the progress status of partition.
	 Power Off: The power supply for partition has been cut. Power On In Progress: The partition power on is in progress.
	Reset: The partition is being reset.
	EFI: The UEFI menu screen is displayed.
	Boot: Operating system is being booted
	OS Running: operating system is operating.
	OS Shutdown: operating system is shutting down.
	 Panic: Panic (Only RHEL). Power Off In Progress: The partition power off is in progress.
	Fatal: Is stopping.
	Dumping: It is a dumping output.
	Halt: It is halting
	· Extended Partitioning Running: Firmware of Extended Partitioning is
	operating.
	Remarks
	If the SVAS is not installed, the display does not change to "Operating System
	Running "even if the operating system is actually operating.
	Also, "operating system Shutdown", "Panic", "Stop Error" which are specified by
	SVAS are not displayed if SVAS is not installed.
Core / Max Core	The CPU core number included in the partition, Max Core number is displayed in
(Assigned Core /	the Physical Partition. The CPU core number that is actually allotted and the CPU core number that is
Requested Core)	specified on the Extended Partition Configuration screen are displayed on the
	Extended Partition. "-", is displayed for the actually allotted CPU core number till
	the value is confirmed, after the Extended Partition is Pon.
	Remarks Degenerated CPU is not included in the number.
	Degenerated CFO is not included in the number.
Physical Memory Size	Physical Partition displays the physical memory volume that is included in the
(Assigned Memory	partition.
Size / Requested Memory Size)	Extended Partition displays the actually allocated memory volume and the
	memory volume specified on the, Extended Partition Configuration.
	The capacity of each DIMM group rounded up is displayed in Assigned Memory Size when Memory EXCL is effective. However, when Requested Memory Size is
	smaller than this value, only Requested Memory Size is shown to OS.
	"-", is displayed for the actually allotted memory volume, till the value is confirmed,
	after the Extended Partition is Pon.
	after the Extended Partition is Pon. Remarks The physical memory volume that has been displayed differs from the memory volume that can be actually used by the operating system. Degraded DIMM is not included in the memory.

TABLE 1.82 Display Items of [Information] Window

(1) Menu Operation [Partition] - [Partition#x] – [Information]

Window Operations (2) None

1.3.9.2 [ASR Control] Window

The conditions for executing automatic restart of the partition on the [ASR (Automatic Server Restart) Control] can be set.

FIGURE 1.73 [ASR (Automatic Server Restart) Control] Window

FUĴÎTSU	Model: Part Number: Serial Number: Status:	MCXXXX 000000000 Normal	1	Active:MMB#0
System Partition User Adm >Partition >Partition#0 >ASR	inistration <u>Network Configura</u> Control	ation <u>Maintenan</u>	<u>ce</u>	Logout
 Power Control Schedule Console Redirection Setup Partition Configuration 	ASR(Automatic		7	Help
 Reserved SB Configuration Partition#0 				
 Information ASR Control 	Number of Restart Trie		5 🕶	
 Console Redirection Mode 	Action after exceeding Retry Counter	Restart tries	Stop rebooting and Power Off	
Partition#1 Partition#2	Boot Watchdog			~~
■ Partition#3	Boot Watchdog		● Enable ○ Disable	
	Timeout time (seconds)		900	
	Action when watchdog	expires	Reset 💌	
	Software Watchdog			
	Software Watchdog		○ Enable ⊙ Disable	
	Timeout time (seconds)	,	300	
	Action when watchdog	expires	Continue	
<			(Apply) Cancel	

Items	Description
ASR Number of Restart Tries	Set the number of retries for restarting the partition automatically when there is
	time out by Boot Watchdog, or Software Watchdog of SVAS, or the hardware error occurs and OS shuts down.
	The number of times can be set up to 0-10 times. When 0 is specified, the partition does not restart automatically, and the action which is set in 'Action After exceeding Restart tres' is executed. Default is five times.
	Notes
	- When you use Reserved SB function, set a value which is greater than or equal to 1.
	- When you set a value which is greater than or equal to 1 in [Number of Restart Tries] of the [ASR Control] window, a failed SB is replaced to a Reserved SB at first automatic restart of the partition.
Action after exceeding Restart tries	Repeat the restart by Watchdog Timeout and sets the action when the above- mentioned retry number is exceeded. The actions are as below. • Stop rebooting and Power Off: Reboot process is stopped, power supply of
	 Stop rebooting and rower on reboot process is stopped, power supply of partition is cut off. Stop rebooting: Reboot process is stopped, and the partition is stopped. Diagnostic Interrupt assert: Reboot process is stopped, instructs the NMI interruption for partition. Tries to collect the data for investigation (damp) for the investigating the cause of stoppage, of the partition which has stopped.
	Default setting is 'Stop rebooting and Power Off'
Retry Counter	Displays the number of actual possible retries.
Boot Watchdog	
Boot Watchdog	Enable/disable of the Boot Watchdog function of ServerView is set.
	The start of OS is observed when setting it to Enable. After OS starts, Boot Watchdog is stopped by ServerView. Default is Disable.
Timeout time (seconds)	Time until Boot Watchdog does timeout is set. The range of 1-6000 can be set.
	Default is 6000 seconds (=100 minutes).
Action when watchdog expires	Action when Boot Watchdog does timeout is set. In Action, there is the following. • Continue
	Reset Power Cycle
Software Watchdog	<u></u>
Software Watchdog	Enable/disable of the Software Watchdog function of ServerView is set.
	After OS starts, the operation of OS is observed by ServerView when setting it to Enable.
Time out time (accord)	Default is Disable.
Timeout time (seconds)	Time until Software Watchdog does timeout is set. The range of 1-6000 can be set.
	Default is 300 seconds (=5 minutes).
Action when watchdog expires	Action when Software Watchdog does timeout is set.

TABLE 1.83 Display	y Items and Set Items o	f [ASR (Automatic	Server Restart) Controll Window

Items	Description
	In Action, there is the following. Continue Reset Power Cycle NMI

[Message]

This section describes the messages to be displayed on this window.

Message Number	Message
W_00629	Since the setting of ASR counter [Number of Restart Tries] is zero, Reserved SB doesn't work when error event occurs on the SB. Please change the ASR counter to more than 1 if you want to avoid the situation.

For details on the messages displayed on the window, see *PRIMEQUEST 2000 Series Message Reference* (CA92344-0540).

When multiple errors are detected, multiple errors are displayed in the dialogue box.

TABLE 1.84	[ASR (Automatic Server Re	estart) Control] Window Buttons
------------	---------------------------	---------------------------------

Buttons	Description
Apply	Sets the information if [Number of Restart Tries] [Action after exceeding Restart tries] are specified.
Cancel	Does not set the information and returns to the original state.

(1) Menu Operation [Partition] - [Partition#x] - [ASR Control]

- Window Operations
 Every item is set.
 [Apply] button is clicked. Specified information is set.

1.3.9.3 [Console Redirection] Window

If the Console Redirection screen is selected when it enabled, the Video Redirection screen on the BMC is displayed in another window.

If the settings in [Console Redirection setup] Window are Disabled, check box cannot be Checked. The check box can be selected by making the setting of Video Redirection Enable on either [Console Redirection Setup] screen of IPv4 or IPv6 when Console Redirection is used from CE Port.

FIGURE 1.74 [Console Redirection] Window

FUĴĨTSU	Model: Part Number: Serial Number: Status:	PRIMEQUEST 2800E 1541326007 Normal	Active:MMB#0
System Partition User Admin >Partition >Partition#0 >Conso		uration <u>Maintenance</u>	
Power Control Schedule Console Redirection Setup Partition Configuration	Console Redi	rection	Help
Reserved SB Configuration Power Management Setup Partition#0 Information	Operation		
 ASR Control Console Redirection Mode 			
Partition#1 Partition#2 Partition#3			
< >		Apply Cancel	0
			C 100% -

Attention

Click the mouse while pushing the Control key when you start the video redirection with Internet Explorer. Moreover, click the mouse while pushing the Control key when the following messages are displayed.

Message displayed in statusbar of Internet Explorer: Pop up on this page was blocked. Click while pushing the Ctrl key to permit the display of pop up.

Console Redirection can be connected only by the click of a mouse for Firefox.

TABLE 1.85 Display	Items of [Conso	le Redirection] Window
--------------------	-----------------	------------------------

Items	Description	
Video Redirection	Displays the Video Redirection on the BMC side.	
	On the Console Redirection Setup window, selection is possible only when	
	Enabled; when Disabled, the check box cannot be checked.	
	In the Physical Partition with Extended Partitioning mode set as Enable, Video	
	Redirection cannot be used. Also, Extended Partition for which VGA/USB2/rKVMS	
	is not allocated, Video Redirection cannot be used.	

Buttons	Description
Apply	The window of Video Redirection is displayed.
Cancel	The window of Video Redirection is not displayed and returns to former state.

(1) Menu Operation [Partition] - [Partition#x] – [Console Redirection]

- (2) Window Operations
 - Check Video Redirection and click the [Apply] button. 1.
 - Confirmation dialog box is displayed.
 - Click the [Ok] button. 2.
 - The window of Video Redirection is displayed.

[Message]

This section describes the messages to be displayed on this window.

Message Number	Message
W_00413	Nothing is selected.
W_00472	Unable to get the reserved WEB Session information due to WEB Session Max over.
W_00473	Unable to check the Video Redirection check box due to the Video Redirection option
	is disabled.
I_00222	Unable to %aa the Partition#%aa because this Partition is under maintenance.
I_00417	Are you sure?
W_00541	Nothing is checked.
W_00550	Unable to select the option due to this Partition is not connected to
	VGA/USB2/rKVMS.
W_00551	Unable to select the option due to Extended Partitioning mode of this Partition is
	enabled.

For details on the messages displayed on the window, see PRIMEQUEST 2000 Series Message Reference (CA92344-0540).

1.3.9.4 [Mode] Window

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Various modes can be set for partition in [Mode] window. In order to reflect the set value, turn Off the power of partition and then it is necessary to turn On the Power of partition once again.

Attention of operation

 Do not start two or more Web screen when you change Extended Partitioning and change on a single Web screen.

FIGURE 1.75 [Mode] Window (PRIMEQUEST 2400E2/2800E2/2400E/2800E) (1)

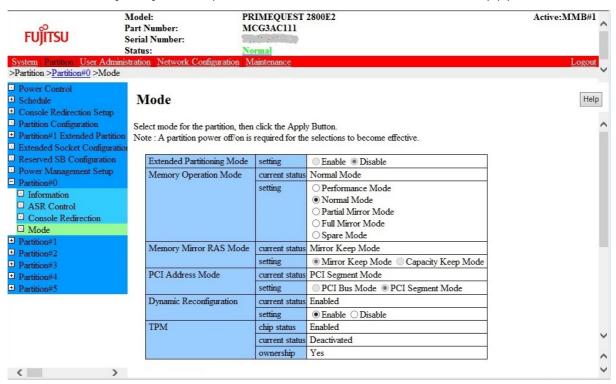


FIGURE 1.76 [Mode] Window (PRIMEQUEST 2400E2/2800E2/2400E/2800E) (2)

FUĴITSU	Model: Part Number: Serial Number: Status:	PRIMEQUEST 2 MCG3AC111 Normal	2800E2	Active:MMB#1
<u>System Partition User</u> Partition >Partition#0 >	Administration Network Co Mode	nfiguration Maintenance		Logout
Power Control Schedule	Mode			Help
Console Redirection S	* ITDM	chip status	Enabled	
Partition Configuration Partition#1 Extended 1		current status	Deactivated	
Extended Socket Con		ownership	Yes	
Reserved SB Configur Power Management S Partition#0			Enable(WOL disabled) ○Enable(WOL enabled)	
ASR Control Console Redirection			 Enable(WOL disabled) Disable 	
Mode	IOU#1		Enable(WOL disabled)	
Partition#1 Partition#2 Partition#3		setting	 Enable(WOL enabled) Enable(WOL disabled) Disable 	
Partition#4 Partition#5				
			Apply Cancel	

~

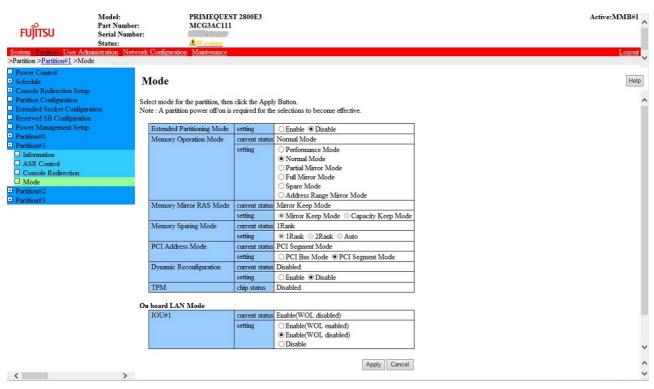


FIGURE 1.77 [Mode] Window (PRIMEQUEST 2400E3/2800E3)

FIGURE 1.78 [Mode] Window (Extended Partition)



When the [Apply] button is clicked while the partition is powered on, a warning dialog box "W_00487 Unable to change the mode, because this partition is powered on" is displayed.

When the partition is already powered off, the settings are reflected without displaying the dialog box.

Extended Partitioning Mode can be changed only when the Power status of Physical Partition is Off. If Physical Partition is to be changed while it is powered on, a warning dialog box such as "W_00552 the Extended Partitioning mode cannot be changed while the Physical Partition is powered on. Please try to change the Extended Partitioning mode after the Physical Partition is powered off." is displayed and settings are prohibited.

When SB with DIMM configuration that does not satisfy requirements of Mode configures the Mode for the partition configured in a Reserved SB, a confirmation dialogue box is displayed. At the time of switching to the Reserved SB, a warning message of Mode cancellation is displayed and to confirm whether to proceed with the setting or not.

The LAN Device Mode is displayed in IOU Unit comprised in the partition specified by the LAN Device Mode. For settings, select LAN Device Mode in the IOU Unit, with the radio button and click the [Apply] button.

The setting items of Extended Partitioning Mode and LAN Device Mode are not displayed in Extended Partition. Moreover, Entire Mode setting is prohibited and the settings cannot be changed.

When Partition contains Memory Scale-up Board, the setting of Dynamic Reconfiguration Mode cannot be set by warning Dialog box being displayed.

Description Sets whether the Extended Partitioning Function is enabled or not. • Enable: Enables Extended Partitioning Function. • Disable: Disables Extended Partitioning Function. Extended Partitioning Mode is displayed only in the Physical Partition. Settings can be changed only when the Partition is POff. Operations are prohibited when the Dynamic Reconfiguration is enabled.
 Enable: Enables Extended Partitioning Function. Disable: Disables Extended Partitioning Function. Extended Partitioning Mode is displayed only in the Physical Partition. Settings can be changed only when the Partition is POff.
can be changed only when the Partition is POff.
Operations are prohibited when the Dynamic Reconfiguration is enabled.
Default setting is Disable.
When the Power Saving function is effective, the operation is controlled.
 Displays the currently enabled Memory Operation Mode. Performance Mode: Displays the settings to the Performance Mode. Normal Mode: Displays the settings to the Normal Mode. Partial Mirror Mode: Displays the settings to the Partial Mirror Mode. Full Mirror Mode: Displays the settings to the Full Mirror Mode.
 Spare Mode: Displays the settings to the Spare Mode. Address Range Mirror Mode : Displays the settings to the Address Range Mirror Mode(This item is displayed in PRIMEQUEST 2400E3/2800E3.)
 Sets the Memory Operation Mode for partition. Performance Mode Normal Mode Partial Mirror Mode Full Mirror Mode Spare Mode Address Range Mirror Mode(This item is displayed in PRIMEQUEST 2400E3/2800E3.) Enables the settings after rebooting the partition.
Default setting is Normal Mode.
Displays the Memory Mirror currently enabled Mode.
 Mirror Keep Mode: Shows the maintenance of Mode.
Capacity Keep Mode: Shows maintenance of memory capacity.
Sets the Memory Mirror Mode for partition.
• Mirror Keep Mode
Capacity Keep Mode
Enables the settings after rebooting the partition. As these items are enabled only when the Full Mirror Mode or Partial Mirror Mode is set, when the rest is set, they are disabled.
Default setting is Mirror Keep Mode.
Displays the Memory Sparing currently enabled Mode.
1 Rank: 1Rank or less is allocated in Spare Memory.
 2 Rank: 2Rank or less is allocated in Spare Memory. Auto: Spare Memory is allocated by the automatic operation.

TABLE 1.87 Display Items and Se	tting Items in [Mode] Window
---------------------------------	------------------------------

Items	Description
Memory Sparing Mode	Sets the Memory Sparing Mode for partition.
(setting)	• 1 Rank
(This item can be available in the PRIMQUEST	· 2 Rank
2400E3/2800E3/	· Auto
2400E2/2800E2)	
	Enables the settings after rebooting the partition.
	As these items are enabled only when the Spare Mode is set, when Spare Mode is not set, they are disabled.
	Default setting is1 Rank.
PCI Address Mode	Shows the currently set PCI Bus number allocation Mode.
(current status)	PCI Bus Mode
	PCI Segment Mode
	The setting of PCI Address Mode is decided depending on the following
	conditions.
	 When the Dynamic Reconfiguration function is made effective, it is necessary to set it to Segment Mode.
	 When OS does not correspond to Segment Mode, it is necessary to set
	PCI Address Mode to Bus Mode.
	· When the TXT function is used, it is necessary to set PCI Address Mode
	it to Bus Mode.
	It is recommended to set PCI Address Mode to Segment Mode though it is
	possible to set in both Bus Mode and Segment Mode when OS corresponds to
	Segment Mode. Please refer to "Appendix of General Description (CA92344-0534)" for
	whether OS corresponds to Segment Mode.
PCI Address Mode	Sets the PCI Bus number allocation Mode for partition.
(setting)	PCI Bus Mode
	PCI Segment Mode
	Enables the settings after rebooting the partition.
	Default actting in DCL Segment Mode
Dynamic Reconfiguration	Default setting is PCI Segment Mode. Displays whether Dynamic Reconfiguration Function is enabled or disabled.
(current status)	· Enable
	Disable
Dynamic Reconfiguration	Sets whether the Dynamic Reconfiguration Function is enabled or not.
(setting)	Enable: Enables the Dynamic Reconfiguration Function.
	Disable: Disables the Dynamic Reconfiguration Function.
	Enables the settings ofter repeating the partition
	Enables the settings after rebooting the partition. Settings can be done in the following conditions.
	• When it is on at Flexible I/O mode.
	When it is not at the Extended Partition.
	When the TXT/TPM function is disabled.
	Default setting is Disable.
TPM (chip status)	Displays whether TPM function is Enabled or Disabled.
	 Enabled (TPM is enabled) Disabled (TPM is disabled)
	Remarks
	When Home SB of partition is 'without TPM mode', this field is not displayed.
	(TPM1.2/2.0 is supported for PRIMEQUEST 2400E3/2800E3.)
	(Only TPM1.2 is supported for PRIMEQUEST 2400E2/2800E2/2400E/2800E.)

Items	Description
ТРМ	Displays the TPM status.
(current status)	· Activated
	Deactivated
	Remarks
	When Home SB of partition is 'without TPM mode', this field is not displayed.
	This item is displayed only at time equipped with TPM1.2.
ТРМ	Displays ownership of TPM.
(ownership)	Yes (having Ownership)
	No (not having Ownership)
	Remarks
	When Home SB of partition is without TPM mode, this field is not displayed.
	This item is displayed only at time equipped with TPM1.2.
Extended Socket	Displays whether Extended Socket function is Enabled or Disabled.
(setting)	Enabled (Extended Socket is enabled)
	Disabled (Extended Socket is disabled)
	Enables the settings after rebooting the partition.
	Settings can be done in the following conditions.
	Extended Partitioning must be Enable.
	Default setting is Disable.
On board LAN Mode	
IOU	Displays the IOU that belongs to the partition.
On board LAN Mode	Displays the On board LAN Mode in IOU Unit.
(current status)	 Enabled (WOL enabled): Onboard LAN can be used at AC On status.
	 Enabled (WOL disabled): Onboard LAN comprised in the partition can be
	used at Power On status.
	Disabled: Onboard LAN cannot be used every time.
On board LAN Mode	Sets On board LAN Device Mode in IOU Unit.
(setting)	Select the Mode to be set by using the radio button.
	• Enabled(WOL enabled)
	• Enabled(WOL disabled)
	· Disabled
	Default setting is Enabled (WOL disabled).
	On board LAN Mode is displayed only at the Physical Partition (Partition $\#0~3$).
	Please start Partition once, and reflect the setting of WOL when you assume
	the Enabled(WOL enabled) On board LAN Mode again after the setting is
	changed to Disable or Enabled(WOL disabled).

		Status of the Partition						
		Before first Partition Running Partition off						
		Partition Pon after	-					
		AC on						
PRIMEQUEST	SB without TPM	No	No	No				
2400E3/2800E3	SB with TPM	No	Yes	Yes				
PRIMEQUEST	SB without TPM	No	No	No				
2400E2/2800E2/	SB with TPM							
PRIMEQUEST		Yes	Yes	Yes				
2400E/2800E								

TABLE 1.88 Display/non-display of TPM item by status of the partition

Yes : Display No : N0n-display

.....

(1) Menu Operation [Partition] - [Partition#x] - [Mode]

- (2) Window Operations
- 1. Specify respective Mode and click the [Apply] button.
- Confirmation dialog box is displayed.
- 2. Click the [Ok] button.

[Message]

This section describes the messages to be displayed on this window.

Message Number	Message
E_00089	Mode setting failed.
E_00090	Power Control [Reset] setting failed.
E_00461	Unable to register the specified Partition#%s as Mode enable because the DIMM
	does not satisfy requirements of Mode.
W_00487	Unable to change the mode, because this partition is powered on.
E_00497	Unable to register the specified Partition#%s as Mode enable because the CPU mismatch between SBs.
E_00498	Unable to register the specified Partition#%s as Mode enable because the unsupported CPU configuration.
E_00499	Unable to register the specified Partition#%s as Mode enable because of abnormal CPU composition.
E_00500	Unable to register the specified Partition#%s as Mode enable because of abnormal DIMM composition.
I_00501	The SB with DIMM that does not satisfy requirements of Mode is registered as a Reserved SB. If you register this partition as a Mode, Mode will be disabled when switching to Reserved SB. Are you sure to continue?
E_00521	Unable to register the specified Partition#%s as Mode enable because of abnormal SB composition.
W_00584	The Dynamic Reconfiguration Mode cannot be changed while the Partition is Extended Partitioning Mode.
W_00585	Dynamic Reconfiguration Mode cannot be set to this Partition because of PCI Bus. Mode
W_00586	Dynamic Reconfiguration Mode cannot be set to this Partition because of Fixed I/O Mode.
E_00594	Dynamic Reconfiguration Mode cannot be changed due to the partition has Memory Scale-up Board.
W_00602	Unable to set Extended Partitioning Mode because Partition Power Save Control is enabled.
W_00624	Unable to set Extended Partitioning Mode because Extended Partitioning doesn't support multiple SB configuration except SB#0-1 or SB#2-3.
W_00625	Unable to set Extended Partitioning Mode because Extended Partitioning doesn't support Reserved SB in multiple SB configuration.

1.3.9.5 [SSD Life Cycle Management] Window

This function can be available in BA15082, BB15082 or later version of firmware.

Information on writing volume of data (write endurance) of PCIe-SSD installed in the PCI extended slot and SAS SSD installed in SB, DU, and Disk Enclosure are displayed on [SSD Life Cycle Management] Window. At least one or more PCIe-SSD or SAS SSD is installed in the partition, and the partition including PCIe SSD or SAS SSD is in the state of OS Running, and when ServerView Agentless Service(SVAS) or classic Agent(SVAgent + SVRaid) is operating, the writing volume of data of SSD is displayed. (*1)

(*1) After System Progress is changed into the state of OS Running, it takes five minutes or less until information is correctly displayed.

Remarks

< >

This Window supports only a physical partition, and this Window is not displayed in the Extended Partition. Please install ServerView agent (SVagent) and ServerView RAID Manager (SV RAID), and use the function of SV RAID when you observe the longevity of SSD in the Extended Partition.

FUĴÎTSU		PRIMEQUES MCXXXXXX Warning ation Maintenance			Active:MMB#0
 Power Control Schedule Console Redirection Setup Partition Configuration 	SSD Life Cyc	le Managemo	ent		Help
 Extended Socket Configuratio Reserved SB Configuration Power Management Setup Partition#0 	IOU#3	Slot# 1	Capacity 1.6TB	Rated write endurance 0%	
 Information ASR Control Console Redirection Mode 	SAS SSDs Unit IOU#3-PCIC#2- Port#1-Cascade#0	Slot# 23	Capacity 200GB	Rated write endurance 0%	
 SSDLife Cycle Manageme Partition#1 Partition#2 Partition#3 	nt				
	_				

FIGURE 1.79 [SSD Life Cycle Management] Window

Items	Description							
PCIe SSDs								
Unit	Displays the unit that the PCIe SSD card belongs.							
Slot#	Displays the slot position of IOU or PCI_Box that the PCIe SSD card belongs.							
Capacity	Displays the capacity of the PCIe SSD card.							
Rated write endurance	Displays the volume of data written on the PCIe SSD card.							
	When buying it, this value is displayed by 0%. The value increases because the							
	write data accumulates.100% becomes writing longevity.							
SAS SSDs								
Unit	Displays the unit that the SAS SSD belongs.							
Slot#	Displays the installing slot position of SAS SSD.							
Capacity	Displays the capacity of the SAS SSD.							
Rated write endurance	Displays the volume of data written on the SAS SSD.							
	When buying it, this value is displayed by 0%. The value increases because the							
	write data accumulates.100% becomes writing longevity.							

TABLE 1.89 Display Items and Set Items of [SSD Life Cycle Management] Window

1.4 [User Administration] Menu

You can manage user accounts from the [User Administration] menu.

1.4.1 [User List] window

The [User List] window displays information on the registered user accounts. Only users with Administrator privileges can view this window.

FUĴĨTSU	Model: Part Number: Serial Number: Status:	PRIMEQUEST2800E MCXXXXXXX Version			Active:MMB#0
System Partition User / >User Administration >Us	er List	tion Maintenance			Logout
User List Change Password Who	User List Click the Add User bu	utton to add a new user.			(Help)
	Select a user, then cl	lick the Edit/Remove User button t	Privilege	the user. Status	Operable Partition
	OAdministrator	Default Administrator	Admin	Enabled	(for Partition Operator)
¢	2	Add User Edit	User Remove I	Jaer Cance	1

FIGURE 1.80 [User List] Window

The users set to Disabled are grayed out.

Items	Description						
User Name	Displays the user name.						
	The user name must consist of a total of 3 to 32 characters.						
Full Name	Used to enter the user's real name or other related information. You can enter						
	up to 32 characters.						
Privilege	Displays the privileges of the user account.						
Status	Displays the current status of this account.						
	· Enabled						
	Disabled						
Operable Partition	This item is not displayed in PRIMEQUEST 2800B3/2800B2/2800B.						
	Displays the partitions that the user is permitted to operate.						
	The window displays them only if the user account has Partition Operator						
	privileges.						

Buttons	Description
Add User	Displays the [Add User] window.
Edit User	Displays the [Edit User] window.
Remove User	Deletes the user.
Cancel	Restores the original information and does not set the specified information.

TABLE 1.91	Buttons in the	[User List] window
	Duttorilo in the	

[Message]

The following table lists the messages displayed in this window.

Message Number	Message
E_00031	Same name already exists. User addition failed.
E_00032	No more User addition.
E_00034	Unable to change the status to Disable because the specified user is last
	Administrator.
E_00035	The user is logining. User deletion failed.
I_00041	User addition was completed
I_00042	User information editing was completed.
I_00043	User deletion was completed.
W_00463	Select a User Name.
I_00464	%aa will be removed. Are you sure?
W_00404	Password differs from the re-password.

1.4.1.1 [Add User] window

Clicking the [Add User] button in the [User List] window displays the [Add User] window.

You can register new users in the [Add User] window.

It is possible to register up to 16 users or less.

FUJITSU	Model: Part Number: Serial Number: Status:	MCX 3000					Active:MMB#0
System Partition User >User Administration >U	Administration Network Config	uration Maint	enance				Logout
User Administration > User List Change Password Who	Add User Click the Apply Bi	utton to apply	/ all changes.				Help
	User Name						7
	Password						
	Confirm Passy	vord					_
	Privilege		⊛Admin ⊜Ope	rator OUser OO	E OPartition Op	erator	
	Status		Enabled Ob				
	Full Name						(optional)
	Operable Part (for Partition (0	1	2	3	-
3 T	3			Apply Canc	el		

For details on the setting and display items in the [Add User] window, see TABLE 1.92 Setting and display items in the [Add User] and [Edit User] windows.

FIGURE 1.81 [Add List] Window

1.4.1.2 [Edit User] window

Selecting a user and clicking the [Edit User] button in the [User List] window displays the [Edit User] window.

You can change management information on user accounts in the [Edit User] window.

Changes in the administrative information of User other than User Name can be done.

FIGURE 1.82 [Edit List] Window

Contact Designed	Serial Number: Status:	MCXXXXXXX -Johnson				Active:MMB#0	
System Partition User A	diministration Network Configuration	on Maintenance				Logout	
>User Administration >Use	er List >Edit User						
User List Change Password Who	Edit User	to apply all changes.				Help	
	User Name	Administrator					
	Current Password						
	Password					-	
	Confirm Password						
	Privilege	⊙Admin ⊖Ope	rator OUser OC	CE O Partition Ope	erator		
	Status						
	Full Name	Default Administrati	Default Administrator				
	Operable Partition (for Partition Oper		1	2	3	_	
			Apply				

Items	Description
User Name	Sets the user name.
	You can enter a total of 3 to 32 characters.
	You can enter the following characters in a user name:
	[0-9], [a-z], [A-Z], - (hyphen), _ (underscore).
	However, the first character of the user name must be a letter from a to z or A to Z.
Current Password	Used to enter the current password.
	Remark
	This item is not displayed in case of Add User windows.
Password	Sets the password.
	You can specify the following characters in a password:
	numeric characters: [0-9]
	characters: [a-z], [A-Z]
	special characters: ! " # \$ % & ' () = - ^ ~ ¥ @ `[/] { } : * ; + ? < . > , _
	The password is specified by the following rules.
	The number of characters that can be specified is from 8 to 32 characters.
	There are six kinds of characters of the password more.
	(The same character of capital letters and small letters becomes two kinds.)
	(example: If it is aabBcCee, become six kinds.)
	Do not become time sentence.
	(example: Madam etc.)
	The password that can be analogized cannot be specified .
	(example: Abcdefgh and 12345678, etc.)
Confirm Password	Used to reenter a password for confirmation.
Privilege	Sets the privileges of the user account.
	'Partition Operator' is not displayed in PRIMEQUEST 2800B3/2800B2/2800B.
Status	Sets the current status of this account.
	• Enabled
	Disabled
Full Name	Used to enter the user's real name or other related information.
	You can enter a total of up to 32 characters.
Operable Partition	This item is not displayed in PRIMEQUEST 2800B3/2800B2/2800B.
(for Partition	Sets the partitions that the user is permitted to operate.
Operator)	You can specify this only if [Partition Operator] is selected for [Privilege]. If the user
	privilege selected in [Privilege] is other than [Partition Operator], the window grays out
	the check boxes.
	Remark
	This item is not displayed in case of PRIMEQUEST 2800B3/2800B2/2800B model.

TABLE 1.93 Buttons in the [Add User] and [Edit User] windows

Buttons	Description
Apply	Adds or updates the user account, and returns to the [User List] window.
Cancel	Returns to the [User List] window without adding or updating the user account.

[Message]

Message Number	Message
I_00410	%aa will be added. Are you sure?
E_00032	No more User addition.
E_00409	Unable to change the privilege because the specified user is last Administrator.
I_00410	%aa will be changed. Are you sure?
W_00401	Username is too short.
W_00402	Password is too short.
W_00406	Invalid character is included in User Name.
W_00403	Invalid character is included in Password.
W_00462	The specified password is invalid.
W_00405	Invalid character is included in Full Name.
W_00407	Input characters are too long.
W_00408	Partitions are not selected.
	Please select at least one partition.

The following table lists the messages displayed in this window.

For details on the messages displayed on the window, see *PRIMEQUEST 2000 Series Message Reference* (CA92344-0540).

1.4.1.3 [Remove User] button

To delete a user account, select a user in the [User List] window, and then click the [Remove User] button. A deletion confirmation dialog box appears. Click the [OK] button to delete it. Click the [Cancel] button to cancel processing.

1.4.2 [Change Password] window

You can change the password of a logged-in user in the [Change Password] window.

FUĴÎTSU	Model: Part Number: Serial Number:	PRIMEQUEST2800E MCXXXXXX	Active:MMB#0		
	Status:	Normal			
System Partition Use	Advanstration Network Confi	guration Maintenance	Logout		
>User Administration >0	hange Password				
User List	Change De	sewond	Help		
□ Change Password □ Who	Change Password Change Password				
	Enter the new Pass	word for "Administrator" in the New Password and Confirm New Password fields.			
	Current Passw	ord			
	New Passwor	1			
	Confirm New	Password			
	-				
		Apply Cancel			
<		(Adda)			
	>				

Remarks

The entered password must consist of at least eight characters. The message to the effect that should be input by eight characters or more is displayed for eight characters or less. The password that can be analogized cannot be set again.

TABLE 1.94 Buttons in the [Change Password] window

Buttons	Description	
Apply	Registers the changed password.	
Cancel	Restores the original information and does not change the password.	

[Message]

Message Number	Message		
E_00012	One or more errors occurred while setting.		
E_00018	Information acquisition failed.		
E_00036	Changing Password failed.		
I_00037	Changing Password completed.		
W_00404	Password differs from the re-password.		
W_00402	Password is too short.		
W_00403	Invalid character is included in Password.		
I_00417	Are you sure?		
W_00462	The specified password is invalid.		

The following table lists the messages displayed in this window.

1.4.3 [Who] window

The [Who] window lists the users who connect to the MMB through the serial port, Telnet/SSH or the Web-UI.

FUĴÎTSU	Model: Part Number: Serial Number: Status:	PRIMEQUEST2800E MCXXXXXX Community Normal ration Maintenance			Active:MMB#0
Visiem Partition User User Administration >V	Advanseration Network Configu	rabon Maintenance			Logoat
User List Change Password Who	Who				Help
	User Name	re connected to the MMB now. Login Time	By	From	
	root	2013-04-16 13:05:12	Tehet SSH	10000000000	
	root	2013-04-16 13:22:09	Tehet/SSH	10000000000	
	Administrator	2013-04-16 13:03:33	WebUI	10000000000	
	Administrator	2013-04-16 13:22:32	WebUI	10.40.000.004	
	Administrator	2013-04-16 14:47:00	WebUI	Announces.	
	Administrator	2013-04-16 15:03:44	WebUI	10.00.007.73	

FIGURE 1.84 [Change Password] window

TABLE 1.95 Display items in the [Who] window

Items	Description				
User Name	Displays the name of the user logged in to the MMB through the serial port,				
	Telnet/SSH, or the Web-UI.				
Login Time	Displays the user's login time.				
Ву	Displays whether the Web-UI or Telnet/SSH was used for the login.				
	If the serial port was used for the login, this field displays "-" (hyphen).				
From Displays the host name or the IP address (IPv4 or IPv6 address) of a					
	the user logged in remotely.				
	If the host name can be identified from the DNS set on the MMB at the login time, this				
	field displays the host name. Otherwise, it displays the IP address.				
	If the serial port of the MMB was used for the login, the field displays "-" (hyphen).				
	If the user logged in from the Web-UI, the field displays only the IP address using the DNS.				

[Message]

The following table lists the messages displayed in this window.

Message Number	Message	
E_00098	Failed to get login user information	
	·	

1.4.4 [LDAP Configuration] window

LDAP function(Active Directory) can be available in BA15082, BB15082 or later version of firmware.

LDAP function(Novell eDirectory/OpenLDAP/OpenDS/Open DJ) can be available in BA15104, BB15104 or later version of firmware.

The setting content of LDAP function (Active Directory) changes in BA16036, BB16036 or later version of firmware. Please refer to the explanation of "TABLE 1.96 Display Items and Set Items of [Direcotory Service Configuration] Window" for details.

1.4.4.1 [Direcotory Service Configuration] Window

You can set the directory service configuration setting and the directory service access setting of the directory service in the [Directory Service Configuration] window, As for the display of this window, only the user of Administrator is possible.

FUJITSU System Partition User Adm	Model: Part Number: Serial Number: Status: Inistration Network Configur	PRIMEQUES MCXXXXXXX Normal				Active:MMB#1
>User Administration >LDAP						<u>Logou</u> ∨
User List Change Password Who LDAP Configuration Directory Service Config LDAP User Group List	Click the Apply But	ton to apply all change	·S.			Help
		Service Configuratio	n	OF	ble Disable	
	LDAP LDAP SSL				ble Disable ble Disable	
	Directory Serve	r Type			Directory V	
)	LDAP Server			
	Primary LDAP	Server	LDAP Port	389		
			LDAP SSL Port	636		
			LDAP Server			
	Backup LDAP	Server	LDAP Port	389		
			LDAP SSL Port	636		
	Domain Name					
	Base DN			DC=ad	fujitsu,DC=co,DC=jp	
	Groups director	y as sub-tree from ba	se DN			
	User Search Co	ontext				
	LDAP Group S	LDAP Group Scheme		group		
	LDAP Member	Scheme		membe	er	
						V
			Apply C	ancel Test	t LDAP	^
<	>					~

FIGURE 1.85 [Direcotory Service Configuration] Window(1/2)

The item that cannot be input according to the type of selected Directory Server Type is displayed in the grayout state.

				Activ	e:MMB#1
 User List Change Password 		Directory Service Config	guration		Help
Who		Backup LDAP Server	LDAP Port	389	
LDAP Configuration Directory Service Configu	ration		LDAP SSL Port	636	^
LDAP User Group List		Domain Name			
		Base DN		DC=adfujitsu,DC=co,DC=jp	
		Groups directory as sub-tree from bas	se DN		
		User Search Context			
		LDAP Group Scheme		group	
		LDAP Member Scheme		member	
	D	Directory Service Access Configuration	n		_
		LDAP Auth UserName			
		LDAP Auth Password			
		Confirm Password			
		Principal User DN			
		Append Base DN to Principal User D	N	Enable Disable	
		Bind DN		cn=adminadmin,ou=1-1,ou=fct,DC=adfujitsu,DC=co,DC=jp	
		Enhanced User Login		Enable Disable	
		User Login Search Filter		(&(objectclass=person)(cn=%s))	
٢	>		Appiy Ca	ncel Test LDAP	> < >

FIGURE 1.86 [Direcotory Service Configuration] Window(2/2)

The item that cannot be input according to the type of selected Directory Server Type is displayed in the grayout state.

	Items	Description
Glob	al Directory Service	Configuration
LDA	Р	Sets whether to enable or disable the LDAP function.
		· 🗆 Enable
		· Disable
		The default is Disable.
		Attention
		When the setting of LDAP is Enabled, only global user ID becomes possible the
		log in of MMB.
LDA	P SSL	Sets whether to enable or disable the SSL connection with the LDAP server.
		• 🗆 Enable
		· Disable
		The default is Disable.
Dire	ctory Server Type	Sets the directory service that the LDAP server uses.
		Active Directory
		Novell eDirectory
		· 🛛 OpenLdap
		• Dopen DS / Open DJ
<u> </u>		The default is Active Directory.
Prim	ary LDAP Server	Sets the Primary LDAP server.
	LDAP Server	Sets the IP address or the DNS name of Primary LDAP server.
		The DNS name is assumed to be 64 characters or less.
	LDAP Server	Sets the LDAP port of Primary LDAP server.
		You can specify 389 or a value in a range of 1024 to 65535.
		The default is 389.
	LDAP SSL Port	Sets the secure LDAP port of Primary LDAP server.
		You can specify 636 or a value in a range of 1024 to 65535.
D '		The default is 636.
	kup LDAP Server	Sets the Backup LDAP server.
	LDAP Server	Sets the IP address or the DNS name of Backup LDAP server.
		When the setting of backup LDAP server is unnecessary, the value of LDAP
		Server is not input.
		The DNS name is assumed to be 04 sharestory or loss
	LDAP Server	The DNS name is assumed to be 64 characters or less.
	LDAF SEIVEI	Sets the LDAP port of Backup LDAP server.
		You can specify 389 or a value in a range of 1024 to 65535.
		The default is 200
	LDAP SSL Port	The default is 389.
	LUAI GOL FUIL	Sets the secure LDAP port of Backup LDAP server.
		You can specify 636 or a value in a range of 1024 to 65535.
		The default is 626
Dom	ain Name	The default is 636.
		Sets the complete DNS path name of the directory server.
		The DNS name is assumed to be 64 characters or less.

TABLE 1.96 Display Items and Set Items of [Direcotory Service Configuration] Window

Items	Description
	When Directory Server Type is Active Directory, this item can be input.
Base DN	Sets the Base DN of the LDAP directory tree.
	·····
	The DN is assumed to be 127 characters or less.
	When Directory Server Type is Active Directory, this item cannot be input.
Groups Directory as	Sets the Group Directory under the control of Base DN.
sub-tree from base DN	
	The setting is 64 characters or less.
	The setting is changed as follows in BA16036, BB16036 or later version of
	firmware.
	• This item cannot be omitted, except when Directory Server Type is set to
	Active Directory.
	• When Directory Server Type is set to Active Directory and this item is a
	unsetting, a set value of Base DN becomes a retrieval beginning position.
User Search Context	Sets the User Search Context.
	The setting is 64 characters or less.
	When Directory Server Type is Active Directory, this item cannot be input.
	The setting is changed as follows in BA16036, BB16036 or later version of
	firmware.
	This item cannot be omitted, except when Directory Server Type is set to
	Active Directory.
	After Apply, a set value of Base DN is set to this item when Directory Server
	Type is set to Active Directory and this item is a unsetting.
LDAP Group Scheme	Sets the LDAP Group Scheme.
	The patting is 64 characters or loss
	The setting is 64 characters or less. The default is groupOfNames.
	When Directory Server Type is Active Directory, this item cannot be input.
	when biredory derver rype is Adave biredory, this tern dannot be input.
	The setting is changed as follows in BA16036, BB16036 or later version of
	firmware.
	Default is as follows by the setting of Directory Server Type.
	Active Directory : Group
	except Active Directory : GroupOfNames
	When Directory Server Type is Active Directory, this item can be input.
LDAP Member Scheme	Sets the LDAP Member Scheme.
	The setting is 64 characters or less.
	The default is member.
	When Directory Server Type is Active Directory, this item cannot be input.
	The setting is changed as follows in PA16026, PR16026, or later version of
	The setting is changed as follows in BA16036, BB16036 or later version of firmware.
	When Directory Server Type is Active Directory, this item can be input.
Directory Service Access	
LDAP Auth User Name	Sets the LDAP Auth User Name.
	You can enter a total of 3 to 32 characters.
	You can enter the following characters in a user name:
	[0-9], [a-z], [A-Z], - (hyphen), _ (underscore), . (dot)
	However, the first character of the user name must be a letter from a to z or A to

Items	Description
nomo	Z.
	When Directory Server Type is Active Directory, this item can be input.
LDAP Auth Password	Sets the LDAP Auth Password.
	Seis the LDAP Auth Password.
	Veu en enerit the fellowing characters is a necessary
	You can specify the following characters in a password:
	numeric characters: [0-9]
	characters: [a-z], [A-Z]
	special characters: ! " # \$ % & ' () = - ^ ~ ¥ @ `[/] { } : * ; + ? < . > , _
	The password is specified by the following rules.
	The number of characters that can be specified is from 8 to 32
	characters.
	There are six kinds of characters of the password more.
	(The same character of capital letters and small letters becomes two kinds.)
	(example: If it is aabBcCee, become six kinds.)
	Do not become time sentence.
	(example: Madam etc.)
	The password that can be analogized cannot be specified .
	(example: Abcdefgh and 12345678, etc.)
Confirm Password	Used to reenter a password for confirmation.
Principal User DN	Sets the Principal User DN.
	The setting is 64 characters or less.
	When Directory Server Type is Active Directory, this item cannot be input.
Append Base DN to	Sets whether Base DN is added to Principal User DN.
Principal User DN	When this option is Enable, Base DN is added to Principal User DN.
	The default is Disable.
	When Directory Server Type is Active Directory, this item cannot be input.
Bind DN	After the setting is stored, Principal User DN used by the LDAP authentication is
	displayed.
Enhanced User Login	Sets whether to enable or disable the Enhanced User Login.
	Because the flexibility at the user log in is enhanced when this option is Enable,
	the User Login Search Filter can be specified.
	° '
	The default is Disable.
	When Directory Server Type is Active Directory, this item cannot be input.
	The setting is changed as follows in BA16036, BB16036 or later version of
	firmware.
	When Directory Server Type is Active Directory, this item can be input.
User Login Search Filter	Sets the User Login Search Filter.
	The standard Search Filter "(&(objectclass=person)(cn=%s))" is displayed.
	Placeholder"%s" is replaced by corresponding global log in.
	A standard filter can be changed by specifying another attribute instead of "cn=".
	The setting is 64 characters or less.
	When Directory Server Type is Active Directory, this item cannot be input.
	The setting is changed as follows in BA16036, BB16036 or later version of
	firmware.
L	When Directory Server Type is Active Directory, this item can be input.

When the LDAP function is made effective, it is necessary to make a special account for Admin and for CE from CLI beforehand. Moreover, it is necessary to make one group with the Admin authority in LDAP User Group.

Because it becomes only an outside LDAP server when the LDAP function is made effective referring to the user attestation ahead, log in by local user ID becomes impossible. And, only global user ID becomes possible log in.

Global user ID indicates the user who belongs to the global group. When the global group is included in the universal group, it becomes an object.

The setting of backup LDAP server can be omitted though the setting of primary LDAP server is indispensable.

Buttons	Description
Apply	Sets the specified information.
Cancel	Does not set the information and returns to the original state.
Test LDAP	The access data is transmitted to the LDAP directory server.

[Message]

The following table lists the messages displayed in this window.

Message Number	Message
W_00426	Invalid values specified.
W_00435	Invalid Port number.
W_00437	The duplicate Port number was found.
I_00013	Setting completed.
W_00401	Username is too short.
W_00402	Password is too short.
W_00403	Invalid character is included in Password.
W_00404	Password differs from the re-password.
W_00406	Invalid character is included in UserName.
W_00407	Input characters are too long.
W_00616	The duplicate LDAP Server was found.
W_00617	LDAP cannot be set, because special account is not made.
W_00618	LDAP cannot be enabled, because LDAP User Group of the Admin privilege is not
	set.
I_00417	Are you sure?
I_00619	The Test LDAP sunceeded.
W_00620	The Test LDAP failed.

1.4.4.2 **[LDAP User Group List] Window** Information on each LDAP User Group registered now is displayed on [LDAP User Group List] Window, As for the display of this window, only the user of Administrator is possible.

FIGURE 1.87 [LDAP User Group List] Window

FUITSU	Model: Part Number: Serial Number: Status: imistration Network Configuration	PRIMEQUE MCD1AC111 Normal				Active:MMB#0
	Configuration >LDAP User Gro					~
User List Change Password Who	LDAP User Gro	157				Help
 LDAP Configuration Directory Service Configuration LDAP User Group List 				n to edit or rem		
	LDAP User Group Name		Privilege	Status	Operable Partition (for Partition Operator)	
	OMMB_Admin		Admin	Enabled	(for Partition Operator)	
			CE	Enabled		
< >		Add Group	Edit Group	Remove Grou	p Cancel	$\langle \rangle$

User Group can be edited by selecting LDAP User Group by the radiobutton. The grayout state is displayed to Group that Status is set to Disabled.

Items	Description
LDAP user group name	Displays the LDAP user group name.
	You can enter a total of 3 to 64 characters.
	You can enter the following characters in a group name:
	[0-9], [a-z], [A-Z], - (hyphen), _ (underscore), . (dot)
	However, the first character of the user name must be a letter from a to z or A to
	Ζ.
Privilege	Displays the Privilege of LDAP user group.
Status	Displays the status of present LDAP user group.
	• Enable
	· Disable
	The default is Disable.
	Attention
	When the setting of LDAP is Enabled, only global user ID becomes possible the
	log in of MMB.
Operable Partition	This item is not displayed in PRIMEQUEST 2800B3/2800B2/2800B.
(for Partition Operator)	Displays the partition that the user who belongs to LDAP user groups can operate.

TABLE 1.98 Display Items and Set Items of [LDAP User Group List] Window

TABLE 1.99 [LDAP User Group List] Window Buttons

Buttons	Description
Add Group	Displays the [Add Group] window.
Edit Group	Displays the [Edit Group] window.
Remove Group	Deletes the Group.
Cancel	Restores the original information and does not set the specified information.

[Message]

The following table lists the messages displayed in this window.

Message Number	Message
E_00031	Same name already exists. User addition failed.
E_00032	No more User addition.
E_00034	Unable to change the status to Disable because the specified user is last
	Administrator.
E_00035	The user is logining. User deletion failed.
I_00041	User addition was completed
I_00042	User information editing was completed.
I_00043	User deletion was completed.
W_00463	Select a User Name.
I_00464	%aa will be removed. Are you sure?
W_00404	Password differs from the re-password.

1.4.4.3 [Add LDAP User Group] Window [Add Group] clicks on a button on the [LDAP User Group List] Window, and the [Add LDAP User Group] Window is displayed.

User Group can be newly registered on the [Add LDAP User Group] Window. It is possible to register up to 16 groups or less.

FIGURE 1.88 [Add LDAP User Group] Window

FUĴÎTSU	Model: Part Number: Serial Number:	PRIMEQUEST 2800	Active:MMB#0
	Status: stration Network Configuration	Normal Mointenance	Logout
>User Administration >LDAP C			Logout
 User List Change Password Who LDAP Configuration 	Add LDAP User (Group	Help
 Directory Service Configur LDAP User Group List 	LDAP User Group Name	MMB_Admin ×	
	Privilege	Admin Operator OUser OCE OPartition Operator	_
	Status		-
	Operable Partition (for Partition Operator)	0 1 2 3 4 5 6 7 8 9 10 11	-
< >		Apply Cancel	\sim

The group is made when a necessary matter is input and the button of [Apply] is clicked and it returns to the [LDAP User Group List] Window.

On the [LDAP User Group List] Window, the group that registers can confirm it.

It returns to the [LDAP User Group List] Window without doing anything when the button of [Cancel] is clicked.

TABLE 1.100 Display Items and Set Items of [Add LDAP User Group] / [Edit LDAP User Group] Window

Items	Description		
LDAP user group name	Sets the LDAP user group name.		
	You can enter a total of 3 to 64 characters.		
	You can enter the following characters in a group name:		
	[0-9], [a-z], [A-Z], - (hyphen), _ (underscore), . (dot)		
	However, the first character of the user name must be a letter from a to z or A to		
	Ζ.		
Privilege	Sets the Privilege of LDAP user group.		
Status	Sets the status of present LDAP user group.		
	• 🗆 Enable		
	· Disable		
Operable Partition	his item is not displayed in PRIMEQUEST 2800B3/2800B2/2800B.		
(for Partition Operator)	Sets the partition that the user who belongs to LDAP user groups can operate.		
	Only when [Partition Operator] is selected with [Privilege], this item can be set.		
	The gray out is displayed to this check box when selecting it with [Privilege]		
	excluding [Partition Operator].		

TABLE 1.101 [Add LDAP User Group] / [Edit LDAP User Group] Window Buttons

Buttons	Description
Apply	Adds or updates the Group, and it returns to the [LDAP User Group List] Window.
Cancel	Restores the original information, and it returns to the [LDAP User Group List] Window.

[Message]

The following table lists the messages displayed in this window.

Message Number	Message
W_00426	Invalid values specified.
W_00407	Input characters are too long.
W_00408	Partitions are not selected.
	Please select at least one partition.
I_00410	%aa will be added. Are you sure?
I_00411	%aa will be changed. Are you sure?
W_00614	Invalid character is included in GroupName.
W_00615	Groupname is too short.
E_00607	Same name already exists. Group addition failed.
E_00609	Unable to change the status to Disable because the specified group is the last
	Administrator.
E_00610	Unable to change the privilege because the specified group is the last Administrator.
I_00611	Group addition was completed.
I_00612	Group information editing was completed.

1.4.4.4 [Edit LDAP User Group] Window

The group that wants to change the group administrative information is selected on the [LDAP User Group List] Window. The button of Edit Group is clicked, and the [Edit LDAP User Group] Window is displayed. The group administrative information other than LDAP User Group Name can be changed on the [Edit LDAP User Group] Window.

	FIGURE 1	.89 [Edit LDAP User Group] Window	
FUJITSU	Model: Part Number: Serial Number: Status:	PRIMEQUEST 2800 MCD1AC111 Normal	Active:MMB#0
System Partition User Admin >User Administration >LDAP (nistration <u>Network Configurat</u> Configuration >Edit LDAP Use		Logout 🗸
 User List Change Password Who 	Edit LDAP User	r Group	Help
 LDAP Configuration Directory Service Configuration 	Click the Apply Button to r	o apply all changes.	
LDAP User Group List	LDAP User Group Na	ame MMB_Admin	
	Privilege	● Admin ○ Operator ○ User ○ CE ○ Partition Operator	
	Status	⊖ Enabled ● Disabled	
	Operable Partition (for Partition Operate	0 1 2 3 4 5 6 7 8 9 10 11 or) I I I I I I I I I I	
< >		Apply Cancel	$\hat{}$

The group administrative information is changed when a necessary matter is input, and the button of [Apply] is clicked, and it returns to the [LDAP User Group List] Window.

The changed account can be confirmed on the [LDAP User Group Lis]t Window. It returns to the [LDAP User Group List] Window without doing anything when the button of [Cancel] is clicked.

Please refer to 1.4.4.3 [Add LDAP User Group] Window for "Display and set item of this Window", "Button of this Window", and "Message displayed on this Window".

1.4.4.5 [Remove Group] Window

When the group is deleted, the group is selected on the [LDAP User Group List] Window, and the button of Remove Group is clicked.

The dialog box to confirm the deletion is displayed.

The button of OK is clicked when deleting it.

The button of Cancel is clicked when canceling.

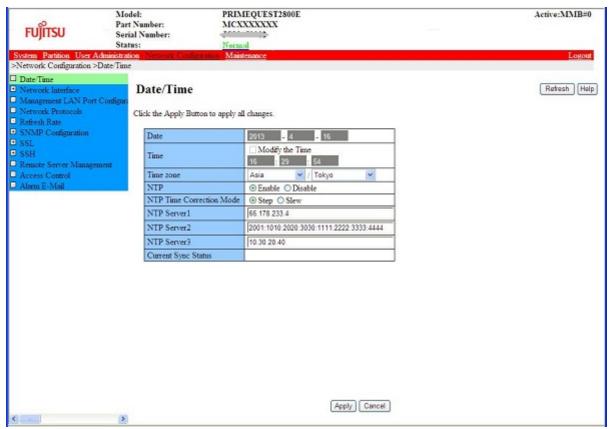
1.5 [Network Configuration] Menu

The [Network Configuration] menu is available only to users who have Administrator privileges.

1.5.1 [Date/Time] window

You can set the date and time of the MMB in the [Date/Time] window.





Itomo				
Items Date	Description			
Dale	Displays and sets the date. If only a date is specified and [Modify the Time] is unchecked, the specified date is set.			
	The time is defined as the instant when the [Apply] button is clicked.			
	For example, if you change the date to August 1 (during daylight savings time) at			
	13:00 on January 1 (outside daylight savings time), processing assumes that the			
	specified time and date are 13:00 on August 1.			
Time	Displays the [Date/Time] window display time (hh:mm:ss). This time is shown in 24- hour format.			
	To update the displayed time, the window must be refreshed.			
	If automatic refresh is set, the displayed time is the window refresh time.			
	To set a time, check the [Modify the Time] check box. With this check box checked,			
	the [hh:mm:ss] field can be set. With the check box unchecked, the [hh:mm:ss] field in			
	the window is grayed out.			
Time zone	Used to select a time zone from the pull-down menu.			
NTP	Sets whether to enable or disable the NTP function.			
	• Enable			
	· Disable			
	With [Enable] selected, the MMB synchronizes with the time of the NTP server specified below in [NTP1] to [NTP3].			
	It is synchronized with immediately after the Enable setting at the time of the server			
	side regardless of the setting of NTP Time Correction Mode.			
	The default is Disable.			
NTP Time Correction Mode	Sets an NTP time correction mode.			
Correction Mode	(This item is valid only if [NTP] is [Enable]. If it is set to [Disable], the item is grayed out.)			
	If the time difference with the NTP server is less than 128 milliseconds, the MMB uses Slew mode (0.0005 seconds per second) to correct the time. The MMB corrects the time as soon as the difference reaches 128 milliseconds. If the time difference is outside a range of -1000 to +1000 seconds (16 minutes and			
	minutes and 40 seconds), the NTP function stops.			
	- [Slew]:			
	The following action is taken depending on the time difference with the NTP server:			
	 If the difference is within a range of -600 to +600 seconds (10 minutes), the NTP executes Slew adjustment, which corrects the time 			
	at a rate of up to 0.0005 seconds per second without reversal.			
	If the difference is outside a range of -600 to +600 seconds (10 minutes) and within a range of 1000 to +1000 seconds (16 minutes)			
	minutes) and within a range of -1000 to +1000 seconds (16 minutes			
	and 40 seconds), the NTP executes Step adjustment. (In this case, the clock may be reversed.)			
	 If the difference is outside a range of -1000 to +1000 seconds (16 			
	minutes and 40 seconds), the NTP function stops.			
	The default is Step.			
NTP 1	Sets the IPv4 or IPv6 IP address of the NTP server.			
	(This item is valid only if [NTP] is [Enable]. If it is set to [Disable], the item is grayed			
	out.)			

Items	Description
NTP 2	Sets the IPv4 or IPv6 IP address of the NTP server.
	(This item is valid only if [NTP] is [Enable]. If it is set to [Disable], the item is grayed out.)
NTP 3	Sets the IPv4 or IPv6 IP address of the NTP server.
	(This item is valid only if [NTP] is [Enable]. If it is set to [Disable], the item is grayed out.)
Current Sync Status	 Displays the synchronous status with the current NTP server. When synchronized: Displays the latest synchronous time together with the IP address as follows: xxx.xxx.xxx.xxx yyyy-mm-dd -dd:mm:ss When not synchronized: Displays "No Sync." When ntpd stopped: Displays "Unknown" Remarks
l	To resume NTP function, set NTP to [Disable] and set it to [Enable] again.

TABLE 1.103	Buttons in the	[Date/Time] window
	Duttorio in tito	[Bato, mino] minaom

Buttons	Description
Apply	Sets the specified information.
Cancel	Restores the original information and does not set the specified information, such as the date and time zone.

(1) Menu Operation

[Network Configuration] - [Date/Time]

- (2) Window Operations1. Specify information s Specify information such as the date and time zone. Then, click the [Apply] button. This sets the information such as the date and time zone.

[Message]

The following table lists the messages displayed in this window.

Message Number	Message
I_00013	Setting completed.
E_00020	The IP address overlaps.
E_00100	Failed to set Date/Time information
W_00414	Invalid Date Format
W_00434	Invalid Time Format
W_00433	The duplicate IP address was found.
W_00432	Invalid IP Address specified.

Time synchronization with NTP

This section describes the operational specifications for the NTP client.

When starting time synchronization:

The NTP client on the MMB synchronizes the time at the start of operation, irrespective of the time difference with the NTP server.

- The NTP client on the MMB starts operation:
 - when the NTP services on the MMB are enabled (i.e., when [Enable] in the [NTP] field is checked and the [Apply] button is clicked in the [Network Configuration] [Date/Time] window), or
 - when the MMB is reset, the MMB redundancy is switched, and the AC power is turned from OFF to ON while the NTP services on the MMB are enabled.
- When starting time synchronization:

The time-adjusting method on the NTP varies depending on the NTP operation mode (Step mode or Slew mode).

- In Step mode, if the time difference between the synchronized NTP servers and the MMB is:
 - (1) within a range of -0.128 to +0.128 seconds, the NTP executes Slew adjustment, which corrects the time at a rate of up to 0.0005 per second without reversal.
 - (2) outside a range of -0.128 to +0.128 seconds and within a range of -1000 to +1000
 - seconds, the NTP executes Step adjustment. (In this case, the clock may be reversed.)(3) outside a range of -1000 to +1000 seconds, the NTP function stops.

In Slew mode, if the time difference between the synchronized NTP servers and the MMB is:

- within a range of -600 to +600 seconds (10 minutes), the NTP executes Slew adjustment, which corrects the time at a rate of up to 0.0005 per second without reversal.
- (2) outside a range of -600 to +600 seconds (10 minutes) and within a range of -1000 to +1000 seconds (16 minutes and 40 seconds), the NTP executes Step adjustment. (In this case, the clock may be reversed.)
- (3) outside a range of -1000 to +1000 seconds (16 minutes and 40 seconds), the NTP function stops.
- Time synchronization interval

The NTP client synchronizes at an interval of 64 to 1024 seconds. The initial synchronization interval is 64 seconds. As the synchronization accuracy becomes stable, this interval gradually doubles from 64 seconds to 128 seconds, then to 256 seconds, then to 512 seconds, and finally to 1024 seconds.

This increment algorithm for the synchronization interval conforms to RFC 1305. For details, see Sections 3.4.2 to 3.4.9 in RFC 1305.

- Stratum of the NTP servers on the MMB

The stratum of the NTP servers on the MMB is the value of stratum + 1 of the synchronized external NTP servers. Unless the NTP servers synchronize with external NTP servers, the stratum is 5.

- Support for leap seconds

The NTP on the MMB has no function for inserting leap seconds. Therefore, if you want to associate the MMB time with leap seconds, you need to synchronize it with an external NTP server that supports leap seconds.

If the NTP client on the MMB is set to Step mode, and the external NTP server slowly changes the time for the leap second adjustment, the MMB time may be adjusted with the Step adjustment when a time difference outside a range of -0.128 to +0.128 second occurs. To prevent the leap second adjustment from using Step adjustment, use Slew mode.

1.5.2 [Network Interface] window

The [Network Interface] menu has the following windows:

[IPv4 Interface] window [IPv6 Interface] window

1.5.2.1 [IPv4 Interface] window

You can set the IPv4 IP address for MMB access and other related items in the [IPv4 Interface] window.

FIGURE 1.91 [IPv4 Interface] window (PRIMEQUEST 2400E3/2800E3/2400E2/2800E2/2400E/2800E) (1)

FUjitsu	Par	del: t Number: ial Number: tus:	PRIMEQUEST2800E MCXXXXXXX 0000000001 Normal	Active:MMB#0
System Partition User Adm				Logout
>Network Configuration >Network	etwork	Interface >IPv4 Interf	ace	
 Date Time Network Interface IPv4 Interface 	D	Pv4 Interface		Help
 IPv6 Interface Management LAN Port Control 	ont		r all changes to take effect.	<u></u>
Network Protocols Refresh Rate	M	MB Virtual/Physical	IP Address	
 Refresh Rate SNMP Configuration 		Virtual IP Address		
E SSL		Hostname	PRIMEQUESTSWBG4	
SSH		IP Address	10 . 124 . 240 . 110	
Remote Server Manageme	nt	Subnet Mask	255 _ 255 _ 255 _ 0	
Access Control		Gateway address	10 . 124 . 240 . 1	
Alarm E-Mail		MMB#0 IP Address		
		Interface	○ Enable ③ Disable	
		Hostname (optional)		
		IP Address	0.0.0.0	
		Subnet Mask	255 . 255 . 255 . 255	
		Gateway address	0.0.0.0	
		DNS (optional)		
		DNS	○Enable	
		DNS Server 1	0.0.0	~
			(Apply) Cancel	
<	>			

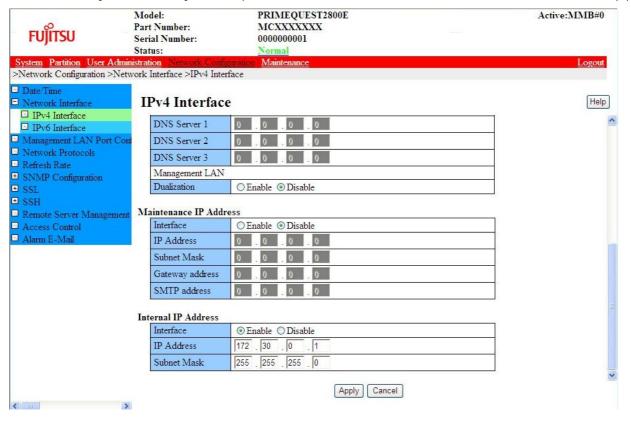


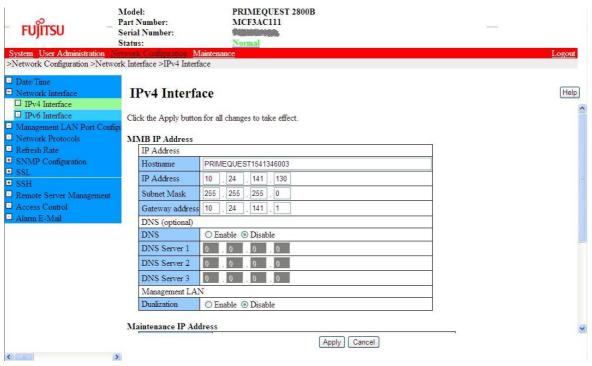
FIGURE 1.92 [IPv4 Interface] window (PRIMEQUEST 2400E3/2800E3/2400E2/2800E2/2400E/2800E) (2)

TABLE 1.104 Setting and display items in the [IPv4 Interface] window (PRIMEQUEST
2400E3/2800E3/2400E2/2800E2/2400E/2800E)

Items	Description			
MMB Virtual/Physical I				
Virtual IP Address	Sets the virtual IPv4 IP address for Web-UI access. If the MMB has a redundant configuration, the switched MMB will take over this virtual IP address.			
Hostname	 Sets the host name in FQDN format. You can enter the following characters: [a-z], [A-Z], [0-9], - (hyphen), . (period). Only the above characters can be specified. Also, the following restrictions apply: The character string must begin with an alphabetic character. The character string cannot begin or end with the following character specified: (hyphen) or . (period). The default is "PRIMEQUEST" + Product Serial Number. For example, if the serial number is 1020516004, the character string is "PRIMEQUEST1020516004". 			
	Remarks The setting in FQDN format is not required if you are not operating on the domain.			
IP Address	Sets the IP address.			
Subnet Mask	Sets the subnet mask.			
Gateway address	Sets the gateway IP address.			
MMB#0 IP Address	Sets the physical IP address assigned to the MMB#0 interface.This item is available only if the system has MMB#0.You cannot access the Web-UI from this interface.Unless MMB#0 is mounted, the window does not display the [MMB#0 IP Addre table.			
Interface	Enable Disable			
Hostname (optional)	Sets the host name in FQDN format.			
IP Address	Sets the IP address.			
Subnet Mask	Sets the subnet mask.			
Gateway address	Sets the gateway IP address.			
MMB#1 IP Address	Sets the physical IP address assigned to the MMB#1 interface. This item is available only if the system has MMB#1. You cannot access the Web-UI from this interface. Unless MMB#0 is mounted, the window does not display the [MMB#1 IP Address] table.			
Interface	Enable Disable			
Hostname (optional)	Sets the host name in FQDN format.			
IP Address	Sets the IP address.			
Subnet Mask	Sets the subnet mask.			
Gateway address	Sets the gateway IP address.			
DNS (optional)	Sets whether to use the DNS server			
DNS	Sets whether to use the DNS server.			
To use the DNS, select Enable.				
	The default is Disable.			
DNS Server 1	Sets the IP address of the Primary DNS server.			

Items	Description			
DNS Server 2	Sets the IP address of the Secondary DNS server.			
DNS Server 3	Sets the IP address of the Third DNS server.			
Management LAN	Duplicates the management LAN.			
Dualization	Duplicates the management LAN.			
	The default is Disable.			
Maintenance IP Addres	35			
Interface	Sets whether to enable or disable the CE/REMCS LAN interface.			
	In case of PRIMEQUEST 2400E3/2800E3/2800B3/2400E2/2800E2/2800B2			
	The default is Enable.			
	In case of PRIMEQUEST 2400E/2800E/2800B			
	The default is Disable.			
IP Address	Sets the IP address.			
	In case of PRIMEQUEST 2400E3/2800E3/2800B3/2400E2/2800E2/2800B2			
	The default is 192.168.1.1.			
Subnet Mask	Sets the subnet mask.			
	In case of PRIMEQUEST 2400E3/2800E3/2800B3/2400E2/2800E2/2800B2			
	The default is 255.255.255.0.			
Gateway address	Sets the gateway IP address.			
SMTP address	Sets the SMTP IP address.			
Internal IP Address				
Interface	Sets whether to enable or disable the Internal LAN interface.			
	The default is Disable.			
IP Address	Sets the IP address.			
Subnet Mask	Sets the subnet mask.			

FIGURE 1.93 [IPv4 Interface] window (PRIMEQUEST 2800B3/2800B2/2800B) (1)



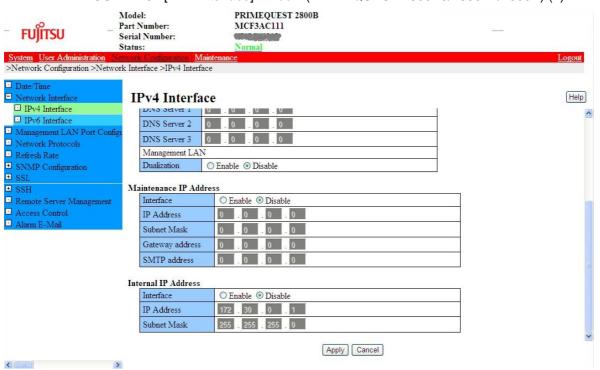


FIGURE 1.94 [IPv4 Interface] window (PRIMEQUEST 2800B3/2800B2/2800B) (2)

Items	Description			
MMB IP Address				
IP Address				
Hostname	Sets the host name in FQDN format.			
	You can enter the following characters:			
	[a-z], [A-Z], [0-9], - (hyphen), . (period).			
	Only the above characters can be specified.			
	Also, the following restrictions apply:			
	• The character string must begin with an alphabetic character.			
	The character string cannot begin or end with the following character specif -			
	(hyphen) or . (period).			
	The default is "PRIMEQUEST" + Product Serial Number.			
	For example, if the serial number is 1020516004, the character string is			
	"PRIMEQUEST1020516004".			
	Remarks			
	The setting in FQDN format is not required if you are not operating on the domain.			
IP Address	Sets the IP address.			
Subnet Mask	Sets the subnet mask.			
Gateway address	Sets the gateway IP address.			
DNS (optional)				
DNS	Sets whether to use the DNS server.			
	To use the DNS, select Enable.			
	The default is Disable.			
DNS Server 1	Sets the IP address of the Primary DNS server.			
DNS Server 2	Sets the IP address of the Secondary DNS server.			
DNS Server 3	Sets the IP address of the Third DNS server.			
Management LAN				
Dualization	Duplicates the management LAN.			
	The default is Disable.			
Maintenance IP Addres	SS			
Interface	Sets whether to enable or disable the CE/REMCS LAN interface.			
	In case of PRIMEQUEST 2400E3/2800E3/2800B3/2400E2/2800E2/2800B2			
	The default is Enable.			
	In case of PRIMEQUEST 2400E/2800E/2800B			
	The default is Disable.			
IP Address	Sets the IP address.			
	In case of PRIMEQUEST 2400E3/2800E3/2800B3/2400E2/2800E2/2800B2			
	The default is 192.168.1.1.			
Subnet Mask	Sets the subnet mask.			
	In case of PRIMEQUEST 2400E3/2800E3/2800B3/2400E2/2800E2/2800B2			
	The default is 255.255.255.0.			
Gateway address	Sets the gateway IP address.			
SMTP address	Sets the SMTP IP address.			
Internal IP Address				
Interface	Sets whether to enable or disable the Internal LAN interface.			
	The default is Disable.			
IP Address	Sets the IP address.			

TABLE 1.105 Setting and display items in the [IPv4 Interface] window (PRIMEQUEST 2800B3/2800B2/2800B)

Buttons	Description
Apply	Sets the entered information.
Cancel	Restores the original information and does not set the specified information, such as the IP address.

TABLE 1.106 Buttons in the [IPv4 Interface] window

(1) Menu Operation

[Network Configuration] - [Network Interface] - [IPv4 Interface]

(2) Window Operations

1. Select or enter the IP address, or other items of network interface information. Then, click the [Apply] button.

This sets the specified information, such as the IP address.

[Message]

The following table lists the messages displayed in this window.

Message Number	Message		
W_00433	The duplicate IP address was found.		
W_00538	Invalid hostname was found.		
W_00432	Invalid IP Address specified.		
I_00221	Unable to change Network Interface because the system is under maintenance.		
W_00595	It is IP address that duplicates with Console Redirection IP address.		
W_00596	TIt is the same subnet as MMB IP address.		
	Please change to a different subnet.		

1.5.2.2 **[IPv6 Interface] window** You can set the IP address for MMB access and other related items in the [IPv6 Interface] window.

FIGURE 1.95 [IPv6 Interface] window (PRIMEQUEST 2400E3/2800E3/2400E2/2800E2/2400E/2800E) (1)

FUĴĨTSU	Par Ser	del: t Number: ial Number: tus:	PRIMEQUEST2800E MCXXXXXXX 0000000001 Normal	Active:MMB#0
System Partition User Ada				Logout
 Date/Time Network Interface IPv4 Interface IPv6 Interface 	Network Interface IPv6 Interface IPv4 Interface Click the Apply button for all changes to take effect.			Help
 Management LAN Port Co Network Protocols Refresh Rate 	and the second second	MB Virtual/Physical I Virtual IP Address	P Address	1
 SNMP Configuration SSL SSH 		Hostname Automatic Acquisition	PRIMEQUESTSWBG4 Auto	
 Remote Server Manageme Access Control Alarm E-Mail 	nt	IP Address Prefix Length		-
		Gateway address MMB#0 IP Address	12	-
		Interface Hostname (optional) Automatic Acquisition	Cauto	-
		IP Address	2 Aug	-
		Prefix Length Gateway address	0 ::	-
<	>	DNS (optional)	[Apply] Cancel]	1 💌

FUJITSU	Model: Part Number: Serial Number: Status:	PRIMEQUEST2800E MCXXXXXXX 0000000001 Normal	Active:MMB#0
System Partition User Adr			Logout
>Network Configuration >Network			<u></u>
 Date Time Network Interface 	IPv6 Interface		Help
IPv4 Interface	IP Address		
 IPv6 Interface Management LAN Port C 	Prefix Length	0	
Network Protocols	Gateway address		
Refresh Rate	DNS (optional)		
SNMP Configuration	DNS	⊙Enable ⊙Disable	
SSL SSH	DNS Server 1	10 14	
Remote Server Manageme	mt DNS Server 2	43. 33	
Access Control	DNS Server 3	40.1 30.2	
Alarm E-Mail	Management LAN	20	
	Dualization	⊖Enable ⊙Disable	
	Maintenance IP Addre		
	Interface	○ Enable O Disable	
	IP Address		
	Prefix Length	0	
	Gateway address	ii	
	SMTP address		
< 1 mm	5	(Apply) Cancel	×

FIGURE 1.96 [IPv6 Interface] window (PRIMEQUEST 2400E3/2800E3/2400E2/2800E2/2400E/2800E) (2)

TABLE 1.107 Setting and display items in the [IPv6 Interface] window (PRIMEQUEST
2400E3/2800E3/2400E2/2800E2/2400E/2800E)

Items	Description		
MMB Virtual/Physical I			
Virtual IP Address	Sets the virtual IPv6 IP address for Web-UI access.		
	If the MMB has a redundant configuration, the switched MMB will take over this		
	virtual IP address.		
Hostname	Sets the host name in FQDN format.		
	You can enter the following characters:		
	[a-z], [A-Z], [0-9], - (hyphen), . (period).		
	Only the above characters can be specified.		
	Also, the following restrictions apply:		
	The character string must begin with an alphabetic character.		
	 The character string cannot begin or end with the following character specified: 		
	-		
	(hyphen) or . (period).		
	The default is "PRIMEQUEST" + Product Serial Number.		
	For example, if the serial number is 1020516004, the character string is		
	"PRIMEQUEST1020516004".		
	Remarks		
Automatic Acquisition	The setting in FQDN format is not required if you are not operating on the domain.		
	Automatically acquires data with a click of the [Auto] button. The global address,		
	prefix length, and gateway IP address are automatically acquired to overwrite		
IP Address	existing data.		
Prefix Length	Sets the IP address.		
Gateway address	Sets the prefix length. Sets the gateway IP address.		
MMB#0 IP Address	Sets the physical IP address assigned to the MMB#0 interface.		
	This item is available only if the system has MMB#0.		
	You cannot access the Web-UI from this interface.		
	Unless MMB#0 is mounted, the window does not display the [MMB#0 IP Address]		
	table.		
Interface	Sets whether to enable or disable the MMB#1 physical IP address.		
	The default is Disable.		
Hostname (optional)	Sets the host name in FQDN format.		
Automatic Acquisition	Automatically acquires data with a click of the [Auto] button. The global address,		
	prefix length, and gateway IP address are automatically acquired to overwrite		
	existing data.		
IP Address	Sets the IP address.		
Prefix Length	Sets the prefix length.		
Gateway address	Sets the gateway IP address.		
MMB#1 IP Address	Sets the physical IP address assigned to the MMB#1 interface.		
	This item is available only if the system has MMB#1.		
	You cannot access the Web-UI from this interface.		
	Unless MMB#0 is mounted, the window does not display the [MMB#1 IP Address]		
	table.		
Interface	Sets whether to enable or disable the MMB#1 physical IP address.		
	The default is Disable.		
Hostname (optional)	Sets the host name in FQDN format.		
Automatic Acquisition	Automatically acquires data with a click of the [Auto] button. The global address,		
	prefix length, and gateway IP address are automatically acquired to overwrite		
	existing data.		
IP Address	Sets the IP address.		

Items	Description		
Prefix Length	Sets the prefix length.		
Gateway address	Sets the gateway IP address.		
DNS (optional)	Sets whether to use the DNS server		
DNS	Sets whether to use the DNS server.		
	To use the DNS, select Enable.		
	The default is Disable.		
DNS Server 1	Sets the IP address of the Primary DNS server.		
DNS Server 2	Sets the IP address of the Secondary DNS server.		
DNS Server 3	Sets the IP address of the Third DNS server.		
Management LAN	Duplicates the management LAN.		
Dualization	Duplicates the management LAN.		
	The default is Disable.		
Maintenance IP Addres	SS		
Interface	Sets whether to enable or disable the CE/REMCS LAN interface.		
	The default is Disable.		
IP Address	Sets the IP address.		
Prefix Length	Sets the prefix length.		
Gateway address	Sets the gateway IP address.		
SMTP address	Sets the SMTP IP address.		
Internal IP Address			
Interface	Sets whether to enable or disable the Internal LAN interface.		
	The default is Disable.		
IP Address	Sets the IP address.		
Prefix Length	Sets the prefix length.		

FIGURE 1.97 [IPv6 Interface] window (PRIMEQUEST 2800B3/2800B2/2800B) (1)

FU)๊ทรบ		Number: l Number:	PRIMEQUEST 2800B MCF3AC111	_
System User Administration >Network Configuration >Network		k Configuration Mainte	lance	Logout
Date/Time Network Interface IPv4 Interface IPv6 Interface Management LAN Port Cor	I Ci	Pv6 Interface	ill changes to take effect.	(Help)
Network Protocols	M	MB IP Address		
 Refresh Rate SNMP Configuration 		IP Address		
SSL SSL		Hostname	PRIMEQUEST1541346003	
∃ SSH		Automatic Acquisition	Auto	
Remote Server Management	Ès -	IP Address		
Access Control		Prefix Length	0	
Alarm E-Mail		Gateway address	**	
		DNS (optional)		
		DNS	○ Enable ④ Disable	
		DNS Server 1	*	
		DNS Server 2		
		DNS Server 3	*	
		Management LAN		
		Dualization	○ Enable ④ Disable	
	>		Apply Cancel	×

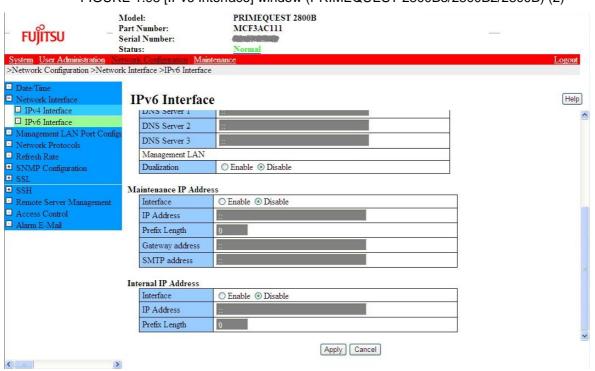


FIGURE 1.98 [IPv6 Interface] window (PRIMEQUEST 2800B3/2800B2/2800B) (2)

TABLE 1.108 Setting and display items in the [IPv6 Interface] window (PRIMEQUEST
2800B3/2800B2/2800B)

Items	Description		
MMB IP Address			
IP Address	Sets the virtual IPv6 IP address for Web-UI access.		
Hostname	Sets the host name in FQDN format.		
	You can enter the following characters:		
	[a-z], [A-Z], [0-9], - (hyphen), . (period).		
	Only the above characters can be specified.		
	Also, the following restrictions apply:		
	The character string must begin with an alphabetic character.		
	• The character string cannot begin or end with the following character specified:		
	(hyphen) or . (period).		
	The default is "PRIMEQUEST" + Product Serial Number.		
	For example, if the serial number is 1020516004, the character string is "PRIMEQUEST1020516004".		
	Remarks		
	The setting in FQDN format is not required if you are not operating on the domain.		
Automatic Acquisition	Automatically acquires data with a click of the [Auto] button. The global address,		
	prefix length, and gateway IP address are automatically acquired to overwrite		
	existing data.		
IP Address	Sets the IP address.		
Prefix Length	Sets the prefix length.		
Gateway address	Sets the gateway IP address.		
DNS (optional)			
DNS	Sets whether to use the DNS server.		
	To use the DNS, select Enable.		
	The default is Disable.		
DNS Server 1	Sets the IP address of the Primary DNS server.		
DNS Server 2	Sets the IP address of the Secondary DNS server.		
DNS Server 3	Sets the IP address of the Third DNS server.		
Management LAN			
Dualization	Duplicates the management LAN.		
	The default is Disable.		
Maintenance IP Addres			
Interface	Sets whether to enable or disable the CE/REMCS LAN interface.		
	The default is Disable.		
IP Address	Sets the IP address.		
Prefix Length	Sets the prefix length.		
Gateway address	Sets the gateway IP address.		
SMTP address	Sets the SMTP IP address.		
Internal IP Address			
Interface	Sets whether to enable or disable the Internal LAN interface.		
	The default is Disable.		
IP Address	Sets the IP address.		
Prefix Length	Sets the prefix length.		

Buttons	Description
Auto	A global address and the prefix length, etc. are automatically acquired.
Apply	Sets the entered information.
Cancel	Restores the original information and does not set the specified information, such as the IP address.

TABLE 1.109 Buttons in the [IPv6 Interface] window

(1) Menu Operation

[Network Configuration] - [Network Interface] - [IPv6 Interface]

- (2) Window Operations
- 1. Select or enter the IP address, or other items of network interface information. Then, click the [Apply] button.

This sets the specified information, such as the IP address.

[Message]

The following table lists the messages displayed in this window.

Message Number	Message		
W_00433	The duplicate IP address was found.		
W_00538	Invalid hostname was found.		
W_00432	Invalid IP Address specified.		
W_00532	Invalid Prefix Length.		
E_00533	Automatic Acquisition failure.		
I_00221	Unable to change Network Interface because the system is under maintenance.		
W_00595	It is IP address that duplicates with Console Redirection IP address.		
W_00596	TIt is the same subnet as MMB IP address.		
	Please change to a different subnet.		

1.5.3 [Management LAN Port Configuration] window

You can make the Speed/Duplex setting for each port on the MMB in the [Management LAN Port Configuration] window.

FIGURE 1.99 [Management LAN Port Configuration] window(PRIMEQUEST 2400E3/2800E3/2400E2/2800E2/2400E/2800E)

FUJITSU -	Model: Part Number: Serial Number: Status:	PRIMEQUEST 2800E	Active:MMB#1
System Partition Oser Administ >Network Configuration >Manage		ration Maintenance	Logout
 Date Time Network Interface Management LAN Port Config Network Protocols Refresh Rate 	g,	t LAN Port Configuration	Help
 Retresh Rate SNMP Configuration 	Speed/Duplex for M	MB#0	
● SSL ● SSH ■ Remote Server Management	User port Maintenance port REMCS port	Auto 💌	
 Access Control Alarm E-Mail 	Speed/Duplex for M		
	User port	Auto 🗸	
	Maintenance port		
	REMCS port	Auto	
< (m) 3	8	(Apply) Cancel	

FIGURE 1.100 [Management LAN Port Configuration] window(PRIMEQUEST 2800B3/2800B2/2800B)

FUĴÎTSU	Model: _ Part Number: Serial Number: Status:	PRIMEQUEST 2800B MCF3AC111 Normal	_
System User Administration >Network Configuration >Ma	Network Configuration Main anagement LAN Port Configuration	ntenance	<u>Logout</u>
Date/Time Network Interface Management LAN Port Co Network Protocols Refresh Rate	onfigu	LAN Port Configuration	Help
SNMP Configuration SSL SSH Remote Server Manageme Access Control	Maintenance port	Auto 💌	
Alarm E-Mail			
< <u> </u>	3	(Apply) Cancel	

TABLE 1.110 Setting and display items in the [Management LAN Port Configuration] window in case of PRIMEQUEST 2400E3/2800E3/2400E2/2800E2/2400E/2800E

Items	Description		
Speed/Duplex for MME	#0		
User port	Sets Speed/Duplex for the MMB#0 User port. • Auto • 100M/Full • 100M/Half • 10M/Full • 10M/Full • 10M/Half The default is Auto. Remarks The window displays this item only if MMB#0 is mounted. When User Port is used with 1G/Full, Auto is specified.		
Maintenance port	Sets Speed/Duplex for the MMB#0 Maintenance port. · Auto · 100M/Full · 100M/Full · 10M/Full · 10M/Full · 10M/Full · 10M/Half The default is Auto. Remarks The window displays this item only if MMB#0 is mounted.		
REMCS port	Sets Speed/Duplex for the MMB#0 REMCS port. · Auto · 100M/Full · 100M/Half · 10M/Half · 10M/Half Remarks		
Speed/Dupley for MME	The window displays this item only if MMB#0 is mounted		
Speed/Duplex for MME User port	Sets Speed/Duplex for the MMB#1 User port. · Auto · 100M/Full · 100M/Half · 10M/Full · 10M/Half · 10M/Half · 10M/Half		
	Remarks The window displays this item only if MMB#1 is mounted. When User Port is used with 1G/Full, Auto is specified.		

Items	Description	
Maintenance port	Sets Speed/Duplex for the MMB#1 Maintenance port.	
	· Auto	
	· 100M/Full	
	· 100M/Half	
	· 10M/Full	
	· 10M/Half	
	The default is Auto.	
	Remarks	
	The window displays this item only if MMB#1 is mounted.	
REMCS port	Sets Speed/Duplex for the MMB#1 Maintenance port.	
	· Auto	
	· 100M/Full	
	· 100M/Half	
	• 10M/Full	
	· 10M/Half	
	The default is Auto.	
	Remarks	
	The window displays this item only if MMB#1 is mounted.	

TABLE 1.111 Setting and display items in the [Management LAN Port Configuration] window in case of PRIMEQUEST 2800B3/2800B2/2800B

Items	Description		
Speed/Duplex for MMI	Speed/Duplex for MMB		
User port	Sets Speed/Duplex for the MMB User port. • Auto • 100M/Full • 100M/Half • 10M/Full • 10M/Half The default is Auto.		
	Remarks When User Port is used with 1G/Full, Auto is specified.		
Maintenance port	Sets Speed/Duplex for the MMB Maintenance port. Auto 100M/Full 100M/Full 10M/Full 10M/Half The default is Auto.		

TABLE 1.112	Buttons in the [Mana	gement LAN Port C	Configuration] window
-------------	----------------------	-------------------	-----------------------

Buttons	Description
Apply	Sets the entered information.
Cancel	Restores the original information and does not set the specified information for the Speed/Duplex setting.

(1) Menu Operation

[Network Configuration] - [Management LAN Port Configuration]

- Window Operations (2)
- Specify Speed/Duplex. Then, click the [Apply] button. This sets Speed/Duplex. 1.

Remarks

Reset MMB to initialize communication condition by the following procedure when you change Speed/Duplex.

The following procedure shows the case when MMB#0 is active MMB. If the Active MMB is different, MMB # 0 read MMB # 1 and execute.

[Dual MMB case]

- Log in to MMB Web-UI.
 Open Active MMB screen (MMB #0) and switch to Standby MMB.
 Select check box of [Switch Over to MMB] and click [Apply] button
- 3. Select check box of [Switch Over to MMB] and click [Apply] button.

Partition User Administration Network Configuration Maintenan

>System >MMB >MMB#0

System Status System Event Log Operation Log

MMB#0

Click the Apply Button to apply all changes.

operation Deg
Partition Event Log
System Information
Firmware Information
System Setup
System Power Control
LEDs
Power Supply
Fans
Temperature
± sB
🛨 IOU
🛨 PCI Box
□ OPL
🗆 MMB
Immon MMB#0
☑ MMB#1

Status		OK	
Role		Active	
Part Number		CA07603-D053 A3	
Serial Number		PP142702TR	
MAC Address	User port	2C:D4:44:F0:95:42	
MAC Address	Maintenance port	2C:D4:44:F0:25:6F	
Firmware Version		30.31	
Location LED		Off On Off	
		Reset the MMB	
Reset MMB		All existing network connections will be lost.	
		You will need to login again.	
		Switch Over to another MMB	
Switch Over to MMB		All existing network connections will be lost.	
		You will need to login again.	
Enable/Disable		Enable Disable	

Voltage	

Sensor	Voltage	Threshold	
ensor		Warning(Low/High)	Critical(Low/High)
P3.3VL	3.32 V	3.16/ 3.64 V	2.20/ 4.10 V
P1.5VL	1.49 V	1.39/ 1.61 V	0.97/ 1.81 V
P1.5VL_CPLD	1.49 V	1.39/ 1.61 V	0.98/ 1.81 V
P1.2VL	1.19 V	1.11/ 1.29 V	0.77/ 1.45 V
P1.0VL	0.99 V	0.92/ 1.08 V	0.64/ 1.21 V
P1.5VL P1.5VL_CPLD P1.2VL	1.49 V 1.49 V 1.19 V	1.39/ 1.61 V 1.39/ 1.61 V 1.11/ 1.29 V	0.97/ 1.81 V 0.98/ 1.81 V 0.77/ 1.45 V

Apply Cancel

- 4. Log in to MMB Web-UI again.
- 5. Open MMB#0 screen (Standby MMB) and reset it.

6. Select the check box [Reset the MMB] and click [Apply] button.

System Partition User Administration Network Configuration Main >System >MMB >MMB#0

>System >MMB >MMB#
System Status
System Event Log
Operation Log
Partition Event Log
System Information
Firmware Information
System Setup
System Power Control
LEDs
Power Supply
Fans
Temperature
± SB
∃ IOU
DCI_Box
OPL
□ MMB

MMB#0
 MMB#1

MMB#0

Click the Apply Button to apply all changes.

Status		OK	
Role		Standby	
Part Number		CA07603-D053 A3	
Serial Number		PP142702TR	
MAC Address	User port	2C:D4:44:F0:95:42	
MAC Address	Maintenance port	2C:D4:44:F0:25:6F	
Firmware Version		30.31	
Location LED		Off On Off	
Reset MMB		Reset the MMB All existing network connections will be lost. You will need to login again.	
Switch Over to MMB		Switch Over to another MMB All existing network connections will be lost. You will need to login again.	
Enable/Disable		Enable Disable	

Voltage

Sensor	Voltage	Threshold	
Sensor		Warning(Low/High)	Critical(Low/High)
P3.3VL	3.34 V	3.16/ 3.64 V	2.20/ 4.10 V
P1.5VL	1.49 V	1.39/ 1.61 V	0.97/ 1.81 V
P1.5VL_CPLD	1.49 V	1.39/ 1.61 V	0.98/ 1.81 V
P1.2VL	1.19 V	1.11/ 1.29 V	0.77/ 1.45 V
P1.0VL	0.99 V	0.92/ 1.08 V	0.64/ 1.21 V
P0.75VL	0.74 V	0.69/ 0.81 V	0.48/ 0.91 V

Apply Cancel

- 7. Confirm that the reset process is completed. Display MMB> MMB#0 of Web-UI and confirm that the items shown below are displayed correctly.
 - Part Number
 - Serial Number
- Firmware Version
- · Enable

System Partition User Administration Network Configuration Maintenance

System Status System Event Log

Operation Log
 Partition Event Log

LEDs
Power Supply
Fans
Temperature
SB
IOU
PCI_Box
OPL
MMB
MMB#0
MMB#1

System Information
 Firmware Information
 System Setup
 System Power Control

MMB#0

Click the Apply Button to apply all changes.

Status		OK
Role		Standby
Part Number		CA07603-D053 A3
Serial Number		PP142702TR
MAC Address	User port	2C:D4:44:F0:95:42
MAC Address	Maintenance port	2C:D4:44:F0:25:6F
Firmware Version		30.31
Location LED		Off On Off
Reset MMB		Reset the MMB All existing network connections will be lost. You will need to login again.
Switch Over to MMB		Switch Over to another MMB All existing network connections will be lost. You will need to login again.
Enable/Disable		● Enable ○ Disable

Voltage

, onage				
S	Voltaga	Threshold	Threshold	
Sensor	Voltage	Warning(Low/High)	Critical(Low/High)	
P3.3VL	3.32 V	3.16/ 3.64 V	2.20/ 4.10 V	
P1.5VL	1.49 V	1.39/ 1.61 V	0.97/ 1.81 V	
P1.5VL_CPLD	1.49 V	1.39/ 1.61 V	0.98/ 1.81 V	
P1.2VL	1.19 V	1.11/ 1.29 V	0.77/ 1.45 V	
P1.0VL	0.99 V	0.92/ 1.08 V	0.64/ 1.21 V	
P0.75VL	0.74 V	0.69/ 0.81 V	0.48/ 0.91 V	

A 1	0 1
Apply	Cancel

8. Repeat the operation for MMB#1 in steps 2 to 7, set it to Standby MMB, and execute the Reset operation.

[Single MMB case]

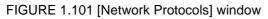
- 1. Open the MMB screen and reset.
- 2. Select the check box of [Reset the MMB] and click [Apply] button.

L

1.5.4 [Network Protocols] window

You can configure the network protocols of the MMB in the [Network Protocols] window.

	tration Network Configuration Maintenance		Logout
>Network Configuration >Network	rk Protocols		
 Date/Time Network Interface Management LAN Port Config 	Network Protocols		Нер
 Network Protocols Refresh Rate SNMP Configuration 	Click the Apply Button to apply all changes.		^
ssl	Web (HTTP/HTTPS)		
SSH	HTTP	● Enable ○ Disable	
Remote Server Management	HTTP Port#[80,1024-65535]	8081	
 Access Control Alarm E-Mail 	HTTPS	● Enable ○ Disable	
	HTTPS Port#[432,443,1024-65535]	432	
	TLS1.0/1.1	Enable O Disable	
	Timeout (sec) [0,60-9999]	600	
	Tehet		
	Telnet	● Enable ○ Disable	
	Telnet Port#[23,1024-65535]	23	
	Timeout (sec) [0,60-9999]	600	
	SSH		
	SSH	● Enable ○ Disable	
	SSH Port#[22,1024-65535]	22	
	Timeout (sec) [0,60-9999]	600	
	SNMP		
	SNMP Agent	● Enable ○ Disable	
	Agent Port#[161,1024-65535]	161	
	SNMP Trap	● Enable ○ Disable	
	Trap Port#[162,1024-65535]	162	
	-		
		Apply Cancel	
		Apply Cancel	



Items	Description	
Web (HTTP/HTTPS)		
HTTP	Sets Enable or Disable for HTTP.	
	The default is Disable.	
HTTP Port#	Sets the port number used for HTTP.	
	The default is 8081.	
HTTPS	Sets Enable or Disable for HTTPS.	
	The default is Disable.	
HTTPS Port#	Sets the port number used for HTTPS.	
	The default is 432.	
TLS1.0/1.1	Set enable/disable of TLS 1.0/1.1/1.2 connection permission of HTTPS.	
	Enable: Permit HTTPS connection with TLS1.0, TLS1.1, TLS1.2.	
	Disable: Permit HTTPS connection with onty TLS1.2	
	Default is Enable.	
	Remarks	
	If you set to Disable, certification is needed to replace.	
Timeout	Sets the length of time before a time-out due to no input causes the termination of an	
	HTTP or HTTPS connection.	
	You can specify 0 or a value in a range of 60 to 9999.	
	0 means there is no time-out.	
	The default is 600 seconds.	
	Remarks	
	When Dialog Box is displayed, the no time-out is not applied even if 0 is set.	
Telnet		
Telnet	Sets Enable or Disable for Telnet.	
	In case of PRIMEQUEST 2400E3/2800E3/2800B3/2400E2/2800E2/2800B2	
	The default is Enable.	
	In case of PRIMEQUEST 2400E/2800E/2800B	
	The default is Disable.	
Telnet Port#	Sets the port number used for Telnet.	
	The default is 23.	
Timeout	Sets the length of time before a time-out due to no input causes the termination of a	
	Telnet connection.	
	You can specify 0 or a value in a range of 60 to 9999.	
	0 means there is no time-out.	
	The default is 600 seconds.	
SSH		
SSH	Sets Enable or Disable for SSH.	
	The default is Disable.	
SSH Port#	Sets the port number used for SSH.	
Timesout	The default is 22.	
	Sets the length of time before the SSH connection is timed out.	
Timeout		
limeout	You can specify 0 or a value in a range of 60 to 9999.	
limeout	0 means there is no time-out.	
SNMP	0 means there is no time-out. The default is 600 seconds.	
	0 means there is no time-out. The default is 600 seconds. Sets Enable or Disable for SNMP Agent.	
SNMP SNMP Agent	0 means there is no time-out. The default is 600 seconds. Sets Enable or Disable for SNMP Agent. The default is Disable.	
SNMP	0 means there is no time-out. The default is 600 seconds. Sets Enable or Disable for SNMP Agent.	

Items	Description	
	The default is 161.	
SNMP Trap	Sets Enable or Disable for SNMP Trap.	
	The default is Disable.	
Trap Port#	Sets the port number used for SNMP Trap.	
	The specifiable port numbers are 162 and integers from 1024 to 65535.	
	The default is 162.	

Remarks

To set HTTPS to [Enable], a valid SSL certificate must be registered.

If you set HTTPS to [Enable] when no valid SSL certificate has been registered, an error message appears.

Buttons	Description	
Apply	Sets the specified information.	
Cancel Restores the original information and does not set the specified information, such as port numbers and the time-out time.		

(1) Menu Operation

[Network Configuration] - [Network Protocols]

- (2) Window Operations
- 1. Specify the port numbers, time-out time, or other items to set as protocol information. Then, click the [Apply] button.

This sets the specified information, such as the port numbers and time-out time.

[Message]

The following table lists the messages displayed in this window.

Message Number	Message
I_00013	Setting completed.
E_00044	The Port number overlaps.
W_00435	Invalid Port number.
W_00436	Invalid Timeout value.
W_00437	The duplicate Port number was found.
W_00438	Timeout setting is invalid.
E_00439	SSL Server Certificate is not found.
I_00440	HTTP Connection will be lost. You will need to login again.
	Are you sure?

1.5.5 [Refresh Rate] window

You can set automatic refresh for those Web-UI windows that display dynamic content, from the [Refresh Rate] window. Each user can make and manage this setting.

FUĴĨTSU	Model: Part Number: Serial Number: Status:	PRIMEQUEST2800E MCXXXXXXX Vocumental	Active:MMB#0
System Partition User	Administration Network Confi	Maintenance	Logout
 Network Configuration 3 Date Time Network Interface Management LAN Pool Network Protocols Refresh Rate SNMP Configuration SSI SSH Remote Server Manage Access Control Alarm E-Mail 	t Configur Click the Apply Bu Refresh Rate	te non to apply all changes. © Enable 10 (sec) O Disable	Hαφ
<	8	(Apply) Cancel	

FIGURE 1.102 [Refresh Rate] window

TABLE 1.115 Setting and display items in the [Refresh Rate] window

Items	Description	
Refresh Rate	Sets whether to automatically refresh the Web-UI windows that display dynamic content. With [Enable] specified, you can set the time interval of the automatic refresh in units of seconds. The specifiable time interval for [Refresh Rate] is in a range of 5 to 999 seconds. When the setting of Refresh Rate is Disable, it is not refreshed automatically. The default is Disable.	
	Remarks When Dialog Box is displayed, Refresh is not automatically done even if Refresh Rate is set in Enable.	

TABLE 1.116 Buttons in the [Refresh Rate] window

Buttons	Description	
Apply	Sets the specified information on refresh.	
Cancel	Restores the original information and does not set the specified refresh information.	

(1) Menu Operation

[Network Configuration] - [Refresh Rate]

- (2)
- Window Operations Specify [Enable] or [Disable] in [Refresh Rate]. If you select [Enable], enter the time interval. 1.
- Click the [Apply] button. 2. This sets the information for automatic refresh.

[Message]

The following table lists the messages displayed in this window.

Message Number	Message
I_00013	Setting completed.
W_00441	Range over error.

1.5.6 [SNMP Configuration] window

The [SNMP Configuration] menu has the following windows:

[SNMP Community] window

[SNMP Trap] window

[SNMP v3 Configuration] window

1.5.6.1 [SNMP Community] window

You can configure SNMP in the [SNMP Community] window.

You can specify up to 16 items for [Community/User] from the MMB.

FIGURE 1.103	ISNMP	Community	window
100KL 1.103		Community	window

Pa	odel: rrt Number: rrial Number: atus:	PRIMEQUEST28001 MCXXXXXXX			Act	ive:MMB#
vstem Partition User Administr		Normal Maintenance				Logo
letwork Configuration >SNMP						Logo
Date Tame Network Interface Management LAN Port Configu Network Protocols Refresh Rate SNMP Configuration Community Community SNMPV3 Configuration SSL		n to apply all changes. ion PRIMEQUEST				H
SH	A CONTRACTOR OF A CONTRACTOR O	na an ha anfandir Sate	m->System Information page.			
temote Server Management Access Control	Note) System Iva	me can be compared in Syste	m-> <u>system intormation</u> page.			
Alarm E-Mail	Community					
	Community/User		IP Address MASK	SNMP Version	Access	Auth
				1 🛩	Read Only 👻	noauth 👻
				1 -	Read Only 💌	noauth 🛩
	-			1 -	Read Only V	noauth 🖂
				1 🗸	Read Only 👻	noauth ~
				1 -	Read Only	noauth v
				1 -	Read Only	noauth ~
				1 -	Read Only	noauth v
				1 -	Read Only	
						noaith ~
				1 💌	Read Only 💌	noauth 🗠
				1 🗸	Read Only 👻	noauth Y
				1 🗸	Read Only 💌	noauth 🖂
				1 🗸	Read Only 👻	noauth Y
				1 🗸	Read Only 💌	noauth ~
				1 🗸	Read Only 💌	noauth 🖂
				1 🗸	Read Only 💌	noauth 🗵
				1 🛩	Read Only 💌	noauth ~
			Apply Cancel			

Items	Description
System Name	Displays the SNMP system name.
System Location	Sets the System Location of SNMP.
	You can use alphanumeric characters, spaces, and the following characters: ! " # \$ % & ' () = - ^ ~ ¥ @ ` [] { } : ; * + ? <> . , / _
	However, the following restrictions apply:
	• The character string cannot begin with a space or #.
	The character string cannot end with a space.
System Contact	Sets the System Contact for SNMP.
	The characters that can be specified for System Contact are the same as those for [System Location].
Community/User	Sets the SNMP Community string for SNMP v1 and v2.
	Alternatively, it sets the user name for SNMP v3.
	You can use alphanumeric characters and the following characters:
	! " # \$ % & '() * + , / @ [] ^_ ` { } ~
	However, the character string cannot begin with " (double quotation mark), # (number
	sign), ' (single quotation mark), or ` (back quotation mark).
IP Address/MASK	To specify an IP address: Enter the IP address.
	To specify a subnet: Enter the subnet and mask.
SNMP Version	Sets the SNMP version. (1, 2, 3)
Access	Sets whether to permit only reading or both reading and writing.
	Read Only
	Read Write
Auth	Sets the security level.
	You can specify this only if [3] is selected for [SNMP Version].
	noauth: Do not use the authentication function.
	auth: Use the authentication function.
	priv: Use the authentication function and "privacy" function (data encryption).
	With [1] or [2] selected for [SNMP Version], this item is grayed out and disabled. In
	this case, the only available security level is noauth.

TABLE 1 117 Se	etting and disp	lav items in the	[SNMP Community]	window
	oung ana alop	ay norrio in the		

TABLE 1.118 Buttons in the [SNMP Community] window

Buttons	Description
Apply	Sets the specified information.
Cancel	Restores the original information and does not set the specified information, such as the community or the IP address permitted access.

(1) Menu Operation

[Network Configuration] - [SNMP Configuration] - [Community]

(2) Window Operations

- Configuring information such as the community
- 1. Enter information such as the community, the IP address permitted access, the SNMP version, the access permission, and the authentication. Then, click the [Apply] button. This sets the entered information.
- Deleting information such as the community
- 1. Delete the community and the IP address permitted access. Then, click the [Apply] button. This clears the specified information.

[Message]

IOV	Dwing table lists the messages displayed in this window.				
	Message Number	Message			
	I_00013	Setting completed.			
	W_00595	It is IP address that duplicates with MMB IP address.			

The following table lists the messages displayed in this window.

For details on the messages displayed on the window, see *PRIMEQUEST 2000 Series Message Reference* (CA92344-0540).

1.5.6.2 [SNMP Trap] window

You can set SNMP trap destinations in the [SNMP Trap] window.

You can set up to 16 trap destinations.

FUITSU	Model: Part Number: Serial Number: Status: ministration	PRIMEQUEST2800E MCXXXXXX Vertext Name				Active:MX	MB4
Network Configuration >S Date Time Network Interface Management LAN Port C Network Protocols Refresh Rate SNMP Configuration Community	NMP Configuration >Trap SNMP Trap Configura						He
 Trap SNMPv3 Configuration 	0 10	IP Address	SNMP Version		Auth Type	Auth passphrase Priv passphrase	
) SSL) SSH) Remote Server Managem			1 -	noauth 🛩	MD5 ~		
Access Control Access Control Alarm E-Mail			1.4	noauth ~	MD5 ~		
			1 ~	noauth 🛩	MD5 ~		
			1 4	noauth 🛩	MD5 v		
			1 4	noauth 🛩	MD5 V		
			1 4	nosuth 🗠	MD5 V		
			1.~	noauth 🗠	MD5 ~		
			1.4	noauth 🛩	MD5 🛩		
			1 1	noauth 🛩	MD5 ~		
			1 ~	noauth 😪	MD5 ~		

FIGURE 1.104 [SNMP Trap] window

Items	Description
Community/User	Sets the SNMP community string for SNMP v1 and v2.
	Alternatively, it sets the user name for SNMP v3.
IP Address	Sets the IPv4 or IPv6 IP address of the trap destination.
SNMP Version	Sets the SNMP version. (1, 2, 3)
Auth	Sets the security level.
	You can specify this only if [3] is selected in [SNMP Version].
	noauth: Do not use the authentication function.
	auth: Use the authentication function.
	• priv: Use the authentication function and "privacy" function (data encryption).
	With [1] or [2] selected for [SNMP Version], this item is grayed out and disabled. In
	this case, the available security level will be only noauth.
Auth Type	Sets the hash function to encrypt passwords.
	· MD5
	· SHA
	This item takes effect only if [3] is selected for [SNMP Version]. With [1] or [2]
	selected for [SNMP Version], this item is grayed out and disabled.
Auth passphrase	Sets a passphrase for authentication.
	This item takes effect only if [3] is selected for [SNMP Version] and [auth] or [priv] is
	selected for [Auth].
Priv passphrase	Sets a passphrase for encryption.
	This item takes effect only if [3] is selected for [SNMP Version] and [priv] is selected
	for [Auth].

TABLE 1	.119 Settina	and display	items in the	ISNMP	Trap] window
				[•····	

TABLE 1.120 Buttons in the [SNMP Trap] window

Buttons	Description
Apply	Sets the specified information.
Cancel	Restores the original information and does not set the specified information, such as the
	community or user name, and the IP address of a trap destination.
Test Trap	Sends a test trap to the specified trap destination.

(1) Menu Operation

[Network Configuration] - [SNMP Configuration] - [SNMP Trap]

- (2) Window Operations
 - Configuring SNMP trap information
 - Enter the community or user name, the IP address of a trap destination, the SNMP version, and the authentication level. Then, click the [Apply] button. This sets the entered information.
 - Sending a test trap
 - 1. Click the [Test Trap] button.
 - This sends a test trap.

[Message]

The following table lists the messages displayed in this window.

Message Number	Message		
I_00013	Setting completed.		
W_00595	It is IP address that duplicates with MMB IP address.		

1.5.6.3 [SNMP v3 Configuration] window

You can set a unique Engine ID and users for SNMP v3 in the [SNMP v3 Configuration] window.

You can register a maximum of 16 users for SNMP v3. The window displays the user names of registered users.

Remarks

If you change the Engine ID or IP address, you need to reconfigure all the settings for the users set for SNMP v3 access.

The changes for the specified users take effect only after the SNMP Service is stopped and restarted. For this reason, clicking the [Apply] button temporarily stops SNMP Service and then automatically restarts it.

FUĴÎTSU	Model: Part Number: Serial Number: Status:	PRIMEQUEST2800E MCXXXXXXX JOLDING		Active:MMB#0
	Administration Network Com >SNMP Configuration >SNMP			Logout
Date Time Network Interface Management LAN Por Network Protocols Refresh Rate SNMP Configuration	SNMP v3 C	Configuration		Hel
 Community Trap 	Engine ID			
SNMPv3 Configurat	tion User			
) SSL) SSH	User Name	Auth Type	Auth passphrase Auth passphrase (confirm)	Priv passphrase Priv passphrase (confirm)
Remote Server Manage Access Control Alarm E-Mail	ement	MD5		
		MD5 SHA		
		• MD5 • SHA		
		• MD5 SHA		
		• MD5 SHA		
		• MD5 • SHA		
		MD5 SHA		
		• MD5 SHA		
		• MD5 SHA		
	2	- the second	Apply Cancel	11 1

FIGURE 1.105 [SNMP v3 Configuration] window

TABLE 1.121 Setting and display items in the [SNMP v3 Configuration] window

Items	Description
Engine ID	Sets the Engine ID.
	You can use alphanumeric characters, spaces, and the following characters:
	! " # \$ % & ' () = - ^ ~ ¥ @ ` [] { } : ; * + ? <> . , / _
	However, the following restrictions apply:
	The character string cannot begin with a space or #.
	• The character string cannot end with a space.

For an explanation of the setting and display items other than [Engine ID], see TABLE 1.119 Setting and display items in the [SNMP Trap] window.

Buttons	Description
Apply	Sets the specified information.
Cancel	Restores the original information and does not set the specified information.

TABLE 1.122 Buttons in the [SNMP v3 Configuration] window

(1) Menu Operation

[Network Configuration] - [SNMP Configuration] - [SNMPv3 Configuration]

(2) Window Operations

- Correcting the information on the selected user
- Check the check box of the user. Then, enter any necessary information. Finally, click the [Apply] button.
 This applies the information on the collected user. Meanwhile, the SNMP Service store and

This enables the information on the selected user. Meanwhile, the SNMP Service stops once and then restarts.

Disabling the selected user

1. Check the check box of the user to set to disable. Leave the [User Name] blank. Then, click the [Apply] button.

This disables the selected user.

[Message]

The following table lists the messages displayed in this window.

Message Number	Message
I_00013	Setting completed.

1.5.7 [SSL] menu

The [SSL] menu has the following windows:

[Create CSR] window

[Export Key/CSR] window

[Import Certificate] window

[Create Selfsigned Certificate] window

1.5.7.1 [Create CSR] window

You can create a secret key and the corresponding CSR (certificate signing request) in the [Create CSR] window.

The following input items follow the guidelines issued by each certificate authority independently. Therefore, enter these items in accordance with the guidelines of the certificate authority selected as the destination.

FUĴĨTSU	Model: Part Number: Serial Number: Status:			Active:MMB#0
System Partition User Ad		suration Mainte	nance	Logout
>Network Configuration >S	SL >Create CSR			
 Date Time Network Interface Management LAN Port C 	Create CS	R		Help
 Network Protocols Refresh Rate 	Click the Create C	SR Button for c	eating a new Key and a CSR(Certificate Signing Reque	z).
 SNMP Configuration SSL 	SSL certificate stat	us:No certificate		
Create CSR	Key length		024 0 2048	
 Export Key/CSR Import Certificate 	Country Name(IS	O ex.[JP][US])		
Create Selfsigned Certi	ficate State or Province	Name		
 SSH 	Locality Name			
Remote Server Managem Access Control	organization Nan	ie .		
Alarm E-Mail	Organization Unit	Name		
	Common Name			
	E-Mail Address			
			Create CSR Cancel	
¢	2			

FIGURE 1.106 [Create CSR] window

Items	Description
SSL certificate status	Displays the current installation status of a SSL certificate.
	No certificate is installed.
	CSR has been generated.
	A signed certificate is installed.
Key length	Used to select the length of the secret key to be created (in bits).
	• 1024
	· 2048
Country Name	Sets the ISO country code for the owner specified in the created CSR. The country
	code must be two alphabetic characters.
	Example:
	Japan: JP; USA: US
State or Province	Sets the state or province name of the owner specified in the created CSR. The
Name	name must consist of up to 56 specifiable characters.
Locality Name	Sets the locality name of the owner specified in the created CSR. The name must
	consist of up to 56 specifiable characters.
Organization Name	Sets the organization name (company name) of the owner specified in the created
	CSR. The name must consist of up to 56 specifiable characters.
Organization Unit	Sets the organization unit name of the owner specified in the created CSR. The
Name	name must consist of up to 56 specifiable characters.
Common Name	Sets the FQDN of the server of the owner specified in the created CSR. The FQDN
	must consist of up to 56 specifiable characters (e.g., www.mycompany.com). The
	browser uses this information to identify the website. To establish secure
	connections, some browsers reject an electronic certificate if the Common Name in it
	does not match the server name. [Common Name] cannot include an http:// protocol
	specifier, port number, or path name. Also, IP addresses and wildcard characters
	such as * or ? are prohibited.
E-Mail Address	Sets the e-mail address of the owner specified in the created CSR. The address
	must consist of up to 40 specifiable characters.

TABLE 1.124 Buttons in the [Create CSR] window

Buttons	Description
Create CSR	Creates a secret key and a CSR.
Cancel	Restores the original information and does not set the specified information.

(1) Menu Operation

[Network Configuration] - [SSL] - [Create CSR]

(2) Window Operations

1. Specify information such as the length of a secret key and the ISO country code of the owner. Then, click the [Create CSR] button.

A dialog box appears with a message stating that the previous secret key will be unusable once a new secret key is created.

 Click the [OK] button in the dialog box. This creates a new secret key and CSR. They can take a few minutes to create. When creation is completed, a confirmation dialog box appears.

FIGURE 1.107 Confirmation dialog box

Micros	soft Internet Explorar
?	I 00465 A new Key and a CSR are generated successfully. To use the new Key, click "OK" button. OK Cancel

3. Click the [OK] button in the confirmation dialog box to set the new secret key. After the new secret key is set, the [Export Key/CSR] window appears.

[Message]

The following table lists the messages displayed in this window.

Message Number	Message
W_00426	Invalid values specified.
I_00444	Previous private key will be overwritten with new private key.
	Are you sure?
I_00465	A new Key and a CSR are generated successfully.
	To use the new Key, click "OK" button.
E_00012	One or more errors occurred while setting.
E_00018	Information acquisition failed.

1.5.7.2 [Export Key/CSR] window

You can export a secret key or CSR (certificate signing request) stored on the MMB from the [Export Key/CSR] window.

Remarks

For security reasons, be careful with the storage of a secret key.

Also, you need this secret key to use the electronic certificate for the key. We recommend you create a backup of the secret key.

FIGURE 1.108 [Export Key/CSR] window

FUJITSU	Model: Part Number: Serial Number: Status:	PRIMEQUEST2800E MCXXXXXXXX 	Active:MMB#0
System Partition User A			Logout
>Network Configuration >			
System Partition User A >Network Configuration > Date Time Network Interface Management LAN Port Network Protocols Refresh Rate SNMP Configuration SSL Create CSR Export Key CSR Import Certificate Create Selfsigned Ce SSH Remote Server Manage Access Control Alarm E-Mnl	SSL >Export Key/CSR Configur To export the priva To export the CSR Titlicate	Areasen Minterance y/CSR te key, click the Export Key Button. , click the Export CSR Button.	Loggant Help
K	×	Export Key Export CSR	

TABLE 1.125 Buttons in the [Export Key/CSR] windo	ГABLE 1.125	xport Key/CSR] window
---------------------------------------------------	-------------	-----------------------

Buttons	Description
Export Key	Exports the secret key.
Export CSR	Exports the CSR.

(1) Menu Operation

[Network Configuration] - [SSL] - [Export Key/CSR]

- (2) Window Operations
 - Exporting the secret key
 - Click the [Export Key] button. A dialog box appears. 1.

 - Specify the save path. 2.
 - This saves the secret key to the specified path.
 - Exporting the CSR
 - Click the [Export CSR] button. A dialog box appears. 1.

 - 2. Specify the save path.
 - This saves the CSR to the specified path.

[Message]

The following table lists the messages displayed in this window.

Message Number	Message
I_00013	Setting completed.
I_00445	Private Key is exported. Are you sure?
I_00446	CSR is exported. Are you sure?
W_00447	Private Key doesn't exist.
W_00448	CSR doesn't exist.

1.5.7.3 [Import Certificate] window

You can import a signed electronic certificate from a certificate authority to the MMB in the [Import Certificate] window.

FUĴÎTSU	Model: Part Number: Serial Number: Status:	PRIMEQUEST2800E MCXXXXXXX Victoria	Active:MMB#0
System Partition User		guration Maintenance	Logout
>Network Configuration	n >SSL >Import Certificate		
 Network Configuration Date Time Network Interface Management LAN P. Network Protocols Refresh Rate SNNP Configuration SSI Create CSR Export Key/CSR Import Certificate Create Selfsigned 0 SSH Remote Server Mana Access Control Alarm E-Mail 	Certificate	rtificate Scate, select a cert file and click "Import" button. 愛照	[felp]
*	3	[Import] Cancel	

FIGURE 1.109 [Import Certificate] window

TABLE 1.126 Buttons in the [Import Certificate] window

Buttons	Description
[Browse]	Displays the window used to select an imported electronic certificate.
Import	Imports the electronic certificate.
Cancel	Cancels importing.

(1) Menu Operation

[Network Configuration] - [SSL] - [Import certificate]

(2) Window Operations

1. Click the [Browse...] button to select an imported file. Then, click the [Import] button. This imports the electronic certificate.

[Message]

The following table lists the messages displayed in this window.

Message Number	Message
I_00013	Setting completed.
I_00046	Importing has completed.
E_00047	Importing failed.
W_00449	A certificate file is not selected yet.
I_00450	%aa is imported. Are you sure?

1.5.7.4 [Create Selfsigned Certificate] window You can create a selfsigned certificate in the [Create Selfsigned Certificate] window.

Remarks

Before creating a selfsigned certificate, confirm that [HTTPS] is set to [Disable] in the [Network Protocols] window. If it is set to [Enable], change it to [Disable]. Then, proceed to the operations in this window.

FUĴÎTSU	Model: Part Number: Serial Number: Status:	PRIMEQUEST2800E MCXXXXXXX Construction	Active:MMB#0
System Partition User A		eation Maintenance	Logent
	SSL >Create Selfsigned Certifi	ate	
Date Time Network Interface Management LAN Port	Create Self	igned Certificate	Help
Network Protocols Refresh Rate		he fields then click the Create Selfsigned Certificate button to create a new	selfsigned certificate.
 SNMP Configuration SSL 	SSL certificate statu	:No certificate is installed.	
Create CSR	Key length	@ 1024 ○ 2048	
Export Key/CSR	Term(1-4095 days		
Import Certificate Create Selfsigned Ce	country Name(ISO	ex.[JP][US])	
■ SSH	State or Province)		
Remote Server Manage	ment Locality Name		
Access Control Alarm E-Mail	Organization Name		
a banda nar an ar an an an	Organization Unit 1	ame	
	Common Name		
	E-Mail Address		
		Create Selfsigned Certificate	n

TABLE 1.127 Display items in the [Create Selfsigned Certificate] window

Items	Description
Term	Sets the valid term of a selfsigned certificate as a number of days.
For details on other items, see [Create CSR] window.	

Buttons	Description
Create Selfsigned Certificate	Creates a selfsigned certificate.
Cancel	Cancels the creation of the certificate.

(1) Menu Operation

[Network Configuration] - [SSL] - [Create Selfsigned Certificate]

- (2) Window Operations
- 1. Before creating a selfsigned certificate, confirm that [HTTPS] is set to [Disable] in the [Network Protocols] window.
- Specify information such as the length of the secret key and the ISO country code of the owner. Then, click the [Create Selfsigned Certificate] button. A confirmation dialog box appears.
- 3. Click the [OK] button in the dialog box.
 - This creates the selfsigned certificate. It takes a few minutes to create. When creation is completed, the window is updated. This updated window displays the message "SSL certificate status: A signed certificate is installed."

[Message]

The following table lists the messages displayed in this window.

Message Number	Message	
I_00013	Setting completed.	
W_00426	Invalid values specified.	
I_00444	Previous private key will be overwritten with new private key. Are you sure?	

1.5.8 [SSH] menu

The [SSH] menu has the [Create SSH Server Key] window.

[Create SSH Server Key] window

You can create a private key for the SSH server in the [Create SSH Server Key] window.

*Private Key necessary to make the SSH function of MMB effective is made.

Remark

If you do not create a private key, it will be recreated when MMB is restarted with firmware update or power off / on. To use it permanently, you need the following work.

FUĴÎTSU	Model: Part Number: Serial Number: Status:	PRIMEQUEST2800E MCXXXXXXX J005450000- Normal	Active:MMB#0
System Partition User J		auration Maintenance	Logout
 Network Configuration > Date Time Network Interface Management LAN Port Network Protocols Refresh Rate SNMP Configuration SSI SSH SSH SSH Server Key Remote Server Manage Access Control Alarm E-Mail 	SSH >SSH Server Key Coefigur SSH server key st	H Server Key max SSH server key is NOT installed.	Hap.
¢	>		

FIGURE 1.111 [Create SSH Server Key] window

TABLE 1.129 Buttons in the [Create SSH Server Key] window

Buttons	Description
Create SSH Server Key	Creates a private key for the SSH server.

(1) Menu Operation

[Network Configuration] - [SSH] - [Create SSH Server Key]

- (2) Window Operations
- 1. Before you create a private key, confirm that [SSH] is set to [Disable] in the [Network Protocols] window.
- 2. Click the [Create SSH Server Key] button.
- This creates the private key. It can take a few minutes to create. When creation is completed, a confirmation dialog box appears.
- To register the newly created private key, click the [OK] button. This registers the new private key. To cancel registration of the new private key, click the [Cancel] button. This discards the new private key.

[Message]

The following table lists the messages displayed in this window.

Message Number Message		Message		
	I_00013	Setting completed.		
I_00453 SSH Server Key is generated successfully.		SSH Server Key is generated successfully.		
		To install this new SSH Server Key click "OK" button.		

1.5.9 [Remote Server Management] window

You can specify the users who need to remotely manage the MMB via RMCP, in the [Remote Server Management] window.

Up to 24 users can be registered.

The default settings for all users are [Disabled] status and [No Access]. Also, a default user name from [User1] to [User24] is assigned to each user.

For remote management of the MMB via RMCP, you need to specify [User Name], [Password], and [Privilege] to place the users of the managed MMB in the [Enabled] status.

Remote access authentication uses the user name and password of a user in the [Enabled] status.

FUĴĨTSU	Model: Part Number: Serial Number: Status:	PRIMEQUEST2800E MCXXXXXXX		Active:MMB#0
System Partition User	Administration Network Configuration	non Maintenance		Logout
Network Configuration	>Remote Server Management			
Date Time Network Interface Management LAN Po Network Protocols Refresh Rate	rt Configura	er Management ist, then click the Edit button to edit	the user.	Hel
SNMP Configuration	User Name	Privilege	Status	
SSL	 ADMINISTRAT 	OR Admin	Enabled	
SSH Remote Server Manas	O User1	No Access	Disabled	
Access Control	O User2	No Access	Disabled	
Alarm E-Mail	O User3	No Access	Disabled	
	O User4	No Access	Disabled	
	O User5	No Access	Disabled	
	O User6	No Access	Disabled	
	O User7	No Access	Disabled	
	O User8	No Access	Disabled	
	O User9	No Access	Disabled	
	O User10	No Access	Disabled	
	O User11	No Access	Disabled	
	O User12	No Access	Disabled	
	O User13	No Access	Disabled	
	O User14	No Access	Disabled	
	O User15	No Access	Disabled	
	○ User16	No Access	Disabled	
	O User17	No Access	Disabled	
	O User18	No Access	Disabled	
	O User19	No Access	Disabled	
	2	doe to t	Edit Cancel	

FIGURE 1.112 [Remote Server Management] window

Items	Description		
User Name	Displays a user name.		
	The name can have a total of 3 to 16 characters.		
Privilege	Displays the privileges of the user account.		
	· Admin		
	· Operator		
	· User		
	· CE		
	· No Access (Users for which [No Access] is selected will no longer have the capability		
	of remote access.)		
Status	Displays the current status of the account.		
	Enabled		
	· Disabled		

TABLE 4 464	.		
TABLE 1.131	Buttons in the I	Remote Server	Management] window

Buttons	Description	
Edit	Displays the [Edit User] window.	
Cancel	Restores the original information and does not set the management information for the selecte user.	

(1) Menu Operation

[Network Configuration] - [Remote Server Management]

- (2) Window Operations
- 1. Click the radio button of the user you want to specify. Then, click the [Edit] button. you want to specify. Then, click the [Edit] button.
- 2. Specify the user management information in the [Edit User] window.

[Message]

The following table lists the messages displayed in this window.

Message Number	Message
E_00053	Failed to get user status. Retry 60 seconds later.
W_00413	Nothing is selected.

[Edit User] window

You can change the management information on a user in the [Edit User] window.

FIGURE 1.113 [Edit User] window

FUĴĨTSU	Model: Part Number: Serial Number: Status:	PRIMEQUEST2800E MCXXXXXX Concernity		Active:MMB#0
System Partition User A	dministration Network Config Remote Server Management	anation Maintenance		Logout
Network Comparation > Date Time Network Interface Management LAN Port Network Protocols Refresh Rate	Configure Edit User	ton to apply all changes.		Help
 SNMP Configuration 	User Name	ADMINISTRATOR		
SSL SSH	Password			
Remote Server Manager	ment Confirm Password			
Access Control	Privilege	Admin 🗸		
Alarm E-Mail	Status	⊙Enabled ○ Disabled		
<	2		Apply Cancel	

TABLE 1.132 Display and setting items in the [Edit User] window

Items	Description			
User Name	Specifies a user name.			
	The name can have a total of 3 to 16 characters.			
	The user name can contain the following characters:			
	0 to 9, a to z, and A to Z (alphanumeric characters only).			
Password	Specifies a password.			
	The name can have a total of 8 to 16 characters.			
	The password can contain the following characters:			
	0 to 9, a to z, and A to Z (alphanumeric characters only).			
Confirm Password	Used to reenter a password for confirmation.			
Privilege Specifies the privileges of the user account.				
	• Admin			
	· Operator			
	· User			
	· CE			
	· No Access (Users for which [No Access] is selected will no longer have the			
	capability of remote access.)			
Status	Specifies the current status of the account.			
	· Enabled			
	· Disabled			

Buttons	Description
Apply	Sets the specified management information.
Cancel	Restores the original information and does not set the specified information, such as a user name and password.

TABLE 1.133 Buttons in the [Edit User]

(1) Menu Operation

[Network Configuration] - [Remote Server Management] - [Edit] button

- (2) Window Operations
- 1. Specify the user management information, such as a user name and password. Then, click the [Apply] button.

This sets the user management information.

[Message]

The following table lists the messages displayed in this window.

Message Number	Message
I_00013	Setting completed.
W_00401	Username is too short.
W_00402	Password is too short.
W_00454	%aa is duplicated.
W_00406	Invalid character is included in User Name.
W_00403	Invalid character is included in Password.
W_00455	Both passwords are mismatched. Please try again.

1.5.10 [Access Control] window

You can control access through network protocols to ensure MMB security in the [Access Control] window.

You can configure up to 64 filters. These filters are displayed alphabetically by protocol name.

Remarks

You can register multiple access control filters with the same configuration. These filters do not affect operation.

FIGURE 1.114 [Access Control] window

FUĴĨTSU	Model: Part Number: Serial Number:	PRIMEQUEST2800E MCXXXXXXX Votement	Active:MMB#0
	Status:	Normal	
System Partition User /		nation Maintenance	Logout
>Network Configuration >	Access Control		
 Network Configuration 3 Date/Time Network Interface Management LAN Port Network Protocols Refresh Rate SNMP Configuration SSH SSH Remote Server Manage Access Control Altern E-Mail 	Configur Click Add Fiber bu Select a fiber from to Select Protoco	tton to add a new filter. he Est then click Edit Remove Filter button to edit or remove the filter.	Help
<	2	Add Filter Edit Filter Cancel Cancel	

Items	Description		
Select	Used to select the filter for which you want to change the setting.		
Protocol	Displays the protocol for IP filtering.		
	· HTTP		
	· HTTPS		
	· Telnet		
	· SSH		
	· SNMP		
IP Address	Displays the IP address permitted to connect.		
Subnet Mask/	For IPv4, the subnet mask of the IP address that has permission to connect is displayed.		
Prefix Length	For IPv6, the prefix length is displayed.		

Buttons	Description
Add Filter	Displays the [Add Filter] window to add a new filter.
Edit Filter	Displays the [Edit Filter] window to edit a filter.
Remove Filter	Deletes the selected filter.
Cancel	Restores the original information and does not set the specified information.

(1) Menu Operation

[Network Configuration] - [Access Control]

(2) Window Operations

Adding a new filter

- 1. Click the [Add Filter] button.
 - The [Add Filter] window appears.
- 2. Configure the filter in the [Add Filter] window. Then, click the [Apply] button. This adds the new filter.
- Editing a filter
- 1. Click the radio button of a filter in the [Select] column so that you can edit the filter. Then, click the [Edit Filter] button.
 - The [Edit Filter] window appears.
- 2. Specify the save path.

Edit the filter in the [Edit Filter] window. Then, click the [Apply] button.

- Deleting a filter
- 1. Click the radio button of a filter in the [Select] column so that you can delete the filter. Then, click the [Remove Filter] button.
 - A deletion confirmation dialog box appears.
- 2. Click the [OK] button.
 - This deletes the filter. The browser returns to the [Access Control] window.

[Message]

The following table lists the messages displayed in this window.

Message Number	Message
I_00013	Setting completed.
E_00412	You need an empty entry.
W_00413	Nothing is selected.

[Add Filter]/[Edit Filter] window

Click the [Add Filter] button or [Edit Filter] button in the [Access Control] window to display the [Add Filter] window or [Edit Filter] window, respectively.

Although the [Add Filter] window and [Edit Filter] window have different window titles, their setting items are the same. This section describes these items in the [Add Filter] window.

FIGURE 1.115 [Add Filter] window

FUĴÎTSU	Model: Part Number: Serial Number: Status:	PRIMEQUEST2800E MCXXXXXX Jobs State Normal	Active:MMB#0
System Partition User. >Network Configuration		mation Maintenance	Logout
Date Time Network Interface Management LAN Poe Network Protocols Refresh Rate	Add Filter	tton to apply all changes.	Help
SNMP Configuration	Protocol	SSH 🛩	
 SSL SSH 	Access Contro	l	
Remote Server Manag	IP Address	192.168.10.30	
C Access Control		refix Length 255 255 255 0	
<	×	Apply Cancel	

Items	Description
Protocol	Sets the protocol for the IP filtering. You can select one of the following items from the
	pull-down menu:
	· HTTP
	· HTTPS
	· Telnet
	· SSH
	· SNMP
Access Control	Sets whether to execute access control.
	· Disable: Permits access by all IP addresses via the protocol selected in [Protocol].
	Selecting this disables input to [IP Address] and [Subnet Mask].
	· Enable: Specifies [IP Address] and [Subnet Mask] to permit access via the protocol
	selected in [Protocol].
IP Address	Sets the IP address (for IPv4 or IPv6) that will have permission to connect.
	Remarks
	For IPv4, to permit connection by only a specific IP address in a subnet, specify the IP
	address and then "255.255.255.255" in [Subnet Mask]. For IPv6, the prefix length is
	displayed.
	Example: Permitting access from a specific IP address range (e.g.,
	192.168.60.60/255.255.255.0)
	IP Address: 192.168.60.60
	Subnet Mask: 255.255.255.0
	(because the IP address is used with a 24-bit subnet mask)
	 The above setting will enable access not only from the IP address 192.168.60.60, but also from IP addresses within the subnet 192.168.60.0/24.
Subnet Mask/	
Prefix Length	For IPv4, the subnet mask of the IP address that has permission to connect is displayed.
Longar	For IPv6, the prefix length is displayed.

TABLE 1.137 Buttons in the [Add Filter] window

Buttons	Description
Apply	Sets the specified information.
Cancel	Restores the original information and does not set the specified information, such as protocols
	and access control.

(1) Menu Operation

[Network Configuration] - [Access Control] - [Add Filter] button/[Edit Filter] button

- Window Operations
- (2) 1. Specify [Protocol] and [Access Control].
- 2. If you specify [Enable] in [Access Control], enter values for [IP Address] and [Subnet Mask]. Then, click the [Apply] button.

If you specify [Disable] in [Access Control], simply click the [Apply] button.

This adds or edits the filter.

[Message]

The following table lists the messages displayed in this window.

Message Number	Message
I_00013	Setting completed.
W_00432	Invalid IP Address specified.

1.5.11 [Alarm E-Mail] window

You can set e-mail notification for when an event occurs in the PRIMEQUEST 2000 series server in the [Alarm E-Mail] window.

FUĴÎTSU	Model: Part Number: Serial Number: Status:	PRIMEQUEST2800E MCXXXXXXX Constants	Active:MMB#0
System Partition User Ac >Network Configuration >A		Securition Maintenance	Logout
Date Time Network Interface Management LAN Port (Network Protocols Refresh Rate	Alarm E-I	VIail utton to apply all changes.	(Help)
 SNMP Configuration 	Alarm E-Mail		
 SSL SSH Remote Server Managen 	From:	Use envelope "from" address	
Access Control	To:	john gamith.com.	
Alarm E-Mail	SMTP Server	192.168.10.50	
	Subject	test alarm	
<	>	Apply Cancel Filter Test E-Mail	

FIGURE 1.116 [Alarm E-Mail] window

The format of the message of Alarm E-Mail is as follows.

MMB P#x yyyy-mm-dd hh:mm:ss L uuuuuuu EID#eeeeee ddddddd Part#ppppppp Serial#sssssss

P#x	 Partition ID (x is a decimal notation) S is displayed for the system. It delimits by the normal-width blank and P#x is displayed for two or more partitions.
yyyy-mm-dd hh:mm:s	s : Event generation date
L	: Level E : Error / W : Warning / I : Information
սսսսսսսս	: Unit name Form of SB#0-DIMM#0A0
EID#eeeeee	: Event ID ID that corresponds to event message with one to one.
dddddddd	: Event message (The same content as SEL message)
Part#ppppppp	: Part number stored on SEL record
Serial#sssssss	: Serial number stored on SEL record

Examples:

MMB P#0 P#1 P#2 P#3 2015-12-03 15:32:59 W MMB#0-+5VL EID#020100FF Lower Non-critical - going low Assert 0.21V threshold: 4.59V Part#CA07125-D053 Serial#PP0948012P

Items	Description
Alarm E-Mail	Sets whether to send Alarm E-Mail notification for an event that has occurred.
	· Enable
	· Disable
From:	Sets the e-mail address of the sender.
	If the [Use envelope "from" address] check box is checked, the [From:] address is set as
	the sender's e-mail address used when sending an e-mail. The default is unchecked.
	Upon receiving an alarm e-mail, the mail server sets the set [From:] address for Return-
	Path in the e-mail header. Also, if a mailing list is used, the Return-Path setting is the
	administrator's address on the mailing list instead of the set [From:] address.
	However, the Return-Path setting depends on the mail server settings. Therefore, Return-
	Path may not be set.
To:	Sets the e-mail address of the recipient.
	To specify multiple e-mail addresses, delimit them with a comma (,).
SMTP Server	Sets the IP address or FQDN of the SMTP server.
	You can set the FQDN only if a DNS is set. (After selecting [Network Configuration] -
	[Network Interface], you can specify a DNS server.)
Subject	Sets an e-mail title.

The e-mail address consists of "user name" @ "domain name". The specifiable characters in "user name" and "domain name" conform to RFC 2822 and RFC 1034.

Examples:

- "user name" can contain alphanumeric characters and the following symbols: !# \$ % & ' * + / = ? ^ _ (] .
- However, "#" cannot be used for the heading character. "." (period) cannot be used for the heading character and the last character. Moreover, "." cannot be used 2 pieces continuously. For details, see RFC 2822.

The "domain name" can contain alphanumeric characters and "-" (hyphen) only. However, it must begin with an alphabetic character and end with an alphanumeric character. For details, see RFC 1034.

The "Subject" can contain alphanumeric characters, blank spaces, and the following symbols: ! # " $\$ & ' () * + - . / _ ~

Buttons	Description			
Apply	Sets the specified information.			
Cancel	Restores the original information and does not set the specified information, such as the [Enable] or [Disable] setting in [Alarm E-Mail] or the e-mail address of the sender.			
Filter	Displays the [Alarm E-Mail Filtering Condition] window for setting conditions for the events for which alarm e-mail is sent.			
Test E-Mail	Sends a test alarm e-mail to the specified destination.			

TABLE 1.139 Buttons in the [Alarm E-Mail] window

(1) Menu Operation

[Network Configuration] - [Alarm E-Mail]

- (2) Window Operations
- 1. Specify information such as the sender's e-mail address and whether to enable or disable Alarm E-Mail.
- 2. To set a filter for an event for which alarm e-mail is sent, click the [Filter] button.
 - The [Alarm E-Mail Filtering Condition] window appears.
- 3. Specify the filter in the [Alarm E-Mail Filtering Condition] window.
- 4. To send a test alarm e-mail, click the [Test E-Mail] button.
- This sends a test alarm e-mail to the specified sender.
- 5. Click the [Apply] button.
 - This sets the items specified in the window.

[Message]

The following table lists the messages displayed in this window.

Message Number	Message			
I_00001	Command Completed			
I_00013	Setting completed.			
W_00456	Invalid E-Mail address format.			
W_00457	Invalid SMTP server address.			
I_00458	Please check a Subject.			
W_00459	Alarm E-Mail is disabled.			
W_00595	It is IP address that duplicates with MMB IP address.			

[Alarm E-Mail Filtering Condition] window

Clicking the [Filter] button in the [Alarm E-Mail] window displays the [Alarm E-Mail Filtering Condition] window. The display item is different depending on the model.

You can set the filtering conditions for the events for which alarm e-mail is sent, in the [Alarm E-Mail Filtering Condition] window.

Each item is evaluated with the AND condition.

FIGURE 1.117 [Alarm E-Mail Filtering Condition] window(PRIMEQUEST 2400E3/2800E3/2400E2/2800E2/2400E/2800E)

FUjitsu	Model: Part Number: Serial Number: Status:	N 0	RIMEQUEST28 ACXXXXXXX 000000001 Formal	00E			Active:MMB#0
<u>System</u> Partition User A >Network Configuration >		Configuration	Maintenance				Logout
Date/Time Network Interface Management LAN Port	Alarm E	-Mail Filt	ering Cond	ition			Help
 Network Protocols Refresh Rate 	ARMAN TANKA TANA	ng conditions and	d click the Apply B	utton.			
SNMP Configuration SSL SSH	1)Severity: 2)Partition:	Internet Error Internet W Internet Water State					
 Remote Server Manage Access Control 	ment 3)Unit:	○ Specified ③ All	₽0 ₽1 ₽2	⊴ 3			
I Alarm E-Mail		○ Specified	 PSUs SB#0 IOU#0 DU#0 OPL MMB#0 	 Fans SB#1 IOU#1 DU#1 MMB#1 	✓ SB#2 ✓ IOU#2	 ✓ SB#3 ✓ IOU#3 	
	4)Source:	⊙ All	PCI_Box#0	PCI_Box#1	PCI_Box#2	PCI_Box#3	
	4,50urce.	Specified	CPU Voltage	✓ DIMM✓ Temperature	✓ Chipset✓ Other		
	X			Apply Ca	ncel		

FUĴÎTSU	Model: Part Number: Serial Number: Status:	1	PRIMEQUEST : MCF3AC111 Normal	2800B			_	
<u>System</u> <u>User Administration</u> >Network Configuration >Alam	<u>Network Configurat</u> m E-Mail	ion Maintenance						Logou
□ Date Time ❶ Network Interface □ Management LAN Port Con	Alarm E	-Mail Filt	ering Con	dition				Hel
Network Protocols Refresh Rate	Select the filteri	ng conditions and	click the Apply B	utton.				
∃ SNMP Configuration ∃ SSL	1)Severity: 2)Unit:	☑ Error ☑ W ⊙ All	arning 🗹 Info					
SSH Remote Server Management Access Control Alarm E-Mail		○ Specified	 ✓ PSUs ✓ SB#0 ✓ IOU#0 ✓ DU#0 ✓ OPL ✓ MMB 	 ✓ Fans ✓ SB#1 ✓ IOU#1 ✓ DU#1 	♥ SB#2 ♥ IOU#2	♥ SB#3 ♥ IOU#3		
	3)Source:	 ⊙ All ○ Specified 	✓ CPU ✓ Voltage	✓ DIMM✓ Temperature	✓ Chipset✓ Other			
	3			(Apply) Ca	ncel			

FIGURE 1.118 [Alarm E-Mail Filtering Condition] window(PRIMQUEST 2800B3/2800B2/2800B)

Items	Description
Severity	Sets the severity level to be displayed. Multiple options can be selected.
	• Error
	• Warning
	· Info
	Everything is selected by default.
Partition	Sets the partitions to be displayed.
	The selected radio button is either [All] or [Specified].
	All: Filtering by [Partition] is not applied.
	Specified: Filtering by unit can be set. Check the check boxes for the units to be displayed.
	The default is All
	Remark
	This item is not displayed in case of PRIMEQUEST 2800B3/2800B2/2800B model.
Unit	Sets the units to be displayed.
	The selected radio button is either [All] or [Specified].
	All: Filtering by [Unit] is not applied.
	Specified: Filtering by unit can be set. Check the check boxes for the units to be displayed. The default is All.
	Remark
	In case of PRIMEQUEST 2400E3/2400E2/2400E model, the Unit display is as follows: *1 SB : SB#0, SB#1
	In case of PRIMEQUEST 2800B3/2800B2/2800B model, the Unit display is as follows: MMB : MMB
	In case of PRIMEQUEST 2800B3/2800B2/2800B model, PCI_Box is not displayed.
Source	Used to select the sources to be displayed.
	The selected radio button is either [All] or [Specified].
	All: Filtering by [Source] is not applied.
	Specified: Filtering by source can be set. Check the check boxes of the sources to display.
	The default is All.
	Remarks
	Specify both CPU and Chipset when filtering as Source with the unit of CPU. – SB#3 is displayed for PRIMEQUEST 2400E3/2400E2 Model in the case that Memory Scale-

TABLE 1.140 Setting and display items in the [Alarm E-Mail Filtering Condition] window

*1: The state of SB#0 - SB#3 is displayed for PRIMEQUEST 2400E3/2400E2 Model in the case that Memory Scale-up Board is used.

TABLE 1.141 Buttons in the [Alarm E-Mail Filtering Condition] window

Buttons	Description			
Apply	Sets the filtering conditions.			
Cancel	Restores the original information and does not set the specified information, such as [Severity], [Partition], and [Unit].			

(1) Menu Operation [Network Configuration] - [Alarm E-Mail] - [Filter] button

Window Operations (2)

ì. Specify the items such as [Severity], [Partition], and [Unit]. Then, click the [Apply] button. This sets the specified filtering conditions.

1.6 [Maintenance] Menu

You can perform maintenance on the PRIMEQUEST 2000 series server from the [Maintenance] menu.

1.6.1 [Firmware Update] menu

The [Firmware Update] menu has the following window:

[Unified Firmware Update] window

[Unified Firmware Update] window

You can unify a firmware update in the [Unified Firmware Update] window.

The firmware complete set is up-loaded to MMB, and the firmware in the new publication is maintained.

Confirm the version of each firmware. Update the firmware only if those versions are not the same.

The online firmware update does not update the same version number situation.

Note

If the MMB or SB has failed, perform maintenance on it before updating the firmware. Do not update the firmware in a configuration that has a faulty MMB or SB.

FUĴĨTSU	Model: Part Number: Serial Number: Status:	PRIMEQUEST2800E MCXXXXXXX Neuroal		Active:MMB#0
System Partition User	Administration Network Confi re Update >Unified Firmware Up	pration Maintenance		Logout
Finaware Update Urified Finaware U Backup Restore Confi Maintenance Wizard REMCS	unified Fir	mware Update	(参照)	(Help)
<	2		Update Cancel	

FIGURE 1.119 [Unified Firmware Update] window

(1) Menu Operation

[Maintenance] - [Firmware Update] - [Unified Firmware Update]

- (2) Window Operations
- 1. Click the [Browse...] button to select a unified firmware update file.
- 2. Click the [Update] button.
 - This displays the window for confirming the versions for the unified firmware update.
- 3. To perform the update, click the [OK] button.

[Message]

The following table lists the messages displayed in this window.

Message Number	Message		
E_00098	Failed to get Unified Firmware version.		
E_00098	Failed to get Individual Firmware version.		
E_00098	Failed to get Lock Manager Process.		
E_00098	Failed to get Lock Control.		
I_00236	The xx.zz firmware update has been completed successfully.		
W_00238	Specified file is not a firmware file. Please select a valid firmware file.		
W_00241	Specified firmware file aaa is invalid. Please select a valid firmware file.		
W_00242	Specified file size is invalid. Please select a valid firmware file.		
I_00474	Unable to execute SEL download due to resource lock.Please retry after waiting a		
1 00 171	while.		
I_00474	Unable to execute Firmware Update due to resource lock.Please retry after waiting a while.		
W_00476	Unable to execute the online update. Please try the update after the system power		
	off.		
W_00477	Select the file of update.		
W_00478	Unable to execute the update. Standby MMB is fault or disable.		
W_00479	Unable to execute the update. TPM is effective.		
I_00502	The firmware is updating.		
E_00529	Unable to execute Firmware Update because the chassis information could not be retrieved.		
E_00530	Unable to execute Firmware Update because the chassis information is invalid.		
I_00556	The xx.zz online firmware update has been completed		
	successfully. Please shutdown all partitions.		
I_00557	The xx.zz online firmware update has been completed successfully. Please		
	shutdown running partitions.		
W_00583	Unable to execute Firmware Update.		
	Please check the machine status.		
W_00590	The Unified Firmware Version is unknown.		
	Please retry to update the firmware.		

1.6.2 [Backup/Restore Configuration] menu

The [Backup/Restore Configuration] menu has the following windows:

[Backup/Restore MMB Configuration] window

[Backup BIOS Configuration] window for PRIMEQUEST 2400E3/2800E3/2400E2/2800E2/2400E/2800E

[Restore BIOS Configuration] window for PRIMEQUEST 2400E3/2800E3/2400E2/2800E2/2400E/2800E [Backup/Restore BIOS Configuration] window for PRIMQUEST 2800B3/2800B2/2800B

1.6.2.1 [Backup/Restore MMB Configuration] window

You can back up and restore the MMB configuration information from the Backup/Restore MMB Configuration window.

FUĴÎTSU	Model: Part Number: Serial Number: Status:	PRIMEQUEST2800E MCXXXXXXXX Viewnal	Active:MMB#0
	Administration Network Confi		Logout
 >Maintenance >Backup Firmware Update Backup Restore Con Backup Restore M Backup BloS Cor Restore BlOS Cor Maintenance Wizard 	IMB Config infiguration infiguration To backup the	Restore MMB Configuration MB Configuration MMB Configuration, click "Backup" button. Backup	Help
 REMCS 	Restore M	MB Configuration	
	I o restore the l	MMB Configuration, select a file and click "Restore" button. (他的). Restore	
<	3		

FIGURE 1.120 Backup/Restore MMB Configuration window

(1) Menu Operation

[Maintenance] - [Backup/Restore Configuration] - [Backup/Restore MMB Configuration]

- Window Operations (2)
 - Backing up MMB configuration information 1.
 - Click the [Backup] button.
 - The save destination dialog box of the browser appears.
 - 2. Select the save destination path in the save destination dialog box. Then, click the [OK] button. This downloads the MMB configuration file. The default name of the backup file of the MMB configuration information is as follows: MMB_(backup date)_(MMB version).dat

Restoring MMB configuration information

- Confirm that the system has completely stopped. 1.
- Click the [Browse...] button to select the backup file of the MMB configuration. 2.
- 3. Click the [Restore] button. This sends the file to the MMB. To confirm restoration, the [MMB Configuration File Information:] dialog box appears.
- Click the [OK] button in the [MMB Configuration File Information:] dialog box. 4. This restores the MMB configuration information.
- The MMB is rebooted to enable the restored data. 5.

[Message]

The following table lists the messages displayed in this window.

Message Number	Message
I_00054	Restore completed. Now rebooting.
I_00486	Select a file.
E_00055	Failed to restore the MMB Configuration.
E_00056	Failed to backup the MMB Configuration.
E_00057	Specified file can not restore.
E_00058	File format error.
E_00060	Specified file is the one of another machine.
E_00061	Failed to get serial number.
E_00062	Can't restore the MMB Configuration. Please power off the chassis.
E_00063	Failed to reset the MMB. Please turn off the breaker to enable the settings.

FU

1.6.2.2 [Backup BIOS Configuration] window for PRIMEQUEST 2400E3/2800E3/2400E2/2800E2/2400E/2800E

This window is displayed only in PRIMEQUEST 2400E3/2800E3/2400E2/2800E2/2400E/2800E.

You can back up BIOS configuration information to the PC running the browser, from the [Backup BIOS Configuration] window.

ĵ <mark>๊เтรบ</mark>		Number: al Numbe		PRIMEQUEST2800E MCXXXXXXX Voltational	Active:MMB#0
Partition Use				pBIOS Configuration	Logout
vare Update up Restore Con cleup Restore M cleup BIOS Cor store BIOS Cor	iguration MB Configu figuration	Back	up B	IOS Configuration	Help
tenance Wizard			#	Partition Name	
CS		0	0	kato	
		0	1	kato2	
		0	2	hayashida	
		0	3	kikkawa	

TABLE 1.142 Buttons in the [Backup BIOS Configuration] window

Buttons	Description
Backup	Backs up the BIOS configuration information.
Cancel	Cancels backup of the BIOS configuration information.

Backup Cancel

(1) Menu Operation

[Maintenance] - [Backup/Restore Configuration] - [Backup BIOS Configuration]

Window Operations (2)

- Select the radio button of the partition to which to back up BIOS configuration information. Then, 1. click the [Backup] button.
 - A save destination dialog box appears.
- 2. Select the save destination path in the save destination dialog box. Then, click the [OK] button. This downloads the BIOS configuration information file. The default name of the backup file of the BIOS configuration information is as follows:

(partition number)_(backup date)_(BIOS version).dat

Help

[Message]

 Message Number
 Message

 I_00066
 Failed to backup the BIOS Configuration.

 I_00427
 Select a partition.

 E_00006
 Authorization required.

 E_00040
 Partition not defined.

 E_00098
 Failed to get the partition status.

 E_00098
 Failed to get the screen information.

The following table lists the messages displayed in this window.

For details on the messages displayed on the window, see *PRIMEQUEST 2000 Series Message Reference* (CA92344-0540).

1.6.2.3 [Restore BIOS Configuration] window for PRIMEQUEST 2400E3/2800E3/2400E2/2800E2/2400E/2800E

This window is displayed only in PRIMEQUEST 2400E/2800E.

You can restore BIOS configuration information in the [Restore BIOS Configuration] window.

FIGURE 1.122 [Restore BIOS Configuration] window (1)

FUJITSU	Model: Part Number: Serial Number: Status:	PRIMEQUEST2800E MCXXXXXXX Vortrate	Active:MMB#0
	Administration Network Confi		Logout
	Restore Configuration >Restore	BIOS Comparation	
	figuration IMB Configuration figuration figuration	OS Configuration	(Help)
8	8	Upload Cancel	

System Partition User Administration Network Configuration >Ministranance >Backup Restore Configuration Restore BIOS Configuration BIOS Firmware Update BIOS Firmware Update Select partition(s) then click the Restore button. Backup Restore Configuration Restore BIOS Configuration Backup Restore Configuration Partition(s) then click the Restore button. Backup Restore Configuration Partition(s) then click the Restore button. Configuration Partition Name: W08_HS_138 Saved Date: 2009-11-02 BIOS Version: 0.63 Select All defined partition(s) Image: Partition Name BIOS Version Image: Partitio	e:MMB#0
Firmware Update Unified Firmware Update Unified Firmware Update BIOS Firmware Update BIOS Firmware Update Select partition(s) then click the Restore button. BAckup Restore Configuration Select partition® Backup Restore MMB Configuration Partition™ Restore BIOS Configuration Partition™ Restore BIOS Configuration Partition™ Restore BIOS Configuration Select partition File Information Partition Name 0 BIOS Version: 0.63 Select Ail defined partition(s) Image: Partition Name BIOS Version 0 W08_HS_138 0 W08_HS_138 0 W08_HS_138 0 0 1 WS03_101 0 0.63	Logou
Image: Pressure BIOS Configuration Saved Date: 2009-11-02 BIOS Version: 0.63 REMCS Select AII defined partition(s) Image: Partition Name BIOS Version Image: Partition Name BIOS Version Image: Partition Name Image: Partition Name	Hel
0 W08_HS_138 0.63 1 WS03_101 0.64 2 RedHat_104 0.63	
0 W08_HS_138 0.63 1 WS03_101 0.64 2 RedHat_104 0.63	
Image: WS03_101 0.64 Image: WS03_104 0.63	
□ 3 WS08_107 0.63	
Restore	

FIGURE 1.123 [Restore BIOS Configuration] window (2)

TABLE 1.143 Setting and display items in the [Restore BIOS Configuration] window (2)

Items	Description
Select All defined	Restores the BIOS configuration information in all the partitions if this check box is
partitions(s)	checked.
#	Displays a partition identification number (0 to 3).
	You can select a partition for restoration by checking a check box on the left.
Partition Name	Displays the name assigned to the partition.
BIOS Version	Displays the current BIOS version installed on the partition.

TABLE 1.144 Buttons in the [Restore BIOS Configuration] window (2)

Buttons	Description
Restore	Restores the BIOS configuration information file.
Cancel	Cancels restoration of the BIOS configuration file.

(1) Menu Operation

[Maintenance] - [Backup/Restore Configuration] - [Restore BIOS Configuration]

(2) Window Operations

- 1. Click the [Browse...] button in the [Restore BIOS Configuration] window (1). Select the BIOS configuration backup file stored on a remote PC.
- 2. Click the [Upload] button.
 - This sends the BIOS configuration file to the MMB and displays the [Restore BIOS Configuration] window (2).
- 3. Select the partition for restoration in the [Restore BIOS Configuration] window (2). Then, click the [Restore] button.

This restores the BIOS configuration information file.

[Message]

The following table lists the messages displayed in this window.

Message Number	Message
I_00064	Restore completed.
I_00486	Select a file.
W_00258	Unable to restore the BIOS configuration because a BIOS configuration information
	file is being restored by another user in the same partition now.
W_00485	Home SB not defined.
E_00024	Installing failed.
E_00027	Installing failed. Size of uploaded file is zero.
E_00039	Uploading failed.
E_00057	Specified file can not restore.
E_00058	File format error.
E_00065	Failed to restore the BIOS Configuration.
E_00067	Can't restore the BIOS Configuration. Please power off the partition(s).

For details on the messages displayed on the window, see *PRIMEQUEST 2000 Series Message Reference* (CA92344-0540).

□ [Backup/Restore BIOS Configuration] window for PRIMEQUEST 2800B3/2800B2/2800B

This window is displayed only in PRIMEQUEST 2800B3/2800B2/2800B. You can back up and restore the BIOS configuration information from the Backup/Restore BIOS Configuration window.

FUITSU System User Administration No		
	fi	Help
	Restore BIOS Configuration To restore the BIOS Configuration, select a file and click "Restore" button. (参照) Restore	

FIGURE 1.124 Backup/Restore BIOS Configuration window

(1) Menu Operation

- [Maintenance] [Backup/Restore Configuration] [Backup/Restore BIOS Configuration]
 - (2) Window Operations
 - Backing up BIOS configuration information
 - 1. Click the [Backup] button.
 - The save destination dialog box of the browser appears.
 - Select the save destination path in the save destination dialog box. Then, click the [OK] button. This downloads the BIOS configuration file. The default name of the backup file of the BIOS configuration information is as follows: BIOS (backup date) (BIOS version).dat
 - Restoring BIOS configuration information
 - 1. Confirm that the system has completely stopped.
 - 2. Click the [Browse...] button to select the backup file of the BIOS configuration.
 - Click the [Restore] button. This sends the file to the MMB. To confirm restoration, the [BIOS Configuration File Information:] dialog box appears.
 - 4. Click the [OK] button in the [BIOS Configuration File Information:] dialog box. This restores the BIOS configuration information.
 - 5. The BIOS is rebooted to enable the restored data.

[Message]

The following table lists the messages displayed in this window.

Message Number	Message
E_00057	Specified file can not restore.

1.6.3 [Maintenance Wizard] window

The [Maintenance Wizard] window has a wizard to support maintenance of units. This window is designed for maintenance personnel.

(1) Menu Operation [Maintenance] - [Maintenance Wizard]

1.6.4 [REMCS] menu

You can operate and configure REMCS from the [REMCS] menu.

For details on REMCS, see the PRIMEQUEST 2000 Series REMCS Installation Manual (CA92344-0542).

[System] Menu for PRIMEQUEST 2800B3/2800B2/2800B 1.7

In [System] menu, it is possible to display and set the status of all the hardware components in the PRIMEQUEST 2800B3/2800B2/2800B system.

A display and a set item of [System] menu are different in PRIMEQUEST 2400E3/2400E2/2400E and PRIMEQUEST 2800E3/2800E2/2800E.

Refer to Chapter 1.3 for details.

Follow Chapter 1.2-Chapter 1.6 about the menu not described in this chapter.

Remarks

If "Read Error" is displayed for [Part Number] and [Serial Number] on MMB Web-UI (contents area and information area), confirm the problem by referring to "11.2 Troubleshooting" of PRIMEQUEST 2000 Series Administration Manual (CA92344-0537). If the error could not be resolved, contact your sales representative or repairs assistance service. Confirm the model name and serial number shown on the label affixed on the main unit and report it.

1.7.1 [System Status] window

[System Status] window shows the status of entire PRIMEQUEST 2800B3/2800B2/2800B model. The contents displayed may differ depending on the configuration of the unit.

You can also display details of each unit by clicking the link displayed in the frame.

FUĴITSU	Model: Part Number: Serial Number: Status:		PRIMEQUEST MCF3AC111 Normal	2800B
System User Administration >System >System Status	Network Configuration	on Maintenance	2	
System Status				
System Status System Event Log	System S	tatus		
Operation Log	System S	intus		
System Information	Click a link belo	w to view detail	ed information abo	out each unit.
Firmware Information				-
System Setup	Power Supply	Fans	Temperature	
 Power Control Schedule 	OK	OK	OK	
 Schedule Console Redirection Setup 	SB#0	SB#1	SB#2	SB#3
ASR Control	OK	OK	<u>55#</u> 2 OK	OK
Console Redirection	UK	OK	OK	OK
🖸 Mode	IOU#0	IOU#1	IOU#2	IOU#3
LEDs	OK	OK	OK	OK
Power Supply				
 Fans Temperature 	<u>DU#0</u>	DU#1		
SB	OK	Not-present		
■ IOU	OPL	1		
🖸 DU	OK	4		
🖸 OPL	UK			
🖸 MMB	MMB	1		
	OK	1		
		- 0		
<	>			

FIGURE 1.125 [System Status] window

The contents which are displayed as the status of unit are as follows.

[OK] : It is shown for the unit which operates normally without any trouble.

[Not-present]	: It is shown for the unit which is not mounted. It is shown in gray colored background.	
---------------	------------------------------------------------------------------------------------------	--

[Warning] : Though it is not serious, it shows the unit where a problem may occur. It is shown by 📣 icon [Failed] : It shows the unit, where failure has occurred, and it must be disconnected. It is shown by 🕙 icon [Degraded] : It shows that a failure has occurred in the component of a certain unit, and the unit is

operated without disconnecting the failed component. It is shown by 4 icon.

Status	Display Color	Icon
Normal (Normal state)	Green	None
Warning, Degraded	Yellow	Black '!' mark in yellow triangle.
Failed	Red	White 'X' in red circle.

TABLE 1.145 Status of Unit and its Icons

Each unit is linked with the window showing the detailed status. However, for units which are not mounted, there is no window showing the details. Therefore, these units are not linked.

TABLE 1.146 Items	displayed in [Syster	n Status] Window
	uispiayeu in [Oysten	

Items	Description
Power Supply	Shows the status of PSU
Fans	Shows the status of FAN
Temperature	Shows the status of temperature sensor
SB#0 ~ SB#3	Shows the status of system board
IOU#0 ~ IOU#3	Shows the status of IOU
DU#0 ~ DU#1	Shows the status of DU
OPL	Shows the status of OPL
MMB	Shows the status of MMB

(1) Menu Operation

[System] – [System Status]

(2) Window Operations

1. Click the link corresponding to each unit when the detailed status of unit is to be confirmed. The window showing detailed status of each unit appears.

1.7.2 [System Event Log] Window

Among the events generated in the PRIMEQUEST 2800B3/2800B2/2800B model, events of MMB and BMC stored in the current MMB system event log are displayed on the [System Event Log] window in chronological order.

Maximum 32000 events can be stored in system event log. When the entries in the system event log are full, oldest event log is deleted, and latest event log is stored in system event log.

FUJITSU	Model: Part Number: Serial Numbe Status: on Network Configu	r:	PRIMEQU MCF3AC1 Normal				Log
vstem >System Event Lo System Status System Event Log)g	n Event Lo			81		[
Operation Log System Information	Sevenity	Date/Time	Unit Part Number	Source	Event ID	Description	Detail
irmware Information ystem Setup ower Control	Info	2014-01-17 11:34:54	System -	PSU Redundancy	090B00FF	Fully Redundant	Detail
ower Control chedule console Redirection Sett	1 Info	2014-01-17 11:34:53	System -	PSU Redundancy	090B03FF	Non-redundant: Sufficient Resource	Detail
SR Control onsole Redirection	SError	2014-01-17 11:34:53	PSU#4 \$26113-E53	PSU#4 31-V32	086F0602	Configuration error in excess unit	Detail
lode EDs	⊗Error	2014-01-17 11:33:50	System -	PSU Redundancy	090B05FF	Non-redundant: Insufficient Resource	Detail
ower Supply ins	SError 8	2014-01-17 11:33:36	System	PSU Redundancy	090B05FF	Non-redundant: Insufficient Resource	Detail
emperature 3	⊗Error	2014-01-17 11:33:36	System	PSU Redundancy	090B05FF	Non-redundant: Insufficient Resource	Detail
DU U PL	⊗ Error	2014-01-17 11:33:35	<u>PSU#5</u>	<u>PSU#5</u>	086F0601	Configuration error	Detail
PL MB	SError	2014-01-17 11:33:35	<u>PSU#2</u>	PSU#2	086F0601	Configuration error	Detail
	Info	2014-01-17 11:29:41	System	PSU Redundancy	090B03FF	Non-redundant: Sufficient Resource	Detail
		 Processing and a start POINT Start 		Clear All Events	Download	Filter	

FIGURE 1.126 [System Event Log] window

In the [System Event Log] Window, only the contents and not the title in the table can be scrolled. When there are no events to be displayed, a message showing "There is no Event Logs." is displayed instead of the table.

Items	Description
Severity	Displays the severity of the event and error
	Error : Severe errors like hardware error
	Warning : Not a severe error, but an error is likely in future
	Info : Shows the information like 'Partition power ON'
Date/Time	Displays the local time when an event or error occurred.
	Format: YYYY-MM-DD HH:MM:SS
Source	Displays the name of the sensor where an event or error occurred.
Unit	Displays the unit with the sensor where an event or error occurred.
	For example, displays [SB#0] if an error occurs in CPU#0 of SB#0.
	This unit retrieves FRU with this sensor from Entity ID of the sensor, and also retrieves
	Parent Entity from Entity Association Record. It displays Board/Unit name described in
	FRU Record of parent entry.
	It is linked to the window (Window on which part number and serial number of each unit
	can be referenced) showing detailed status of each unit.
Part Number	Displays the part number stored in system event log. If part number is not stored, " " " is displayed.
Event ID	Displays the ID (8 digits in hexadecimal system) for identifying contents of Event.
	For details on the allocation of the Event ID, see "Chapter 2 MMB Message" of
	PRIMEQUEST 2000 Series Message Reference (CA92344-0540).
Description	Displays the contents of Events and Errors.
	Remarks
	For the event of insertion/removal of the board, part number and serial number of board
	are displayed.

TABLE 1.147 Items displayed in [System Event Log] Window

TABLE 1.148 Buttons on [System Event Log] Window

Buttons	Description
Clear All Events	When you click [Clear All Events] button, all the events saved in system event log, are
	cleared. This is used only if Field engineer instructs to do so.
Download	After the confirmation message is displayed, [System Event Log (Collect)] window
	appears.
Filter	When you click [Filter] button, [System Event Log Filtering Condition] window for
	entering filter conditions appears.
Detail	When you click [Detail] button, the details of corresponding event are displayed on
	[System Event Log (Detail)] window.

- (1) Menu Operation
- [System] [System Event Log]
 - (2) Window Operations
 - When the event data saved in system event log is downloaded (if the system event log collected in advance does not exist)
 - 1. When you click [Download] button, a message showing [I_00417 Are you sure?] is displayed. Click [OK] button.
 - 2. The collection of system event log information is starts automatically; [Progress] window appears.
 - 3. [System Event Log (Collect)] window appears, and the link to event data which is collected, is displayed with date information. When you click the link, dialog box appears. By specifying the file name and path name, event data can be downloaded to the PC which displays Web-UI.
 - When the event data saved in system event log is downloaded (if the system event log which is collected in advance, exists)
 - 1. When you click [Download] button, a message showing [I_00417 Are you sure?] is displayed. Click [OK] button.
 - 2. [System Event Log (Collect)] window appears, and the link to system event log information collected in advance, is displayed.
 - Click [Collect] button to collect the latest system event log. A message showing [I_00417 Are you sure?] is displayed. Click [OK] button. [Progress] window appears while the system event log information is collected.
 - 4. [System Event Log (Collect)] window appears, and the link to event data which is collected, is displayed with date information. When you click the link, a dialog box appears. By specifying the file name and path name, event data can be downloaded to the PC which displays Web-UI.

FUĴÎTSU	Model: _ Part Number: Serial Number: Status:	PRIMEQUEST 2800B MCF3AC111 Worman	_
System User Administra >System >System Event I		aintenance	Logout
, ,	Jog		
System Status			_
System Event Log	System Even	nt Log (Collect)	Help
Operation Log			
System Information			
Firmware Information	Please download the o	lata collected clicking the following.	
System Setup			
Power Control	<u>Fri, 17 Jan 2014 1</u>	4:20:05	
• Schedule			
Console Redirection Se	tup	the System Event Log, please click on the Collect button.	
ASR Control	ii you want to update	the System Event Log, please click on the Collect button.	
Console Redirection			
Mode			
LEDs			
Power Supply			
🖸 Fans			
 Temperature SB 			
■ IOU			
∎ DU			
OPL			
MMB			
	100		
		Collect Cancel	
<	>		

FIGURE 1.127 [System Event Log (Collect)] Window

Narrowing down the events displayed in the window

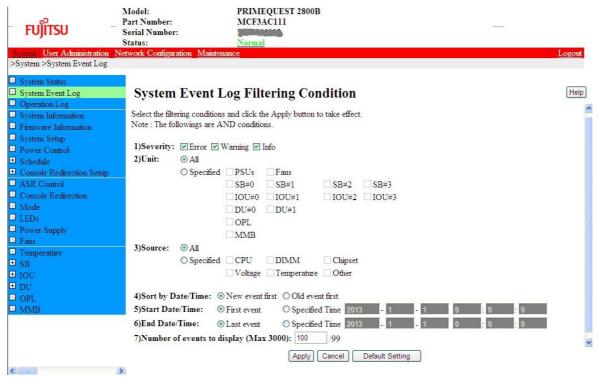
- 1. Click the [Filter] button.
- The [System Event Log Filtering Condition] window for entering filtering conditions appears.
- 2. Enter the conditions in the [System Event Log Filtering Condition] window. Then, click the [Apply] button. The browser returns to the [System Event Log] window. The window displays the events that satisfy the specified conditions.

□ [System Event Log Filtering Condition] Window

Click [Filter] button on the [System Event Log] window. The [System Event Log Filtering Condition] window for entering filtering conditions appears.

The filtering conditions of events which are displayed in [System Event Log] window can be set in the [System Event Log Filtering Condition] window.

FIGURE 1.128 [System Event Log Filtering Condition] Window



Items	Description
Severity	Check the Severity check box. Multiple selections are possible.
	· Error
	Warning
	· Info
	Monitor
	All are ON by default.
	Note
	[Monitor] check box is displayed only when login is done with CE privilege.
Source	Select target source to be displayed.
	Select [All] or [Specified] by Radio button.
	All: Filtering is not done by Source.
	Specified: Filtering of Source unit can be set. Select the Source to be
	displayed.
	Default setting is All.
Unit	Coloct the target unit to be displayed
Unit	Select the target unit to be displayed. Select [All] or [Specified] by Radio button.
	All: Filtering is not done by Unit.
	 Specified: Filtering of Unit can be set. Select the Source to be
	displayed.
	Default setting is All.
Sort by Date/ Time	Specifies either display by new order or display by old order by using the
	radio button.
	New event first
	· Old event first
	The default setting is New event first.
Start Date/ Time	Specifies either display from recent event or specify the time, by using the
	radio button.
	First event: Display by recent event
	Specified Time: Specify the time. In case of Specified Time, enter the
	Start Date and Time.
	The default setting is First event.
End Date/ Time	Specifies either display till last event or specify the time, by using the radio
	button.
	Last event: Display till Last event
	Specified Time: Specify the time. In case of Specified Time, enter the
	End Date and Time.
	The default setting is Last event.
Number of events to display	Specifies the number of log to be displayed. As for the denominator, display
	the total number of events that are logged.
	A maximum of 3000 events can be specified.
	The default setting is 100 events.

TABLE 1.149 Display and Setting Items on [System Event Log Filtering Condition] Window

Buttons	Description
Apply	Log which matches with the specified conditions will be listed on [System Event Log] window by clicking the [Apply] button.
Cancel	Returns to [System Event Log] window by clicking the [Cancel] button.
Default Setting	Selected value returns to the default value.

TABLE 1.150 [System Events Log Filtering Condition] Window Buttons

[Message]

This section describes the messages to be displayed on this window.

Message Number	Message
W_00413	Nothing is selected.
W_00414	Invalid Date Format.
W_00426	Invalid Values Specified.
W_00434	Invalid Time Format.
W_00441	Range over error.
I_00417	Are you sure?
I_00468	Are you sure you want to clear the SEL?

1.7.3 [Operation Log] Window

As for the display, the operation is the same as the PRIMEQUEST 2400E3/2800E3/2400E2/2800E2/2400E/2800E model. Refer to chapter 1.2.3.

1.7.4 [System Information] Window

[System Information] window displays the information, such as name of the systems and name of the products etc., related to the PRIMEQUEST 2800B3/2800B2/2800B model. Moreover, names and Asset Tag (Property management number) corresponding to the PRIMEQUEST 2800B3/2800B2/2800B model(Chassis) can be set.

FUĴÎTSU	Model: Part Number: Serial Number: Status:	PRIMEQUEST 2800B MCF3AC111 Normal	
System User Administration >System >System Information	Network Configuration Maintenan	<u>ce</u>	Logout
System System Information System Event Log Operation Log System Information Finnware Information	System Informa Click the Apply Button to a		Help
 Firmware information System Setup 	System Name	PRIMEQUEST1541346003	
Power Control	Product Name	PRIMEQUEST 2800B	
 Schedule 	Part Number	MCF3AC111	
Console Redirection Setup	Serial Number	1541346003	
ASR Control	Asset Tag		
Console Redirection	Core / Max Core	48 / 48	
 Mode LEDs 	Physical Memory Size	512GB	
Power Supply Fans Temperature SB IOU DU OPL MMB		(Apply) Cancel	
	> <		>

FIGURE 1.129 [System Information] Window

TABLE 1.151 Display and Set Items of [System Inf	ormation] window
--------------------------------------------------	------------------

Items	Description		
System Name	System name of PRIMEQUEST 2000 series is displayed.		
	User with Administrator privilege can change system name. Maximum 64 characters can		
	be entered.		
	Remarks		
	 Characters which can be entered: Alphanumeric characters, half-width space. The following characters can also be entered. 		
	! " # \$ % & ' () = - ^ ~ ¥ @ ` [] { } : ; * + ? < > . / _		
	However, there is a limitation.		
	 # and half-width space cannot be used as first character. 		
	Half-width space cannot be used as last character.		
	Default is < PRIMEQUEST +Product serial number>. When [system Name] is blank, it		
	becomes system name of default.		
Product Name	Product name of PRIMEQUEST 2000 series is displayed.		
Part Number	Model name of PRIMEQUEST 2000 series is displayed.		
Serial Number	Serial number of PRIMEQUEST 2000 series is displayed.		
Asset Tag	Property administration information (Asset Tag) is displayed.		
	User with the administrator privilege can change Asset Tag information. Maximum 32		
	characters can be entered.		
	No default value.		
Core / Max Core	Display the CPU core number and Max Core number included in the system.		
	The Max Core number contains the number of Disable core.		
	Remarks		
Physical	Degenerated CPU is not included in the number.		
Physical Memory	Displays the physical memory volume that is included in the system.		
Size			
0120	Remarks		
	The memory size does not include degraded DIMMs.		

TABLE 1.152 Buttons on the [System Information] Window

Buttons	Description
Apply	When the characters are entered in the [System Name] or [Asset Tag] fields and click the
	[Apply] button is clicked, the entered information is set.
Cancel	When the [Cancel] button is clicked, the system is restored to the original condition without setting the information entered in the [System Name] or [Asset Tag]

(1) Menu Operation [System] – [System Information]

- Window Operations
 Change the items of [System Name] or [Asset Tag] and click the [Apply] button. Information in each field is set.

[Message]

This section describes the messages to be displayed on this window.

Message Number	Message
I_00013	Setting completed.
W_00431	Invalid character included.
W_00407	Input characters are too long.

For details on the messages displayed on the window, see *PRIMEQUEST 2000 Series Message Reference* (CA92344-0540).

In the [Operation Log] window, only the table contents can be scrolled without scrolling the title of the table. When there is no event to be displayed, a message "There is no Event Logs"; would be displayed instead of table.

1.7.5 [Firmware Information] Window

Latest version number of applied Firmware, information of the Firmware version which is operating inside the system and the information of the Firmware version with backup is displayed on the [Firmware Information] window.

	FIC	50RE 1.130 [Firmware into	ormation] window		
FU)๊เ T SU	Model: _ Part Number: Serial Number: Status:	PRIMEQUE MCF3AC11 Normal			—	
System User Administration		aintenance				Logout
-	lauon					
 System Status System Event Log Operation Log 	Firmware In	nformation				Help
System Information	Unified Firmware	Version BA14012				
Firmware Information						
System Setup	Current Firmware	e	10 ⁻			
Power Control			active bank			
 Schedule Console Redirection Set 	Unit	Firmware	Version(bank1)	Unified Firmware Version		
ASR Control	up		Version(bank2)			
Console Redirection		BMC	bank2			
 Mode 			0.60F	BA14012		
LEDs	SB#0		0.68F			
Power Supply		1040447 2000	bank1			
E Fans		BIOS	1.23	BA14012		
🖸 Temperature			1.12			
🗉 SB			bank2			
🗉 IOU		BMC	0.60F	BA14012		
🗈 DU	SB#1		0.68F			
OPL OPL			bank1			
🖸 MMB		BIOS	1.23	BA14012		
			1.12			
			bank2			
		BMC	0.60F	BA14012		
	SB#2		0.68F			
<	>		bank1			*

FIGURE 1.130 [Firmware Information] Window

Items	Description		
Unified Firmware	Latest version number of applied Firmware.		
Version			
Current Firmware			
Unit	Target unit mounted with Firmware is displayed.		
	· SB#n		
	· MMB		
Firmware	Type and Current version (Active) of Firmware are displayed.		
	· BMC		
	· BIOS		
	· MMB		
	 Not-present: It shows that Unit is not mounted. Gray color background is displayed. 		
active bank	Bank (bank1 or bank2) of the memory that is operating now is displayed After start/restart of the partition, latest Firmware information is reflected in this display.		
Version (bank1)	Firmware Version of bank1 is displayed.		
,	[Version display format]		
	Firmware maintains Version information in the following format.		
	Major Version=1Byte data (Binary format)		
	Minor Version=1Byte data (BCD format)		
	This data is displayed as follows. X.YY		
	X displays Major version in decimal (0~255)		
	Y displays Minor version as it is by double digit in BCD format (Binary coded decimal) (00~99).		
Version (bank2)	Firmware Version of bank2 is displayed.		
	[Version display format]		
	Same as bank1		
Unified Firmware	Displays firmware version of target unit.		
version	Firmware maintains version information in the following format.		
	Model identification XX=1 byte data (01h=SA)		
	Last two digits of the year YY=1 byte data (BCD format) 09-99		
	Month MM=1 byte data (BCD format) 01-12		
	Serial number N=1 byte data (Binary format) 1-9		
	This data is displayed as below.		
	XXYYMMN		
	Example: BA13012 In case of uncertain version number "-" is displayed.		
	in case of uncertain version number - is uisplayed.		

After start/restart of the system is executed by the system administrator, the latest written Firmware is reflected.

Remarks

After executing Firmware update, it is recommended to reflect in the Firmware by prompt start/restart of the system.

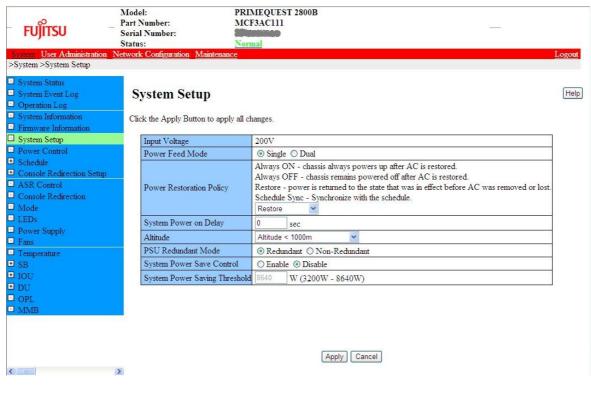
(1) Menu Operation [System] – [System Information]

> (2) Window Operations None

1.7.6 [System Setup] Window

In [System Setup] window, Power supply of PRIMEQUEST 2800B3/2800B2/2800B model and restoration action etc. can be set.

FIGURE 1.131 [System Setup] Window



Items	Description			
Input Voltage	Displays input voltage.			
	· 100V			
	· 200V			
	When information cannot be acquired, it is displayed as 200V.			
Power Feed Mode	Whether power supply of PRIMEQUEST 2000 system is configured in primary			
	power feed mode or dual power feed mode is set.			
	Single: primary power feed mode			
	Dual: dual power feed mode			
Power Restoration	Default setting is Single. Sets the display of the restoration action after power failure.			
Policy	Always off: Maintains the power-off status after the power restoration.			
1 only	Always on: Regardless of the condition at the time of power failure, the			
	partition is powered on after the power restoration.			
	Restore: Restores the status immediately before the power failure. If the			
	power was on when the power failure occurred, it restores the power-on			
	status of the partition. If the power was off, the partition power stays off.			
	Schedule Sync: If the partition is in the operating time zone, power of partition			
	turns on automatically depending on the schedule operations at the time of restoration of power.			
	(attention)			
	The schedule set with Special is applied only on the specified day.			
	Default setting is Restore.			
System Power On	Sets the standby time utill power on of system is specified as per the restoration			
Delay	power policy that is set after the AC power is On (also includes restoration power).			
	Specifies within the range of 0~9999 seconds.			
	Default value is 0 seconds.			
	(attention)			
	Other start processing is not executed until the processing of system Power On			
	Delay ends.			
Altitude	Sets the altitude where PRIMEQEST 2800B model is installed or placed. Altitude < 1000 m			
	$1000 \text{ m} \le 1000 \text{ m}$			
	 1500 m <= Altitude < 1500 m 1500 m <= Altitude < 2000 m 			
	· 2000 m <= Altitude			
	Default value is Altitude < 1000 m.			
DOLL De due de st Ma de	Setting error of altitude condition is possible up to ±100m.			
PSU Redundant Mode	Sets whether PSU is redundantly operated. • Redundant			
	· Non-redundant			
	hon roughdent			
	When Power Feed Mode is Single, it is by default Non-Redundant.			
	When Power Feed Mode is Dual, it is always Redundant.			
System Power Save Control	Sets enable/disable for Power Saving function for entire system.			
Control	· Enable · Disable			
	Power Saving function supports only PSU_P 200V.			
	Default is Disable.			
	When the Power Saving function is used, it is necessary to set all partitions in the			
	system from the UEFI menu as follows.			
	· "Power Technology" is set to "Energy Efficient" or "Custom".			
	• When "Power Technology" is set to "Custom", "Speed Step" is additionally set			
	to "Enabled".			

Items	Description
System Power Saving	Sets the power consumption threshold (Limit value) of entire system.
Threshold	Minimum value is 3200W.
	Maximum value is as shown below.
	 PRIMEQUEST 2400E3/2400E2/2400E : 8640W
	 PRIMEQUEST 2800E3/2800E22800/E : 8640W
	· PRIMEQUEST 2800B3/2800B2/2800B : 8640W
	Setting is possible only when System Power Save Control is Enable, gray-out at the time of disable.
	Default value is the maximum value of each model.

TABLE 1.155 [System Setup] window button

Buttons	Description
Apply	When items such as [Power Feed Mode] and [Power Restore Policy] are specified and [Apply]
	button is clicked, the information is set.
Cancel	When [Cancel] button is clicked, returns to the original status without setting the changed or input items.

(1) Menu Operation [System] – [System Setup]

> (2) Window Operations Specify the items such as [Power Feed Mode] and [Power Restoration Policy] and click on the [Apply] button. Respective information is set.

[Message]

This section describes the messages to be displayed on this window.

Message Number	Message		
I_00013	Setting completed.		
E_00100	Failed to set the System Setup		
W_00426	Invalid values specified.		

For details on the messages displayed on the window, see *PRIMEQUEST 2000 Series Message Reference* (CA92344-0540).

1.7.7 [Power Control] Window

[Power Control] window displays the power control of the system.

Remarks

When the operating system supports ACPI (Advanced Configuration and Power Interface), the power can be turned Off after the operating system is Shutdown by Power Off operation. If ACPI is not supported, power can be Off without the Shutdown of the operating system. Moreover, even if the operating system supports ACPI, and applications running on the operating system are not supported, sometimes power Off is not possible. Since these depend on the specifications of the operating system and applications, for details, refer to the operating system and application specifications.

- รบ)๊เรรบ -	Model: Part Number: Serial Number: Status:	PRIMEQUEST 2800B MCF3AC111 Normal	_
System User Administration 2 >System >Power Control	Network Configuration Maintenar		Logout
System Status System Event Log Operation Log System Information Firmware Information	Power Control Select a Power Control option	, then click the Apply button to take effect.	(Refresh) (Help)
 System Setup Power Control 	Status	Normal	
Power Control Schedule	Power Status	Standby	
 Schedule Console Redirection Setup 	System Progress	Power Off	
ASR Control	Power Control	(Not specified)	
Console Redirection	Force Power Off Delay	🔲 🔳 👻 min	
Mode	Boot Selector	No Override	
 LEDs Power Supply Fans Temperature SB IOU DU OPL MMB 	>	(Apply) Cancel	

FIGURE 1.132 [Power Control] Window

- Select the process executed for the system from Pull-down menu of [Power Control]. Then, click the [Apply] button. Dialog box for confirmation appears.
- 2. Click the [OK] button to execute the process. Click the [Cancel] button to cancel the process.

When system Power is On, or when Power is Off, and when the specified control is failed, Warning dialog box appears.

When the CPU mounted on the SB of system is not matched at the time of specifying the Power On of system, Warning dialog box appears. Error occurs in the Power On operation.

Items	Description
Status	Displays the Status of the System. Normal Warning Error
Power Status	Displays the Power Status of the System. • On • Standby
System Progress	 The status of the partition progress is displayed. Power Off: The partition power is off. Power On In Progress: Partition power on is in process. Reset: The status of the partition from the beginning of reset till the completion of the operating system boot. EFI: The UEFI menu screen is displayed. Boot: Operating system is being booted. Operating system Running: Operating system running state Operating system Shutdown: Operating system shutting down. Panic: Panic (Only in RHEL) Power Off In Progress: Partition power off is in process. Fatal: Stopped. Dumping: The dumping is being output. Halt: Halting.
	 Remarks When SVAS (Server View Agentless Service) is not installed to system, the display is not switched over in 'Operating system Running' even if Operating system is working. Moreover, for 'Operating system shutdown', 'Panic' commanded by SVAS if SVAS (Server View Agentless Service) is not installed, there is no display. When REMCS Option is installed on Partition of RHEL, "Panic" is displayed. It is not displayed in Windows. SVAS : Specifies the piece of software running on the OS in managed nodes to help BMC with management. Unless SVAgent, it does not provide management interface to the outside.

Items	Description
Power Control	Selects power control specified for the system. However, for the system which is already in power-on state, [Power On] is not displayed. On the contrary, for the system which is already in powered off, [Power Off], [Reset], [NMI], [Power Cycle], [Force Power Off] and [sadump] are not displayed.
	 Power On: System is the powered on. Power Off: System is powered off. From the view point of Operating system, it is same as that the power button of the device is on. Therefore, when the operating system supports the ACPI, power can be turned off after the operating system is shutdown. For details, see Power Specifications (ACPI) of the operating system. When the operating system does not support the ACPI, the power can be turned off without shutting down the operating system. Power Cycle: Powered on again after the partition is forcibly powered on. Reset: Resets the partition. NMI: Produces the NMI interruption for the system. Force Power Off: Turns off the power forcefully. sadump: Specifies the SADUMP for the system.
Force Power Off Delay	 (Not specified): There is no instruction for this system. Specifies whether to enforce power off, when power off is done without proper operation of the shutdown instruction for the operating system by [Power Off] on the partition. In case enforced power off has been specified, the specified time (1~9 minutes) can be set. The system is forcibly powered off when the specified time has lapsed. The default setting of check box is Off.
Boot Selector	 Specifies the boot device for which the Boot Manager setting of BIOS is Override temporarily. Select the device to be boot from pull-down menu. No Override: Boots by the EFI Boot Manager settings. Force boot into EFI Boot Manager: Waiting for input by the EFI Boot Manager. Boot by selecting the boot device from the EFI Boot Manager Force PXE/iSCSI: Overrides the EFI Boot Manager settings, forcibly tries the PXE. Force boot from DVD: Overrides the EFI Boot Manager settings, and forcibly tries the booting from the System DVD.
	Default setting is 'No Override'. This setting is applied only for the first system boot setting the value. After the system boots, this setting automatically returns to 'No Override'. Therefore, it is necessary to set the boot for system. In case of constant setting, it is set in the Boot Manager of the UEFI.

TABLE 1.157 [Power Control] Window Buttons

Buttons	Description
Apply	When you click the [Apply] button, the information of power control items is set.
	Confirm the setting contents if dialog box prompts for Confirmation.
Cancel	When you click the [Cancel] button, returns to source without setting the information of power
	control items corresponding to partition,.

Remarks

When the operating system supports the ACPI, the operating system can be shutdown by the above mentioned Power Off operation and the power can be turned off. When the operating system is not supported by the ACPI, the power is turned off without shutting down the operating system. Moreover, when the application which is operating in the operating system is not supported even if the operating system is supported by the ACPI, the power cannot be turned off. Since this is according to the operating system and application specifications, for details, see the Operating System and Application Manual.

(1) Menu Operation [System] – [Power Control]

- (2) Window Operations
- 1. Click the [Status Clear] button. Selects the power control items related to each partition from the pulldown list of [Power Control]. Then click the [Apply] button. Dialog box for setting confirmation appears.
- 2. Click [OK] button to execute the settings.

[Message]

This section describes the messages to be displayed on this window.

Message Number	Message
E_00141	Unable to power on the System.
E_00142	Unable to power off the System.
E_00002	Command Failed
E_00144	Unable to power off/on the System.
E_00145	Unable to reset the System.
E_00146	Unable to generate an NMI interrupt in the System.
E_00143	Unable to forcibly power off the System.
E_00091	Force Power Off Delay setting failed.
E_00xxx	Unable to power on the system due to CPU mismatch between SBs.
E_00154	Unable to power on due to mismatch between supply voltage and input voltage.
I_00151	Unable to control system power because maintenance is in progress.
	Release maintenance mode first.
E_00xxx	Unable to power on the system due to CPU composition abnormal.
E_00xxx	Unable to power on the system due to DIMM composition abnormal.
E_00xxx	Unable to power on the system due to DIMM does not satisfy requirements of Mode.
W_00504	The Power On failed, because of switching the Home SB.
	Please execute it after a while again.
E_00xxx	Unable to power on the system due to abnormal SB composition.

For details on the messages displayed on the window, see *PRIMEQUEST 2000 Series Message Reference* (CA92344-0540).

1.7.8 [Schedule] Menu

The [Schedule] menu has the [Schedule Control] and [Schedule List] windows. This section describes the windows and the operation.

Note

As mentioned below, there may be a delay in the time recorded in SEL compared to the time reserved for scheduled operations.

- After checking the configuration and after performing the start up preparation process, it takes some time until the power is ON. In this case, the SEL display is delayed about from six seconds up to 8 seconds than the time reserved for the scheduled operations.
- The shutdown instructions from MMB to OPERATING SYSTEM take certain time from the set time. However, the following interval times may be changed under the various conditions like setting and the configuration.
- · Interval time until shutdown instructions reaches OS from MMB.
- · Interval time until MMB notifies SEL begin shutdown after OS begins shutdown.
- Even if the [Power on Delay] is 0 seconds, it takes about 30 seconds ~ 70 seconds from starting the
 power on up to the reset.

1.7.8.1 [Schedule Control] window

In the [Schedule Control] window, the setting related to the schedule can be set for system.

FIGURE 1.133 [Schedule Control] Window

FUĴÎTSU	Model: _ Part Number: _ Serial Number: _ Status:	PRIMEQUEST 2800B MCF3AC111 Normal	_
System Vser Administration	n <u>Network Configuration</u> Maintena ule Control	ance	Logout
System Status System Event Log Operation Log System Information Firmware Information	Schedule Control	Dl I click the Apply button to take effect.	Help
 System Setup Power Control Schedule 	Schedule Control Number of schedules	\bigcirc On \odot Off 0]
 Schedule Control Schedule List Console Redirection Setup ASR Control 	2		
 ASK Control Console Redirection Mode LEDs 			
 Power Supply Fans Temperature 			
 SB IOU DU 			
 OPL MMB 		Apply Canc	
	8	Apply Canc	

If the maintenance work (either Hot System Maintenance, Warm System Maintenance or Cold System Maintenance) of the system executed in the schedule execution time, the scheduled operation does not execute the power operation of the system.

If the schedule overlaps on the same day, it is processed according to the following priority levels.

Special > Monthly > Weekly > Daily

- Daily: Schedule executed every day
- · Weekly: Schedule executed every week
- Monthly: Schedule executed every month
- · Special: Schedule executed on specific day every year

Moreover, if the Power On and Power Off is specified at the same time, the priority is given to Power Off.

Because System does not do Power On in Power On Delay, Schedule Power Off is disregarded. Moreover, when OS does not accept the Shutdown demand, Power Off is not done.

TABLE 1.158 Display Items and Setting Items of [Schedule Control] Window

Items	Description
Schedule Control	Sets whether schedule operation is done for system.
	· On
	· Off
	Default setting is Off.
Number of schedules	Displays the number of schedules that are set.

TABLE 1.159 [Schedule Control] Window Buttons

Buttons	Description
Apply	When the [Apply] button is clicked, the schedule operation information for the system is set.
Cancel	When the [Cancel] button is clicked, the browser returns to the original status without setting the schedule operation information for the system.

(1) Menu Operation

[System] - [Schedule] - [Schedule Control]

(2) Window Operations

- 1. Specifies whether schedule operation has to be carried out by Radio button for system.
- 2. Click the [Apply] button.

1.7.8.2 [Schedule list] Window

Up to 1000 instances of system power On / Off schedule can be recorded in the [Schedule list] Window.

		FIGURE 1.134 [Schedule List] Window	
FUĴÎTSU	Model: _ Part Number: Serial Number: Status:	PRIMEQUEST 2800B MCF3AC111 Normal	_
System User Administration		aintenance	Logout
>System >Schedule >Sched	dule List		
 System Status System Event Log Operation Log System Information 	Schedule Li	st click the Edit/Remove button to edit or remove the schedule.	Help
Firmware Information	Click Add button to a		
System Setup			
Power Control	Type Pattern	Term On Time Off Time	
Schedule			
Schedule Control			
Schedule List			
 Console Redirection Sets ASR Control 	up		
ASR Control Console Redirection			
Console Redirection Mode			
Power Supply			
Fans			
Temperature			
▪ SB			
🗉 IOU			
🗉 DU			
🖸 OPL			
🖸 MMB			
	8	Add Edit Remove Cancel	

FIGURE 1.134 [Schedule List] Window

Schedule will appear in chronological order of the start date of the period. If the start date are the same, the schedule appears in the sequence in which it is listed.

Remarks

If the Type is Weekly, the start date is considered to be "Oneday".

Items	Description	
	Select the schedule to be edited or removed.	
Туре	Displays the type of schedule set in the system.	
	Daily: Select when you want to execute every day	
	Weekly: Select when you want to execute every week	
	Monthly: Select when you want to execute every month	
	• Special: Select when you want to execute on a particular day every year.	
	If the schedule overlaps on the same day, it is processed according to the	
	following priority order.	
	Special > Monthly > Weekly > Daily	
Pattern	Displays the schedule pattern corresponding to the type of the schedule.	
	Days of week in Weekly (Sun ~ Sat)	
	The period in Monthly	
	The specific month and day in Special	
Term	Displays the period of the schedule according to the type and the pattern of the	
	schedule.	
	 Daily: Starting month and date and ending month and date. 	
	Weekly: Starting month and ending month.	
	Monthly: Starting month and ending month.	
	Default setting is as follows	
	Daily: From: Jan / 1 To: Jan / 1	
	Note It is executed only on January 1.	
	Weekly: From: Jan To: Jan	
	Note It is executed only in January.	
	Monthly: From: Jan To: Jan	
	Note It is executed only in January.	
On Time	Displays the time when the process of Power On is executed on the specified	
	execution day. Time specifies 24 hours. Minute indicates the interval of 10	
	minutes, as 00, 10, 20, 30, 40, and 50.	
Off Time	Displays the time when the process of Power Off is executed on the specified	
	execution day. Time indicates 24 hours. Minute indicates the interval of 10	
	minutes, as 00, 10, 20, 30, 40, and 50.	

Buttons	Description
Add	If [Add] button is clicked, [Add Schedule] window appears and the schedule can be added.
Edit	If [EDIT] button is clicked, [Edit Schedule] window appears and the schedule can be changed.
Remove	If [Remove] button is clicked, the selected schedule can be deleted.
Cancel	If [Cancel] button is clicked, the browser returns to the previous window.

TABLE 1.161 [Schedule List] Window Buttons

(1) Menu Operation

[System] - [Schedule] - [Schedule List]

- (2) Window Operations
- · If the schedule is to be added newly
- 1. Click [Add] button.
 - [Add/Edit Schedule] window appears.
- 2. Add the schedule to the [Add/Edit Schedule] window.
- · If the schedule is to be changed
- 1. Select an existing schedule with [Radio] button.
- 2. Click [Edit] button.
- [Add/Edit Schedule] window appears.
- 3. Changes an existing schedule in [Add/Edit Schedule] window.
- · If the schedule is to be deleted
- 1. Select the schedule with [Radio] button.
- 2. Click [Remove] button.
- The confirmation dialog box appears.
- 3. Click [OK] button. Deletes the schedule.

[Message]

This section describes the messages to be displayed on this window.

Message Number	Message
I_00013	Setting completed.
E_00412	You need an empty entry.
W_00413	Nothing is selected.

For details on the messages displayed on the window, see *PRIMEQUEST 2000 Series Message Reference* (CA92344-0540).

1.7.8.3 [Add Schedule] window/ [Edit Schedule] window

In [Add Schedule] window, the schedule of Power On / Off for each partition, can be added newly. In [Edit Schedule] window, an existing schedule can be changed.

The window items of [Add Schedule] window and [Edit Schedule] window are common.

In this section, an explanation is given by using the [Add Schedule] window.

FIGURE 1.135 [Schedule List] Window

FUĴĨTSU	Model: _ Part Number: Serial Number Status:	Normal	_	
System User Administration		ation Maintenance		Logout
-	List			
System Status				
System Event Log	Add Sc	hedule		Help
Operation Log				
 System Information Firmware Information 	Input a sched	ile, then click the Apply button to take effect.		
System Setup	Toma	Pattern	Term	
Power Control	Type O Daily	ratteni	From: Jan v 1 v To: Jan v 1 v	
Schedule				
Schedule Control	O Weel			
Schedule List		ıly From: 1 💌 To: 1 💌	From: Jan 🚩 To: Jan 💌	
Console Redirection Setup	O Speci	al Jan 👻 1 💌	74	
ASR Control				
Console Redirection	🗆 On T	me Hour: 0 🍸 Min: 0 🎽		
 Mode LEDs 	Off T	me Hour: 0 💌 Min: 0 💌		
Power Supply				
Fans				
Temperature				
€ SB				
🗉 IOU				
🗉 DU				
OPL				
MMB				
		Apply	ancel	
<	>			

Items	Description
Туре	Select the types of schedule to be set in the system.
	Daily: Select when you want to execute every day
	 Weekly: Select when you want to execute every week
	 Monthly: Select when you want to execute every month
	· Special: Select when you want to execute on a particular day every year.
	(The useful range of Special becomes only a specified day.)
	If the schedule overlaps on the same day, it is processed according to the
	following priority order.
	Special > Monthly > Weekly > Daily
	By default, it is not selected.
Pattern	Specify the schedule pattern corresponding to the types of the schedule.
	 Weekly : Day in a week (Sun ~ Sat)
	Monthly: Period in a month
	Special: Specified month
	Default settings are as follows.
	Day in a week: Not selected
	Period: From : 1 To: 1
	Specified date: Jan/1
Term	Specify the period of the schedule according to the type and pattern of the
	schedule.
	Daily: Starting month and date, and ending month and date
	Weekly: Starting month and ending month
	Monthly: Starting month and ending month
	Default settings are as follows.
	Daily: From: Jan / 1 To: Jan / 1
	Weekly: From: Jan To: Jan
	Monthly: From: Jan To: Jan
On Time	On the specified execution date, set whether the power-supply is to be turned ON.
	If the power-supply is to be ON, set the time.
	Time is specified in24 hours. Minute specifies the interval of 10 minutes as 00,
	10, 20, 30, 40, and 50.
Off Time	Set whether the power-supply is OFF on the specified execution date.
	If the power-supply is OFF, set the time.
	Time is specified in 24 hours. Minute is specified in the interval of 10 minutes,
	as 00, 10, 20, 30, 40, and 50.

TABLE 1.162 Display Items	s and Set Items of	[Add Schedule] Window
TABLE 1.162 Display items	s and Set items of	

TABLE 1.163 [Add Schedule] Window Buttons

Buttons	Description
Apply	If the [Apply] button is clicked, the schedule information specified in each item is applied to the
	partition.
Cancel	If the [Cancel] button is clicked, returns to the original sate without applying the schedule
	information specified in each item.

[Message]

This section describes the messages to be displayed on this window.

Message Number	Message
I_00013	Setting completed.
W_00414	Invalid Date Format
W_00415	The duplicate On/Off Time is found.
W_00416	Both On/ Off Time are disabled.

For details on the messages displayed on the window, see *PRIMEQUEST 2000 Series Message Reference* (CA92344-0540).

1.7.9 [Console Redirection Setup] Menu

There are following windows in the [Console Redirection Setup] menu. □[IPv4 Console Redirection Setup] window □[IPv6 Console Redirection Setup] window

1.7.9.1 [IPv4 Console Redirection Setup] window

The IP address settings for accessing Console Redirection Setup of IPv4, subnet mask, video redirection and enable/disable settings of virtual media can be done in the [IPv4 Console Redirection Setup] window.

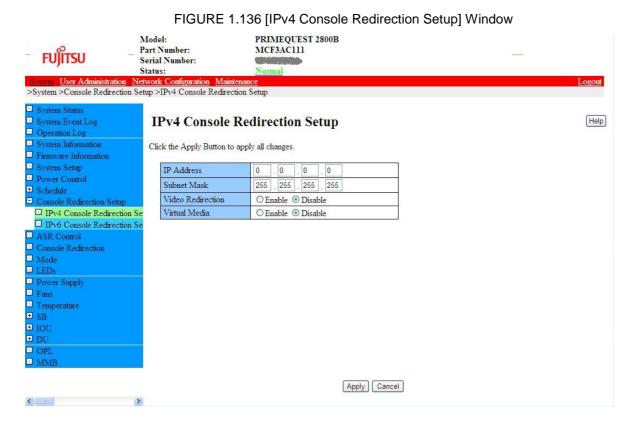


TABLE 1.164 Display Items and Set Items of [IPv4 Console redirection Setup] Window

Items	Description	
IP Address	Enters the IP address for the Console Redirection of the partition. Specify an IP	
	address of the same segment as the virtual IP address used to access the MMB	
	Web-UI (see "1.5.2 [Network Interface] Menu"). Note that this IP address must be	
	different from that virtual IP address.	
	Default is 0.0.0.0.	
Subnet Mask	Enters the subnet mask for the Console Redirection IP of the partition.	
	Default is 255.255.255.	
Video Redirection	Sets whether video redirection can be used.	
	Enable: Video redirection can be used.	
	Disable: Video redirection cannot be used.	
	Default is Disable	
Virtual Media	Sets whether virtual media can be used.	
	Enable: Virtual media can be used.	
	Disable: Virtual media cannot be used.	
	Default is Disable.	

IABLE 1.165 [IPV4 Console redirection Setup] Window Butt	4 Console redirection Setup] Window Buttons	TABLE 1.165
----------------------------------------------------------	---------------------------------------------	-------------

Buttons	Description
Apply	When [Apply] button is clicked, video redirection, virtual media settings of the system are
	applied.
Cancel	When [Cancel] button is clicked, video redirection, virtual media settings are not applied and it returns to the original state.

(1) Menu Operation

[System] - [Console Redirection Setup] - [IPv4 Console Redirection Setup]

- (2) Window Operations
- 1. IP address and the subnet mask are entered and it is set whether video redirection, virtual media can be used.
- 2. [Apply] button is clicked.

[Message]

This section describes the messages to be displayed on this window.

Message Number	Message
W_00432	Invalid IP Address specified
W_00433	The duplicate IP address was found.
I_00417	Are you sure?

1.7.9.2 [IPv6 Console Redirection Setup] window

The IP address settings for accessing Console Redirection LAN of IPv6, prefix length settings, video redirection and enable/disable settings of virtual media can be done in the [IPv6 Console Redirection Setup] window.

In case of automatic settings, when [Auto] button is clicked, IP address, prefix length are automatically acquired.

FIGURE 1.137 [IPv6 Console Redirection Setup] Window

_	FUĴÎTSU - ^P s	Model: Part Number: Serial Numbe Status:	r:	MCF3A	QUEST 2800B C111		_
and the same	stem User Administration Net stem >Console Redirection Set						Logout
		up > n vo co	iisole recuirection	octup			
	ystem Status	ID-CC	Densel D.	12	C. tran		
	ystem Event Log Operation Log	IPv6 C	Console Re	direct	ion Setup		Help
	vstem Information	CH1 4 4					
	irmware Information	Click the Ap	oply Button to app	ily all chang	es.		
	vstem Setup	IP Add					1
	ower Control				1		-
	chedule	Prefix L	ength	0			
	Console Redirection Setup	Video F	Redirection	OEnabl	e 💿 Disable		
	IPv4 Console Redirection Se		Media	OEnabl	e 💿 Disable		
	IPv6 Console Redirection Se	-		-			-
	SR Control	Automa	tic Acquisition	Auto			
100	Console Redirection						_
	/lode						
	ower Supply						
	emperature						
E S							
•							
• I							
•)PL						
D N	1MB						
<					Apply C	ancel	

Items	Description			
IP Address	Enters the global address for IPv6 which can be connected.			
	In case of automatic acquisition, the acquired IP Address is displayed.			
Prefix Length	Enters the prefix length for IPv6.			
	In case of automatic acquisition, the acquired prefix length is displayed.			
Video Redirection	Sets whether video redirection can be used.			
	Enable: Video redirection can be used.			
	Disable: Video redirection cannot be used.			
	Default is Disable.			
Virtual Media	Sets whether the virtual media can be used or not.			
	Enable: Virtual media can be used.			
	Disable: Virtual media cannot be used.			
	Default is Disable.			
Automatic acquisition	When IPv6 address is automatically acquired, the "Auto" button is clicked. IP			
	address and prefix length are automatically acquired and overwritten.			

TABLE 1.167 [IPv6 Console redirection Setup] Window Buttons

Buttons	Description
Auto	When you Click [Auto] button IP address and prefix length is automatically displayed.
Apply	When you click the [Apply] button, video direction of the system, virtual media setting is applied.
Cancel	When you click the [Cancel] button, virtual media setting, video redirection is not applied and it
	returns to the original state.

(1) Menu Operation

[System] - [Console Redirection Setup] - [IPv6 Console Redirection Setup]

- (2) Window Operations
 1. Input the IP address, prefix length and sets whether video redirection and virtual media should be used.
 2. Click the [Apply] button.

[Message]

This section describes the messages to be displayed on this window.

Message Number	Message
W_00432	Invalid IP Address specified
W_00433	The duplicate IP address was found.
I_00417	Are you sure?

1.7.10 [Power Management Setup] Window

In the [Power Management Setup] window, Power Saving can be set in the system.

Power Saving can be set only when the Power save Control as system is Enable.

When the System Power Save setting is Disable, then the display of this screen is shown as gray and cannot be set.

FIGURE 1.138 [Power management Setup] window

- รบ)๊เรรบ -	Model: Part Number: Serial Number: Status:	PRIMEQU MCF3AC11				Active:MMB#0
System Partition User Admin >Partition >Power Management		<u>iration</u> <u>Maintenance</u>				Logout
 Power Control Schedule Console Redirection Setup Partition Configuration 		agement Setu	р			[Help]
Partition Configuration Reserved SB Configuration Power Management Setup Partition#0	Click the Apply Butto	n to apply all changes. Power Control Status	Power Save Control	Power Save Grace Period	Action reaching Power Save	
	0	Normal	 Enable Disable 	0 min	Partition Power Off	
2	>		(Apply Cano	cel	

Items	Description
Power Control Status	 Displays the operating state of power control status of system. Normal: Normal operating state. Shows that the operating rate suppression function for limitation of the electric power consumption is not working. Power Saving: Shows that the operating rate is being suppressed
Power save Grace Period	Sets shutdown waiting time in Power Save Grace Period System when the Limit threshold is exceeded. Specified in the range of 0 ~ 99 minutes. Shows a valid item when Power Save Control of system is Enable and shows gray color when Disable. Default is 5 minutes.
Action reaching Power Save	 Executes the operation setting in the system after the Limit threshold excess stand-by time. Continue: Continues operation for the system under operation. Power Off: Power Off is done for the system under operation. Force Power Off: Force Power Off is done for the system under operation. Displays a valid item when Power Save Control of system is Enable and displays gray color in case of Disable. Default is Power Off

TABLE 1.168 Display Items and Set Items of	of [Power Management Setup] Window

TABLE 1.169 [Power Management Setup] Window Buttons

Buttons	Description
Apply	The setting of the Power Management Setup is changed.
Cancel	Returns to the original state without changing the setting of the Power Management Setup.

(1) Menu Operation [System] - [Power Management Setup]

(2) 1.

Window Operations Set the items for changing the settings of the Power Management Setup and click the [Apply] button. Set the connection.

1.7.11 [ASR Control] Window

The conditions for executing automatic restart of the system on the [ASR (Automatic Server Restart) Control] can be set.

	FIGURE 1.13	39 [ASR (Auto	omatic Server Restart) Contr	ol] Window
	Model: Part Number: Serial Number: Status: <u>Network Configuration Main</u>	PRIMEQUEST MCF3AC111 Normal	2800B	Logout
 >System >ASR Control System Status System Event Log Operation Log System Information 	ASR(Automat		start) Control	(Help)
 Firmware Information System Setup Power Control Schedule Console Redirection Setup 	ASR Number of Restart T Action after exceedin Retry Counter	ries	5 V Stop rebooting and Power Off V 5	
ASR Control Console Redirection Mode LEDs Power Supply Fans	Boot Watchdog Boot Watchdog Timeout time (second Action when watchd		© Enable © Disable 6000 Continue	
 Temperature SB IOU DU OPL 	Software Watchdog Software Watchdog Timeout time (second Action when watchd	ls)	© Enable Disable	
	>		(Apply) Cancel	1

TABLE 1.170 Display Items and Set Items of [ASR (Automatic Server Restart) Control] Window

Items	Description
Number of Restart Tries	Set the number of retries for restarting the operating system when there is time out by Boot Watchdog, or Software Watchdog of SVAS, or the hardware error occurs and OS shuts down. The number of times can be set up to 0-10 times. When 0 is specified, it does not retry. Default is five times.
Action after exceeding Restart tries	 Repeat the restart by Watchdog Timeout and sets the action when the above- mentioned retry number is exceeded. The actions are as below. Stop rebooting and Power Off: Reboot process is stopped, power supply of partition is cut off. Stop rebooting: Reboot process is stopped, and the system is stopped. Diagnostic Interrupt assert: Reboot process is stopped, instructs the NMI interruption for system. Tries to collect the data for investigation (damp) for the investigating the cause of stoppage, of the system which has stopped. Default setting is 'Stop rebooting and Power Off'
Retry Counter	Displays the number of actual possible retries.

TABLE 1.171	[ASR (Automatic Server Restart) Control] Window Buttons
--------------------	---------------------------------------------------------

Buttons	Description
Apply	Sets the information if [Number of Restart Tries] [Action after exceeding Restart tries] are
	specified.
	If [Cancel Boot Watchdog] is selected as On, Boot Watchdog is cancelled.
Cancel	Does not set the information and returns to the original state.

(1) Menu Operation [System] - [ASR Control]

(2)

- 1.
- Window Operations Every item is set. [Apply] button is clicked. 2.

Specified information is set. Also, if the [Cancel Boot Watchdog] check box is selected as On, Boot Watchdog is cancelled.

1.7.12 [Console Redirection] Window

If the Console Redirection screen is selected when it enabled, the Video Redirection screen on the BMC is displayed in another window.

If the settings in [Console Redirection setup] Window are Disabled, check box cannot be Checked. The check box can be selected by making the setting of Video Redirection Enable on either [Console Redirection Setup] screen of IPv4 or IPv6 when Console Redirection is used from CE Port.

FIGURE 1.140 [Console Redirection] Window

- FUJITSU -	Model: Part Number: Serial Number: Status: Network Configuration Maintenai	PRIMEQUEST 2800B MCF3AC111		 Logout
>System >Console Redirection	verwork Conlight allon maintena			Logour
System Status System Event Log Operation Log System Information Firmware Information	Console Redirec			Help
 System Setup Power Control Schedule Console Redirection Setup 	Operation Uideo Redirection			
ASR Control Console Redirection Mode LEDs Power Supply				
 Fans Temperature \$B 10U 				
• DU • OPL • MMB				
<	٤	Appl	y] Cancel	

TABLE 1.172 Display Items of [Console Redirection] Window

Items	Description	
Video Redirection	Displays the Video Redirection on the BMC side. On the Console Redirection Setup window, selection is possible only when Enabled; when Disabled, the check box cannot be checked.	

(1) Menu Operation

[System] – [Console Redirection]

(2) Window Operations None

[Message]

This section describes the messages to be displayed on this window.

Message Number	Message		
W_00413	Nothing is selected.		
W_00472	Unable to get the reserved WEB Session information due to WEB Session Max over.		
W_00473	Unable to check the Video Redirection check box due to the Video Redirection option		
	is disabled.		
I_00151	Unable to control system power because maintenance is in progress. Release		
	maintenance mode first.		
I_00417	Are you sure?		
W_00541	Nothing is checked.		

For details on the messages displayed on the window, see PRIMEQUEST 2000 Series Message Reference (CA92344-0540).

1.7.13 [Mode] Window

11

Various modes can be set for system in [Mode] window. In order to reflect the set value, turn Off the power of system and then it is necessary to turn On the Power of system once again.

FIGURE 1.141 [Mode] Window (PRIMEQUEST 2800B2/2800B)

		MCF3AC111	
UJIISU	Serial Number:		
m User Administration N	Status: <u>Maintenance</u>	Normal	Logout
tem >Mode			
ystem Status			
system Event Log	Mode		Help
Operation Log	Select mode for the system, then		^
System Information Firmware Information	Note : The system power off/on i	s required for the selections to become effective.	
System Setup	Memory Operation Mode	current status Normal Mode	
Power Control		setting O Performance Mode	
Schedule Connella Radioaction Satur		③ Normal Mode	
Console Redirection Setup IPv4 Console Redirection S	Se	Partial Mirror Mode Full Mirror Mode	
IPv6 Console Redirection S		Spare Mode	
ASR Control	Memory Mirror RAS Mode	-	
Console Redirection		setting Mirror Keep Mode Capacity Keep Mode	
Mode LEDs	TPM	chip status Disabled	
Power Supply		current status Deactivated	
ans		ownership No	
Temperature	On board LAN Mode		
SB	IOU#0	current status Enable(WOL disabled)	
DU		setting O Enable(WOL enabled)	
OPL		Enable(WOL disabled) Dialate	
MMB	IOU#1	O Disable current status Enable(WOL disabled)	
		Apply Cancel	M
	*		
ð	Model:	2 [Mode] Window (PRIMEQUEST 2800B3 PRIMEQUEST 2800B3)
FUJITSU	Model: Part Number: Serial Number:	PRIMEQUEST 2800B3)
	Model: Part Number: Serial Number: Status:	PRIMEQUEST 2800B3)
tem User Administration	Model: Part Number: Serial Number:	PRIMEQUEST 2800B3)
stem <u>User Administration</u> stem >Mode	Model: Part Number: Serial Number: Status:	PRIMEQUEST 2800B3)
stem User Administration stem >Mode system Status	Model: Part Number: Serial Number: Status: <u>Network Configuration Mainten</u>	PRIMEQUEST 2800B3)
stem User Administration stem >Mode system Status system Event Log	Model: Part Number: Serial Number: Status: <u>Network Configuration Mainten</u> Mode	PRIMEQUEST 2800B3)
tem User Administration stem >Mode ystem Status ystem Event Log uperation Log ystem Information	Model: Part Number: Serial Number: Status: <u>Network Configuration Mainten</u> Mode Select mode for the system,	PRIMEQUEST 2800B3)
tem User Administration stem >Mode ystem Status ystem Event Log uperation Log ystem Information imware Information	Model: Part Number: Serial Number: Status: <u>Network Configuration Mainten</u> Mode Select mode for the system,	PRIMEQUEST 2800B3)
User Administration stem >Mode system Status	Model: Part Number: Serial Number: Status: <u>Network Configuration Mainten</u> Mode Select mode for the system,	PRIMEQUEST 2800B3)
tern User Administration (stem >Mode (system Status (system Event Log (system Event Log (system Information (imware Information (system Setup (swer Control	Model: Part Number: Serial Number: Status: Network Configuration Mainten Mode Select mode for the system, Note : The system power of	PRIMEQUEST 2800B3)
tem User Administration stem >Mode system Status system Event Log Operation Log system Information immware Information immware Setup Power Control ichedule	Model: Part Number: Serial Number: Status: Network Configuration Mainten Mode Select mode for the system, Note : The system power of	PRINEQUEST 2800B3)
User Administration istem >Mode isystem Status isystem Event Log Operation Log isystem Information isystem Setup Power Control ichedule Console Redirection Setup	Model: Part Number: Serial Number: Status: Network Configuration Mainten Mode Select mode for the system, Note : The system power of Memory Operation Mo	PRINEQUEST 2800B3)
stem User Administration (stem >Mode (system Status (system Event Log (peration Log (system Information (imware Information (imware Setup Power Control (chedule Console Redirection Setup) IPv4 Console Redirection	Model: Part Number: Serial Number: Status: Network Configuration Mainten Mode Select mode for the system, Note : The system power of Memory Operation Mo	PRINEQUEST 2800B3)
stem User Administration stem >Mode system Status system Event Log operation Log system Information imware Information imware Setup Power Control chechule Console Redirection Setup I IPv4 Console Redirection I IPv6 Console Redirection	Model: Part Number: Serial Number: Status: Network Configuration Mainten Mode Select mode for the system, Note : The system power of Memory Operation Mo	PRINEQUEST 2800B3)
tem User Administration stem >Mode isstem Status isstem Event Log Operation Log isstem Information imware Information imware Setup Power Control ichedule Console Redirection Setup I IPv4 Console Redirection I IPv6 Console Redirection SR Control Console Redirection	Model: Part Number: Serial Number: Status: Network Configuration Mainten Mode Select mode for the system, Note : The system power of Memory Operation Mo	PRINEQUEST 2800B3)
tem User Administration stem >Mode ystem Status ystem Event Log operation Log ystem Information imware Information ystem Setup ower Control chedule 'onsole Redirection Setup IPv4 Console Redirection IPv6 Console Redirection SR Control 'onsole Redirection fode	Model: Part Number: Serial Number: Status: Network Configuration Mainten Mode Select mode for the system, Note : The system power off Memory Operation Mo	PRIMEQUEST 2800B3	
tem User Administration stem >Mode ystem Status ystem Event Log peration Log ystem Information imware Information ystem Setup ower Control chedule 'onsole Redirection Setup IPv4 Console Redirection IPv6 Console Redirection SR Control console Redirection fode EDs	Model: Part Number: Serial Number: Status: Network Configuration Mainten Mode Select mode for the system, Note : The system power off Memory Operation Mo	PRINEQUEST 2800B3	
tem User Administration stem >Mode ystem Status ystem Event Log operation Log ystem Information imware Information ystem Setup ower Control chedule console Redirection Setup IPv4 Console Redirection IPv6 Console Redirection SR Control onsole Redirection fode EDs ower Supply	Model: Part Number: Serial Number: Status: Network Configuration Mainten Note: The system power off Memory Operation Mo	PRINEQUEST 2800B3	
tem User Administration stem >Mode ystem Status ystem Event Log uperation Log ystem Information imware Information imware Information ystem Setup ower Control chedule onsole Redirection Setup IPv4 Console Redirection IPv6 Console Redirection SR Control onsole Redirection Iode EDs ower Supply ans	Model: Part Number: Serial Number: Status: Network Configuration Mainten Note: The system power off Memory Operation Mo	PRINEQUEST 2800B3	
tem User Administration stem >Mode ystem Status ystem Event Log operation Log ystem Information imware Information imware Information ystem Setup ower Control chedule console Redirection Setup IPv4 Console Redirection IPv6 Console Redirection SR Control console Redirection fode EDs ower Supply ans emperature	Model: Part Number: Serial Number: Status: Network Configuration Mainten Select mode for the system, Note : The system power of Memory Operation Mo Memory Mirror RAS M Memory Sparing Mode TPM	PRINEQUEST 2800B3	
tem User Administration stem >Mode ystem Status ystem Event Log peration Log ystem Information imware Information ystem Setup lower Control chedule console Redirection Setup I IPv4 Console Redirection I IPv6 Console Redirection SR Control console Redirection Mode EDs lower Supply ans emperature B	Model: Part Number: Serial Number: Status: Network Configuration Mainten Status: Network Configuration Mainten Select mode for the system, Note : The system power of Memory Operation Mo Memory Operation Mo Memory Sparing Mode TPM On board LAN Mode	PRIMEQUEST 2800B3	
stem User Administration ystem >Mode System Status System Event Log Dperation Log System Information Firmware Information System Setup Power Control Schedule Console Redirection Setup D IPv4 Console Redirection ASR Control Console Redirection Mode LEDs Power Supply Fans Cemperature SB OU	Model: Part Number: Serial Number: Status: Network Configuration Mainten Select mode for the system, Note : The system power of Memory Operation Mo Memory Mirror RAS M Memory Sparing Mode TPM	PRIMEQUEST 2800B3 Normal Normal Normal Normal Normal Mode current status Normal Mode Partial Mirror Mode Full Mirror Mode Setting Mirror Keep Mode Address Range Mirror Mode Setting Mirror Keep Mode current status Rank setting Rank Set	
User Administration system >Mode System Status System Event Log Operation Log System Information Firmware Information System Setup Power Control Schedule Console Redirection Setup DiPv4 Console Redirection ASR Control Console Redirection Mode EDs Power Supply Fans Competature SB OU	Model: Part Number: Serial Number: Status: Network Configuration Mainten Status: Network Configuration Mainten Select mode for the system, Note : The system power of Memory Operation Mo Memory Operation Mo Memory Sparing Mode TPM On board LAN Mode	PRIMEQUEST 2800B3	
stem User Administration (stem >Mode (system Status (system Event Log ()peration Log ()peration Log ()peration Log ()peration Log ()peration Setup ()peration Setup	Model: Part Number: Serial Number: Status: Network Configuration Mainten Status: Network Configuration Mainten Select mode for the system, Note : The system power of Memory Operation Mo Memory Operation Mo Memory Sparing Mode TPM On board LAN Mode	PRIMEQUEST 2800B3 Normal Normal Normal Normal Normal Mode current status Normal Mode Partial Mirror Mode Full Mirror Mode Setting Mirror Keep Mode Address Range Mirror Mode Setting Mirror Keep Mode current status Rank setting Rank Set	

^

When the [Apply] button is clicked while the system is powered on, a warning dialog box "W_00487 Unable to change the mode, because this system is powered on" is displayed.

When the system is already powered off, the settings are reflected without displaying the dialog box.

The LAN Device Mode is displayed in IOU Unit comprised in the partition specified by the LAN Device Mode. For settings, select LAN Device Mode in the IOU Unit, with the radio button and click the [Apply] button.

14.0	Description
Items Memory Operation Mode	Description
(Current)	Displays the currently enabled Memory Operation Mode.
(eurony)	• Performance Mode: Displays the settings to the Performance Mode.
	Normal Mode: Displays the settings to the Normal Mode.
	Partial Mirror Mode: Displays the settings to the Partial Mirror Mode.
	Full Mirror Mode: Displays the settings to the Full Mirror Mode.
	Spare Mode: Displays the settings to the Spare Mode.
	 Address Range Mirror Mode : Displays the settings to the Address Range Mirror Mode(This item is displayed in PRIMEQUEST 2800B3.)
Memory Operation Mode	Sets the Memory Operation Mode for system.
(setting)	Performance Mode
	Normal Mode
	Partial Mirror Mode
	Full Mirror Mode
	Spare Mode
	· Address Range Mirror Mode(This item is displayed in PRIMEQUEST
	2800B3.)
	Enables the settings after rebooting the system.
	Default setting is Normal Mode.
Memory Mirror RAS	Displays the Memory Mirror of currently enabled Mode.
Mode (current status)	Mirror Keep Mode: Shows the maintenance of Mode.
· · · · · ·	Capacity Keep Mode: Shows maintenance of memory capacity.
Memory Mirror RAS	Sets the Memory Mirror Mode for system.
Mode (setting)	Mirror Keep Mode
(octaing)	Capacity Keep Mode
	Enables the settings after rebooting the system.
	As these items are enabled only when the Full Mirror Mode or Partial Mirror
	Mode is set, when the rest isset, they are disabled.
.	Default setting is Mirror Keep Mode.
Memory Sparing Mode (current status)	Displays the Memory Sparing currently enabled Mode.
(This item can be available	 1 Rank: 1Rank or less is allocated in Spare Memory.
in the PRIMQUEST	2 Rank: 2Rank or less is allocated in Spare Memory.
2800B3/2800B2)	Auto: Spare Memory is allocated by the automatic operation.
Memory Sparing Mode	Sets the Memory Sparing Mode for partition.
(setting)	1 Rank
(This item can be available in the PRIMQUEST	· 2 Rank
2800B3/2800B2)	· Auto
	Enables the settings after rebooting the partition.
	As these items are enabled only when the Spare Mode is set, when Spare
	Mode is not set, they are disabled.
	Default setting is1 Rank.

Items	Description
TPM	Displays whether TPM function is Enabled or Disabled.
(chip status)	Enabled (TPM is enabled)
	Disabled (TPM is disabled)
	Remarks
	When Home SB is 'without TPM mode', this field is not displayed.
	(TPM1.2/2.0 is supported for PRIMEQUEST 2800B3.)
7014	(Only TPM1.2 is supported for PRIMEQUEST 2800B2/2800B.)
TPM	Displays the TPM status.
(current status)	Activated
	Deactivated
	Demostra
	Remarks
	When Home SB is 'without TPM mode', this field is not displayed.
ТРМ	This item is displayed only at time equipped with TPM1.2.
(ownership)	Displays ownership of TPM. • Yes (having Ownership)
(No (not having Ownership)
	No (not naving Ownership)
	Remarks
	When Home SB is without TPM mode, this field is not displayed.
	This item is displayed only at time equipped with TPM1.2.
IOU	Displays the IOU that belongs to the system.
On board LAN Mode	Displays the On board LAN Mode in IOU Unit.
(current status)	• Enabled (WOL enabled): Onboard LAN can be used at AC On status.
	· Enabled (WOL disabled): Onboard LAN comprised in the system can be
	used at Power On status.
	Disabled: Onboard LAN cannot be used every time.
On board LAN Mode	Sets On board LAN Device Mode in IOU Unit.
(setting)	Select the Mode to be set by using the radio button.
	• Enabled(WOL enabled)
	Enabled(WOL disabled)
	Disabled
	Default setting is Enabled (WOL disabled).

TABLE 1.174 Display/non-display of TPM item by status of the system

		Status of the System		
		Before first System	System Running	System off
		Pon after AC on		
PRIMEQUEST	SB without TPM	No	No	No
2800B3	SB with TPM	No	Yes	Yes
PRIMEQUEST	SB without TPM	No	No	No
2800B2/2800B	SB with TPM	Yes	Yes	Yes

Yes : Display No : Non-display

(1) Menu Operation [System] - [Mode]

- (2) Window Operations1. Specify respective Mode and click the [Apply] button. Confirmation dialog box is displayed.
 - Click the [Ok] button. 2.

[Message]

Message Number	Message
E_00089	Mode setting failed.
E_00090	Power Control [Reset] setting failed.
E_00xxx	Unable to register the system as Mode enable because the DIMM does not satisfy requirements of Mode.
W_00xxx	Unable to change the mode, because the system is powered on.
E_00xxx	Unable to register the system as Mode enable because the CPU mismatch between SBs.
E_00xxx	Unable to register the system as Mode enable because the unsupported CPU configuration.
E_00xxx	Unable to register the system as Mode enable because of abnormal CPU composition.
E_00xxx	Unable to register the system as Mode enable because of abnormal DIMM composition.
E_00xxx	Unable to register the system as Mode enable because of abnormal SB composition.

This section describes the messages to be displayed on this window.

For details on the messages displayed on the window, see *PRIMEQUEST 2000 Series Message Reference* (CA92344-0540).

1.7.14 [SSD Life Cycle Management] Window

PCIe-SSD is installed in IOU or one PCI_Box or more, and the partition including the card is displayed and when ServerView Agentless Service(SVAS) or classic Agent(SVAgent + SVRaid) is operating in the state of OS Running, the writing volume of data of SSD is displayed.

Refer to chapter "1.3.9.5" for the screen and the display.

1.7.15 [SB] Menu

[SB] Menu consists of the menus in each SB unit.

The menu of uninstalled SB is not displayed.

The format of window and operating method are same for each menu, therefore only one menu is explained here.

[SB#x] Window

[SB#x] window displays the status of SB#x board and the settings of SB#x board can be carried out.

FUĴÎTSU -	Model: Part Number: Serial Number: Status:		PRIMEQUEST 2800B MCF3AC111 Normal						
System User Administration N System >SB >SB#0	letwork Configura	<u>tion Mainte</u>	nance						Logou
- System Status System Event Log Operation Log	SB#0								Refresh
System Information	Click the Statu	s Clear butto	on to clear the stat	us.					
Firmware Information									
System Setup Power Control	Board Infe	ormation	OT						
Schedule	Status		OK						
Console Redirection Setup	Power Sta			Standby					
ASR Control	Part Num			CA07603-D003 A4					
Console Redirection	Serial Nur			PP1344048M					
Mode	Location I	LED	Off On Off						
LEDs	CPUs								
Power Supply Fans	CPU#	Status	Core / Max Core	Mode	1	Stepping	Part Number		Serial Number
Temperature SB	0	OK	6/6	Intel® Xeon		C0	CA46100-7440		D09269FA60450F00
□ SB#0 □ SB#1	1	OK	6/6	6/6 Intel® Xeon® E7- 8893V2		CO	CA46100-7440		7284C17E7A96C900
■ SB#2 ■ SB#3	DIMMs			24					
IOU	DIMM#	Status	Size	Rank	Data Rate	Part Num	ber	Seri	al Number
DU	0A0	OK	16GB	2	DDR3-1600	CA07603	-D302	005	2F80C
OPL MMB	0.4.1	NT I			Status				

FIGURE 1.143 [SB#x] Window (1)

	Model:	PRIMEQUEST 2800B		
ELINTELL -	Part Number:	MCF3AC111		
FUJIISU	Serial Number: Status:	Normal		
stem User Administration	Network Configuration N			Lc
ystem >SB >SB#0				
System Status				
System Event Log	SB#0			Refresh
Operation Log	Mezzanine			
System Information Firmware Information		Status		
System Setup	0	OK		
Power Control	1	OK		
Schedule	Process Province 111			
Console Redirection Setup	Chipsets	- Parata		
ASR Control Console Redirection	Chipset	OK		
Mode	TPM			
LEDs	TPM	OK		
Power Supply				
Fans	BMC	or		
Temperature ep	BMC	OK		
SB SB#0	Clock			
□ SB#1	Clock	OK		
□ SB#2				
□ SB#3				
IOU				
DU OPL	Sa			
MMB			Status Clear	
	>			
		FIGURE 1.145	SB#x] Window (3)	
O	Model: Part Number:	FIGURE 1.145 [PRIMEQUEST 2800F MCF3AC111	_ 、 ,	
FUĴĨTSU	Model: Part Number: Serial Number:	PRIMEQUEST 2800F MCF3AC111	_ 、 ,	
	Model: _ Part Number: Serial Number: Status:	PRIMEQUEST 2800F MCF3AC111	_ 、 ,	_
vstem User Administration	Model: _ Part Number: Serial Number: Status:	PRIMEQUEST 2800F MCF3AC111	_ 、 ,	
vstem User Administration System >SB >SB#0	Model: _ Part Number: Serial Number: Status:	PRIMEQUEST 2800F MCF3AC111	_ 、 ,	
vstem User Administration System >SB >SB#0 System Status	Model: _ Part Number: Serial Number: Status:	PRIMEQUEST 2800F MCF3AC111	_ 、 ,	
System Status System Event Log Operation Log	Model: _ Part Number: Serial Number: Status: <u>Network Configuration</u>	PRIMEQUEST 2800F MCF3AC111	_ 、 ,	
User Administration System >SB >SB#0 System Status System Event Log Operation Log System Information	Model: _ Part Number: Serial Number: Status: <u>Network Configuration</u>	PRIMEQUEST 2800F MCF3AC111 Normal	_ 、 ,	
User Administration System >SB >SB#0 System Status System Event Log Operation Log System Information Firmware Information	Model: Part Number: Serial Number: Status: <u>Network Configuration</u> SB#0	PRIMEQUEST 2800F MCF3AC111	_ 、 ,	
System Vser Administration System >SB >SB#0 System Status System Event Log Operation Log System Information Firmware Information System Setup	Model: Part Number: Serial Number: Status: Network Configuration SB#0 Clock Clock Clock	PRIMEQUEST 2800F MCF3AC111 Normal	_ 、 ,	
System User Administration System >SB >SB#0 System Status System Event Log Operation Log System Information Firmware Information System Setup Power Control	Model: Part Number: Serial Number: Status: <u>Network Configuration</u> SB#0 <u>Clock</u>	PRIMEQUEST 2800F MCF3AC111 Comma Maintenance	3	
User Administration system >SB >SB#0 System Status System Event Log Operation Log System Information Firmware Information System Setup Power Control Schedule Console Redirection Setup	Model: Part Number: Serial Number: Status: Network Configuration SB#0 Clock Clock Clock	PRIMEQUEST 2800F MCF3AC111 Normal	3 Threshold	Refresh
User Administration system >SB >SB#0 System Status System Event Log Operation Log System Information Firmware Information System Setup Power Control Schedule Console Redirection Setup ASR Control	Model: Part Number: Serial Number: Status: Network Configuration SB#0 Clock Clock Clock Voltage Sensor	PRIMEQUEST 2800F MCF3AC111 Comma Maintenance	3 Threshold Warning(Low/High)	Critical(Low/High)
Sign User Administration System >SB >SB#0 System Status System Event Log Operation Log System Information Firmware Information System Setup Power Control Schedule Console Redirection Setup ASR Control Console Redirection	Model: Part Number: Serial Number: Status: Network Configuration SB#0 Clock Clock Clock	PRINEQUEST 2800F MCF3AC111 Normal Maintenance	3 Threshold	Refresh
siem User Administration System >SB >SB#0 System Status System Event Log Operation Log System Information System Setup Power Control Schedule Console Redirection Setup ASR Control Console Redirection Mode	Model: Part Number: Serial Number: Status: Network Configuration SB#0 Clock Clock Clock Clock Sensor P5VL	PRINEQUEST 2800F MCF3AC111 Normal Maintenance OK OK 4.99 V	3 Threshold Warning(Low/High) 4.63/ 5.37 V	Critical(Low/High) 3.23/ 6.00 V
stem User Administration System >SB >SB#0 System Status System Event Log Operation Log System Information Firmware Information System Setup Power Control Schedule Console Redirection Setup ASR Control Console Redirection Mode LEDs	Model: Part Number: Serial Number: Status: Network Configuration SB#0 Clock Clock Clock Voltage Sensor P5VL P1.1VL	PRINEQUEST 2800F MCF3AC111 Normal Maintenance OK OK 4.99 V - V	Threshold Warning(Low/High) 4.63/5.37 V 1.02/1.19 V	Critical(Low/High) 3.23/6.00 V 0.71/1.32 V
System User Administration System >SB >SB#0 System Status System Event Log Operation Log System Information Firmware Information System Setup Power Control Schedule Console Redirection Setup ASR Control Console Redirection Mode LEDs Power Supply	Model: Part Number: Serial Number: Status: Network Configuration SB#0 Clock Clock Clock Voltage Sensor P5VL P1.1VL P1.8VL	PRINEQUEST 2800F MCF3AC111 Normal Maintenance OK OK Voltage 4.99 V - V 1.80 V	3 Threshold Warning(Low/High) 4,63/ 5,37 V 1,02/ 1,19 V 1,67/ 1,93 V	Critical(Low/High) 3.23/6.00 V 0.71/1.32 V 1.16/2.17 V
System User Administration System >SB >SB#0 System Status System Event Log Operation Log System Information Firmware Information System Setup Power Control Schedule Console Redirection Setup ASR Control Console Redirection Mode LEDs Power Supply Fans	Model: Part Number: Serial Number: Status: Network Configuration SB#0 Clock Clock Clock Voltage Sensor P5VL P1.1VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL	Voltage 4.99 V - V 1.50 V 0.99 V - V	3 Threshold Warning(Low/High) 4.63/5.37 V 1.02/1.19 V 1.67/1.93 V 1.39/1.61 V	Critical(Low/High) 3.23/6.00 V 0.71/1.32 V 1.16/2.17 V 0.97/1.81 V
Sim User Administration System >SB >SB#0 System Status System Event Log Operation Log System Information Firmware Information System Setup Power Control Schedule Console Redirection Setup ASR Control Console Redirection Mode LEDs Power Supply Fans Temperature	Model: Part Number: Serial Number: Status: Network Configuration Clock Clock Clock Voltage Sensor P5VL P1.1VL P1.8VL P1.5VL P1.0VL P1.8V_CPU VDDQ_DIMM	Voltage 0K 0K 1.50 V 0.99 V -V 1.40 V	3 Threshold Warning(Low/High) 4.63/ 5.37 V 1.02/ 1.19 V 1.67/ 1.93 V 1.39/ 1.61 V 0.92/ 1.08 V	Critical(Low/High) 3.23/ 6.00 V 0.71/ 1.32 V 1.16/ 2.17 V 0.97/ 1.81 V 0.64/ 1.21 V
sien User Administration System >SB >SB#0 System Event Log Operation Log System Information System Setup Power Control Schedule Console Redirection Setup ASR Control Console Redirection Mode LEDs Power Supply Fans Temperature SB □ SB#0	Model: Part Number: Serial Number: Status: Network Configuration Clock Clock Clock Clock Voltage Sensor P5VL P1.1VL P1.8VL P1.5VL P1.5VL P1.5VL P1.5VL P1.0VL P1.6VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0V	Voltage 0K 0K 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	3 Threshold Warning(Low/High) 4.63/ 5.37 V 1.02/ 1.19 V 1.67/ 1.93 V 1.39/ 1.61 V 0.92/ 1.08 V 1.67/ 1.93 V 1.25/ 1.61 V 0.92/ 1.08 V	Critical(Low/High) 3.23/ 6.00 V 0.71/ 1.32 V 1.16/ 2.17 V 0.64/ 1.21 V 1.16/ 2.17 V 0.64/ 1.21 V 1.16/ 2.17 V 0.65/ 1.21 V
Sim User Administration System >SB >SB#0 System Event Log Operation Log System Event Log Operation Log System Setup Power Control Schedule Console Redirection Setup ASR Control Console Redirection Mode LEDs Power Supply Fans Temperature SB SB#0 SB#1	Model: Part Number: Serial Number: Status: Network Configuration Clock Clock Clock Clock Voltage Sensor P5VL P1.1VL P1.8VL P1.5VL P1.0VL P1.8VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0VL P1.0V	Voltage 0K 0K 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	Threshold Wanning(Low/High) 4.63/ 5.37 V 1.02/ 1.19 V 1.67/ 1.93 V 1.39/ 1.61 V 0.92/ 1.08 V 1.25/ 1.61 V 0.92/ 1.08 V 1.25/ 1.61 V 0.92/ 1.08 V	Critical(Low/High) 3.23/ 6.00 V 0.71/ 1.32 V 1.16/ 2.17 V 0.97/ 1.81 V 0.64/ 1.21 V 1.16/ 2.17 V 0.87/ 1.81 V 0.65/ 1.21 V 0.65/ 1.21 V 0.97/ 1.80 V
Siem User Administration System >SB >SB#0 System Status System Event Log Operation Log System Information System Setup Power Control Schedule Console Redirection Setup ASR Control Console Redirection Mode LEDs Power Supply Fans Temperature SB SB#0 SB#1 SB#2	Model: Part Number: Serial Number: Status: Network Configuration Clock Clock Clock Clock Voltage Sensor P5VL P1.1VL P1.8VL P1.5VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.1VL	Voltage 0K 0K 0K 1.50 V 0.99 V -V 1.50 V 0.99 V -V 1.40 V 1.50 V 0.99 V -V 1.50 V 0.99 V -V -V 1.50 V 0.99 V -V	Threshold Warning(Low/High) 4.63/5.37 V 1.02/1.19 V 1.67/1.93 V 1.39/1.61 V 0.92/1.08 V 1.67/1.93 V 1.25/1.61 V 0.92/1.08 V 1.39/1.61 V 0.92/1.01 V	Critical(Low/High) 3.23/6.00 V 0.71/1.32 V 1.16/2.17 V 0.97/1.81 V 0.64/1.21 V 1.16/2.17 V 0.87/1.81 V 0.65/1.21 V 0.65/1.21 V 0.97/1.80 V 0.71/1.32 V
User Administration System >SB >SB#0 System Status System Event Log Operation Log System Information Firmware Information System Setup Power Control Schedule Console Redirection Setup ASR Control Console Redirection Mode LEDs Power Supply Fans Temperature SB#0 SB#1 SB#2 SB#3	Model: Part Number: Serial Number: Status: Network Configuration SB#0 Clock Clock Clock Clock Voltage Sensor P5VL P1.1VL P1.8VL P1.5VL P1.5VL P1.5VL P1.5VL P1.5VL P1.5VL P1.5VL P1.5VL P1.5VL P1.5VL P1.5V_CPU VDDQ_DIMM P1.0V_JC#0A P1.5V_PCH P1.1V P0.9V_PCIEX:	Voltage 4.99 V - V 1.80 V 1.50 V 0.99 V - V 1.80 V 1.99 V - V 1.80 V 1.99 V - V 1.80 V 1.99 V - V - V - V - V - V - V - V - V - V - V - V - V - V - V - V - V - V - V - V - V	Threshold Warning(Low/High) 4.63/5.37 V 1.02/1.19 V 1.67/1.93 V 1.39/1.61 V 0.92/1.08 V 1.67/1.93 V 1.25/1.61 V 0.92/1.08 V 1.67/1.93 V 1.25/1.61 V 0.92/1.08 V 1.39/1.61 V 0.92/1.08 V 1.39/1.61 V 0.92/1.08 V	Critical(Low/High) 3.23/6.00 V 0.71/1.32 V 1.16/2.17 V 0.97/1.81 V 0.64/1.21 V 1.16/2.17 V 0.87/1.81 V 0.65/1.21 V 0.97/1.80 V 0.71/1.32 V
System User Administration System >SB >SB#0 System Event Log Operation Log System Information System Information System Setup Power Control Schedule Console Redirection Setup ASR Control Console Redirection Mode LEDs Power Supply Fans Temperature SB SB#1 SB#2 SB#2 SB#3 IOU	Model: Part Number: Serial Number: Status: Network Configuration Clock Clock Clock Clock Voltage Sensor P5VL P1.1VL P1.8VL P1.8VL P1.8VL P1.8VL P1.8VL P1.5VL P1.0VL P1.8VL P1.5VL P1.0VL P1.5V_CPU VDDQ_DIMM P1.0V_JC#0A P1.5V_PCH P1.1V P0.9V_PCIEX: P1.8V_PCIEX: P1.8V_PCIEX:	Voltage 4.99 V - V 1.80 V 1.50 V 0.99 V - V 1.80 V 1.99 V - V 1.80 V 1.50 V 0.99 V - V - V - V - V - V - V - V - V - V - V - V - V - V - V - V - V - V - V - V - V - V - V - V +0 - V	Threshold Warning(Low/High) 4.63/5.37 V 1.02/1.19 V 1.67/1.93 V 1.39/1.61 V 0.92/1.08 V 1.67/1.93 V 1.25/1.61 V 0.92/1.08 V 1.67/1.93 V 1.25/1.61 V 0.92/1.08 V 1.39/1.61 V 0.92/1.08 V 1.39/1.61 V 0.92/1.08 V 1.39/1.61 V 0.92/1.08 V 1.39/1.61 V 1.02/1.19 V 0.83/0.97 V 1.67/1.93 V	Critical(Low/High) 3.23/6.00 V 0.71/1.32 V 1.16/2.17 V 0.97/1.81 V 0.64/1.21 V 1.16/2.17 V 0.87/1.81 V 0.65/1.21 V 0.97/1.80 V 0.71/1.32 V 1.16/2.17 V 0.58/1.21 V 0.97/1.80 V 0.71/1.32 V 0.58/1.09 V 1.17/2.17 V
vstem User Administration	Model: Part Number: Serial Number: Status: Network Configuration SB#0 Clock Clock Clock Clock Voltage Sensor P5VL P1.1VL P1.8VL P1.5VL P1.5VL P1.5VL P1.5VL P1.5VL P1.5VL P1.5VL P1.5VL P1.5VL P1.5VL P1.5V_CPU VDDQ_DIMM P1.0V_JC#0A P1.5V_PCH P1.1V P0.9V_PCIEX:	Voltage 0K 0K 1.80 V 1.80 V 1.50 V 0.99 V - V - V - V - V - V - V - V - V - V - V - V - V - V - V - V - V +1	Threshold Warning(Low/High) 4.63/5.37 V 1.02/1.19 V 1.67/1.93 V 1.39/1.61 V 0.92/1.08 V 1.67/1.93 V 1.25/1.61 V 0.92/1.08 V 1.67/1.93 V 1.25/1.61 V 0.92/1.08 V 1.39/1.61 V 0.92/1.08 V 1.39/1.61 V 0.92/1.08 V	Critical(Low/High) 3.23/6.00 V 0.71/1.32 V 1.16/2.17 V 0.97/1.81 V 0.64/1.21 V 1.16/2.17 V 0.87/1.81 V 0.65/1.21 V 0.97/1.80 V 0.71/1.32 V

FUĴĨTSU	Model: Part Number: Serial Number: Status:	PRIMEQUEST 2800B MCF3AC111			
tem User Administration stem >SB >SB#0	Network Configuration Mainten				Log
vstem Status					
ystem Event Log	SB#0			Refre	esh (
Operation Log	P1.8V PCIEX#1	- V	1.67/ 1.93 V	1.17/ 2.17 V	
System Information	P12V#0	- V	11.15/12.87 V	7.79/14.45 V	
Firmware Information	P5V	- V	4.65/ 5.38 V	3.25/ 6.02 V	
System Setup Power Control	P3.3V	- V	3.06/ 3.54 V	2.14/ 3.98 V	
Schedule	P1.35V CPU#0	- V	1.25/ 1.45 V	0.87/ 1.63 V	
Console Redirection Setup	P1.35V CPU#1	- V	1.25/ 1.45 V	0.87/ 1.63 V	
ASR Control	VCC CPU#0	- V	0.55/ 1.45 V	0.38/ 1.63 V	
Console Redirection	VSA CPU#0	- V	0.65/ 1.29 V	0.45/ 1.45 V	
Mode	VTT CPU#0	- V	0.92/ 1.08 V	0.64/ 1.21 V	
LEDs	VDDQ_DIMM#0A	- V	1.25/ 1.61 V	0.87/ 1.81 V	
Power Supply	VDDQ_DIMM#0B	- V	1.25/ 1.61 V	0.87/ 1.81 V	
Fans	P1.0V_JC#0B	- V	0.92/ 1.08 V	0.64/ 1.21 V	
Temperature	P1.5V_JC#0AB	- V	1.39/ 1.61 V	0.97/ 1.81 V	
SB SB#0	P1.35V_JC#0AB	- V	1.25/ 1.45 V	0.87/ 1.63 V	
□ SB#0 □ SB#1	VCC_CPU#1	- V	0.55/ 1.45 V	0.38/ 1.63 V	
SB#2	VSA_CPU#1	- V	0.65/ 1.29 V	0.45/ 1.45 V	
□ SB#2	VTT_CPU#1	- V	0.92/ 1.08 V	0.64/ 1.21 V	
IOU	VDDQ_DIMM#1B	- V	1.25/ 1.61 V	0.87/ 1.81 V	
DU	P1.0V_JC#1A	- V	0.92/ 1.08 V	0.64/ 1.21 V	
OPL	P1.0V_JC#1B	- V	0.92/ 1.08 V	0.64/ 1.21 V	
		FIGURE 1.147 [SI	Status Clear B#x] Window (5)		
MMB	Model: Part Number:	FIGURE 1.147 [SI PRIMEQUEST 2800B MCF3AC111		_	
	Model:	PRIMEQUEST 2800B		_	
MMB FUSTSU	Model: Part Number: Serial Number:	PRIMEQUEST 2800B MCF3AC111			Logo
MMB FUITSU System VSB >SB#0	Model: Part Number: Serial Number: Status:	PRIMEQUEST 2800B MCF3AC111			Logo
MMB FUITSU system Vser Administration System Status	Model: Part Number: Serial Number: Status: <u>Network Configuration Maintena</u>	PRIMEQUEST 2800B MCF3AC111			
MMB	Model: Part Number: Serial Number: Status:	PRIMEQUEST 2800B MCF3AC111		Refres	
MMB FUITSU System VSB >SB#0 System Status System Event Log Operation Log	Model: Part Number: Serial Number: Status: Network Configuration Maintena SB#0	PRIMEQUEST 2800B MCF3AC111 Mornini ance	B#x] Window (5)		
MMB User Administration System >SB >SB#0 System Status System Log Operation Log System Information Firmware Information	Model: Part Number: Serial Number: Status: Network Configuration Mainten: SB#0	PRIMEQUEST 2800B MCF3AC111 Normal ance	3#x] Window (5)	V.+J/ 1.+J V	
MMB WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND	Model: Part Number: Serial Number: Status: Network Configuration Maintena SB#0 VIT_CPU#1 VDDQ_DIMM#1B P1.0V_JC#1A	PRIMEQUEST 2800B MICF3AC111 Normal ance	B#x] Window (5)	0.45/ 1.45 V 0.64/ 1.21 V	
MMB UNITY Stem Viser Administration ystem >SB >SB#0 System Status System Information Firmware Information Firmware Information Firmware Information System Stup Power Control	Model: Part Number: Serial Number: Status: Network Configuration Maintena SB#0 V3A_CFU#1 VTT_CPU#1 VDDQ_DIMM#1B P1.0V_JC#1A P1.0V_JC#1B	PRIMEQUEST 2800B MICF3AC111 Normal ance - V - V - V - V - V - V - V	B#x] Window (5)	0.64/ 1.21 V 0.64/ 1.21 V 0.87/ 1.81 V 0.64/ 1.21 V 0.64/ 1.21 V	
MMB Second Status System Status System Event Log Operation Log System Information Firmware Information Firmware Information System Setup Power Control Schedule	Model: Part Number: Serial Number: Status: Network Configuration Maintens SB#0 V3A_CPU#1 VTT_CPU#1 VDDQ_DIMM#1B P1.0V_JC#1A P1.0V_JC#1A P1.5V_JC#1AB	PRIMEQUEST 2800B MICF3AC111 Normal ance	B#x] Window (5)	0.64/ 1.21 V 0.87/ 1.81 V 0.64/ 1.21 V	
MMB Second Status System Status System Log Operation Log System Information Firmware Information Firmware Information System Setup Power Control Schedule Console Redirection Setup	Model: Part Number: Status: Status: Status: SB#0 VOR_COMPUTED VTT_CPU#1 VDDQ_DIMM#1B P1.0V_JC#1A P1.0V_JC#1A P1.5V_JC#1AB P1.35V_JC#1AB	PRIMEQUEST 2800B MCF3AC111 Normal ance - V - V - V - V - V - V - V - V - V - V	B#x] Window (5) 0.92/1.08 V 1.25/1.61 V 0.92/1.08 V 1.25/1.61 V 0.92/1.08 V 1.39/1.61 V 1.25/1.45 V	0.64/ 1.21 V 0.64/ 1.21 V 0.87/ 1.81 V 0.64/ 1.21 V 0.64/ 1.21 V 0.64/ 1.21 V 0.97/ 1.81 V 0.87/ 1.63 V	
MMB MMB MMB MINE SUB SUB SUB SUB SUB SUB SUB SUB	Model: Part Number: Serial Number: Status: Network Configuration Maintens SB#0 VSA_CPU#1 VTT_CPU#1 VDDQ_DIMM#1B P1.0V_JC#1A P1.0V_JC#1AB P1.3V_JC#1AB P1.3V_JC#1AB P1.3V_JC#1AB VDDQ_DIMM#0C	PRIMEQUEST 2800B MCF3AC111 Normal ance - V - V - V - V - V - V - V - V - V - V	B#x] Window (5) 0.92/1.08 V 1.25/1.61 V 0.92/1.08 V 0.92/1.08 V 1.39/1.61 V 1.25/1.45 V 1.25/1.61 V	0.64/ 1.21 V 0.64/ 1.21 V 0.87/ 1.81 V 0.64/ 1.21 V 0.64/ 1.21 V 0.64/ 1.21 V 0.97/ 1.81 V 0.87/ 1.63 V 0.87/ 1.81 V	
MMB User Administration bystem >SB >SB#0 System Status System Log Operation Log System Information Firmware Information Firmware Information System Setup Power Control Schedule Console Redirection Setup Console Redirection	Model: Part Number: Serial Number: Status: Network Configuration Maintens SB#0 VIT_CPU#1 VDDQ_DIMM#1B P1.0V_IC#1A P1.0V_IC#1AB P1.5V_IC#1AB P1.5V_IC#1AB P1.3SV_IC#1AB VDDQ_DIMM#0C VDDQ_DIMM#0D	PRIMEQUEST 2800B MICF3AC111 Normal ance	B#x] Window (5) 0.05/ 1.25 V 0.92/ 1.08 V 1.25/ 1.61 V 0.92/ 1.08 V 1.39/ 1.61 V 1.25/ 1.45 V 1.25/ 1.61 V 1.25/ 1.61 V	0.64/ 1.21 V 0.64/ 1.21 V 0.87/ 1.81 V 0.64/ 1.21 V 0.64/ 1.21 V 0.64/ 1.21 V 0.97/ 1.81 V 0.87/ 1.63 V 0.87/ 1.81 V 0.87/ 1.81 V	
MMB User Administration System Status System Status System Event Log Operation Log System Information System Information System Gruntol System Control Schedule Console Redirection Setup ASR Control Console Redirection Mode	Model: Part Number: Serial Number: Status: Network Configuration Maintens SB#0 VIT_CPU#1 VDDQ_DIMM#1B P1.0V_JC#1A P1.0V_JC#1AB P1.3V_JC#1AB P1.3V_JC#1AB P1.3V_JC#1AB VDDQ_DIMM#0C VDDQ_DIMM#0D P1.0V_JC#0C	PRIMEQUEST 2800B MCF3AC111 Normal ance	3#x] Window (5) 0.05/1.25 v 0.92/1.08 V 1.25/1.61 V 0.92/1.08 V 1.39/1.61 V 1.25/1.61 V 1.25/1.61 V 1.25/1.61 V 1.25/1.61 V 0.92/1.08 V	0.64/ 1.21 V 0.64/ 1.21 V 0.64/ 1.21 V 0.64/ 1.21 V 0.64/ 1.21 V 0.64/ 1.21 V 0.97/ 1.81 V 0.87/ 1.63 V 0.87/ 1.81 V 0.87/ 1.81 V 0.64/ 1.21 V	
MMB UNIT OF CONTROL REGISTERIES OF CONT	Model: Part Number: Serial Number: Status: Network Configuration Mainten: SB#0 VIT_CPU#1 VDDQ_DIMM#1B P1.0V_JC#1A P1.0V_JC#1A P1.0V_JC#1AB P1.3V_JC#1AB P1.3V_JC#1AB P1.3V_JC#1AB P1.3V_JC#1AB P1.0V_JC#0C P1.0V_JC#0D	PRIMEQUEST 2800B MICF3AC111 Normal ance	3#x] Window (5) 0.05/1.25 v 0.92/1.08 V 1.25/1.61 V 0.92/1.08 V 1.39/1.61 V 1.25/1.45 V 1.25/1.61 V 1.25/1.61 V 1.25/1.61 V 0.92/1.08 V 0.92/1.08 V	0.64/ 1.21 V 0.64/ 1.21 V 0.64/ 1.21 V 0.64/ 1.21 V 0.64/ 1.21 V 0.64/ 1.21 V 0.97/ 1.81 V 0.87/ 1.63 V 0.87/ 1.63 V 0.87/ 1.81 V 0.87/ 1.81 V 0.64/ 1.21 V 0.64/ 1.21 V	
MMB General Sectors of the sector of the se	Model: Part Number: Serial Number: Status: Network Configuration Maintens SB#0 VJA_CFU#1 VTT_CPU#1 VDDQ_DIMM#1B P1.0V_JC#1A P1.0V_JC#1A P1.0V_JC#1AB P1.35V_JC#1AB P1.35V_JC#1AB P1.35V_JC#1AB P1.35V_JC#1AB P1.0V_JC#0C P1.0V_JC#0C P1.5V_JC#0CD	PRIMEQUEST 2800B MICF3AC111 Normal ance - V - V - V - V - V - V - V - V - V - V	B#x] Window (5) 0.05/ 1.27 v 0.92/ 1.08 V 1.25/ 1.61 V 0.92/ 1.08 V 1.25/ 1.61 V 1.25/ 1.61 V 1.25/ 1.61 V 1.25/ 1.61 V 1.25/ 1.61 V 0.92/ 1.08 V	0.64/1.21 V 0.64/1.21 V 0.64/1.21 V 0.64/1.21 V 0.64/1.21 V 0.97/1.81 V 0.87/1.63 V 0.87/1.63 V 0.87/1.81 V 0.87/1.81 V 0.64/1.21 V 0.64/1.21 V 0.64/1.21 V	
MMB WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND WIND	Model: Part Number: Serial Number: Status: Network Configuration Mainten: VTT_CPU#1 VDDQ_DIMM#1B P1.0V_JC#1A P1.0V_JC#1A P1.0V_JC#1AB P1.35V_JC#1AB P1.35V_JC#1AB P1.0V_JC#0C P1.0V_JC#0C P1.0V_JC#0C P1.0V_JC#0CD P1.5V_JC#0CD P1.35V_JC#0CD	PRIMEQUEST 2800B MICF3AC111 Normal ance - V - V - V - V - V - V - V - V - V - V	B#x] Window (5) 0.05/ 1.25 v 0.92/ 1.08 V 1.25/ 1.61 V 0.92/ 1.08 V 1.25/ 1.61 V 1.25/ 1.61 V 1.25/ 1.61 V 1.25/ 1.61 V 1.25/ 1.61 V 0.92/ 1.08 V 0.92/ 1.08 V 1.25/ 1.61 V	0.49/1.49 V 0.64/1.21 V 0.87/1.81 V 0.64/1.21 V 0.64/1.21 V 0.97/1.81 V 0.87/1.63 V 0.87/1.81 V 0.87/1.81 V 0.64/1.21 V 0.64/1.21 V 0.64/1.21 V 0.64/1.21 V 0.64/1.21 V	
MMB User Administration ystem SB >SB#0 System Status System Status System Information System Information System Information System Setup Power Control Schedule Console Redirection Setup ASR Control Console Redirection Mode LEDs Power Supply Fans Temperature SB	Model: Part Number: Serial Number: Status: Status: Network Configuration Maintens VIT_CPU#1 VDDQ_DIMM#1B P1.0V_JC#1A P1.0V_JC#1A P1.0V_JC#1AB P1.5V_JC#1AB P1.5V_JC#1AB VDDQ_DIMM#0D P1.0V_JC#0D P1.5V_JC#0CD P1.3SV_JC#0CD P1.3SV_JC#0CD P1.3SV_JC#0CD P1.3SV_JC#0CD	PRIMEQUEST 2800B MICF3AC111 Normal ance - V - V - V - V - V - V - V - V - V - V	B#x] Window (5) 0.05/ 1.25 V 0.92/ 1.08 V 1.25/ 1.61 V 0.92/ 1.08 V 1.25/ 1.61 V 1.25/ 1.61 V 1.25/ 1.61 V 1.25/ 1.61 V 0.92/ 1.08 V 1.25/ 1.61 V 0.92/ 1.08 V 1.25/ 1.61 V 0.92/ 1.08 V 1.25/ 1.61 V 1.25/ 1.61 V 1.25/ 1.61 V	0.64/1.21 V 0.64/1.21 V 0.64/1.21 V 0.64/1.21 V 0.64/1.21 V 0.64/1.21 V 0.87/1.81 V 0.87/1.81 V 0.87/1.81 V 0.64/1.21 V 0.64/1.21 V 0.64/1.21 V 0.64/1.21 V 0.64/1.21 V 0.64/1.21 V 0.64/1.21 V 0.64/1.21 V	
MMB USE SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES SUSCESSES S	Model: Part Number: Serial Number: Status: Network Configuration Maintena VDR_CPU#1 VDDQ_DIMM#1B P1.0V_JC#1A P1.0V_JC#1A P1.0V_JC#1AB P1.5V_JC#1AB VDDQ_DIMM#0D P1.0V_JC#0D P1.0V_JC#0D P1.5V_JC#0CD P1.35V_JC#0CD P1.35V_JC#0CD P1.35V_JC#0CD P1.35V_JC#0CD P1.35V_JC#0CD	PRIMEQUEST 2800B MICF3AC111 Normal since - V - V - V - V - V - V - V - V - V - V	B#x] Window (5) 0.02/1.08 V 1.25/1.61 V 0.92/1.08 V 1.25/1.61 V	0.49/149 V 0.64/1.21 V 0.87/1.81 V 0.64/1.21 V 0.64/1.21 V 0.97/1.81 V 0.87/1.81 V 0.87/1.81 V 0.87/1.81 V 0.87/1.81 V 0.64/1.21 V 0.64/1.21 V 0.64/1.21 V 0.64/1.21 V 0.64/1.21 V 0.87/1.81 V	
MMB WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WINE WIN	Model: Part Number: Serial Number: Status: Network Configuration Maintens VTT_CPU#1 VDDQ_DIMM#1B P1.0V_JC#1A P1.0V_JC#1AB P1.5V_JC#1AB P1.3V_JC#1AB P1.3V_JC#1AB P1.3V_JC#1AB P1.3V_JC#1AB P1.3V_JC#1C P1.0V_JC#0C P1.0V_JC#0CD P1.5V_JC#0CD P1.5V_JC#0CD VDDQ_DIMM#1C VDDQ_DIMM#1D P1.0V_JC#1C	PRIMEQUEST 2800B MICF3AC111 Normal since - V - V - V - V - V - V - V - V - V - V	B#x] Window (5) 0.02/1.25 V 0.92/1.08 V 1.25/1.61 V 0.92/1.08 V 0.92/1.08 V 1.39/1.61 V 1.25/1.61 V 1.25/1.61 V 1.25/1.61 V 1.25/1.61 V 1.25/1.61 V 1.25/1.61 V 1.25/1.61 V 1.25/1.61 V	0.49/1.49 v 0.64/1.21 V 0.87/1.81 V 0.64/1.21 V 0.64/1.21 V 0.87/1.81 V 0.87/1.81 V 0.87/1.81 V 0.87/1.81 V 0.64/1.21 V 0.87/1.81 V 0.64/1.21 V 0.64/1.21 V 0.64/1.21 V 0.64/1.21 V 0.87/1.81 V	
MMB Second Second Seco	Model: Part Number: Serial Number: Status: Network Configuration Maintens Network Configuration Maintens Network Configuration Maintens Network Configuration Maintens NTT_CPU#1 VDDQ_DIMM#1B P1.0V_JC#1AB P1.0V_JC#1AB P1.0V_JC#1AB P1.0V_JC#1AB VDDQ_DIMM#0D P1.0V_JC#0C P1.0V_JC#0CD VDDQ_DIMM#1D P1.0V_JC#1C VDDQ_DIMM#1D P1.0V_JC#1D	PRIMEQUEST 2800B MICF3AC111 Normal ance	B#x] Window (5) 0.02/1.25 V 0.92/1.08 V 1.25/1.61 V 0.92/1.08 V 1.39/1.61 V 1.25/1.45 V 1.25/1.61 V 0.92/1.08 V 0.92/1.08 V 0.92/1.08 V	0.57/1.57 V 0.64/1.21 V 0.87/1.81 V 0.64/1.21 V 0.64/1.21 V 0.97/1.81 V 0.87/1.63 V 0.87/1.81 V 0.87/1.81 V 0.64/1.21 V 0.64/1.21 V 0.97/1.81 V 0.87/1.63 V 0.87/1.81 V	
MMB MMB MMB MMB MMB MMB MMB MMB	Model: Part Number: Serial Number: Status: Network Configuration Maintens SB#0 VOA_CCUT VTT_CPU#1 VDDQ_DIMM#1B P1.0V_IC#1A P1.0V_IC#1A P1.0V_IC#1AB P1.5V_JC#1AB P1.5V_JC#1AB P1.5V_JC#1AB P1.5V_JC#0CD P1.0V_JC#0C P1.0V_JC#0C P1.0V_JC#0C P1.0V_JC#0C P1.0V_JC#0C P1.0V_JC#1C VDDQ_DIMM#1D P1.0V_JC#1C P1.0V_JC#1C P1.5V_JC#1CD	PRIMEQUEST 2800B MICF3AC111 Normal ance	3#x] Window (5) 0.05/1.25 v 0.92/1.08 V 1.25/1.61 V 0.92/1.08 V 1.25/1.61 V 1.25/1.61 V 1.25/1.61 V 1.25/1.61 V 1.25/1.61 V 1.25/1.61 V 1.25/1.61 V 1.25/1.61 V 1.25/1.61 V 0.92/1.08 V 0.92/1.08 V 0.92/1.08 V 0.92/1.08 V 0.92/1.08 V 1.39/1.61 V 1.25/1.61 V 0.92/1.08 V 1.39/1.61 V	0.64/ 1.21 V 0.64/ 1.21 V 0.64/ 1.21 V 0.64/ 1.21 V 0.64/ 1.21 V 0.64/ 1.21 V 0.97/ 1.81 V 0.87/ 1.63 V 0.87/ 1.81 V 0.87/ 1.81 V 0.64/ 1.21 V 0.64/ 1.21 V 0.87/ 1.81 V	
MMB MMB MMB MMB MMB MMB MMB MMB	Model: Part Number: Serial Number: Status: Network Configuration Maintens Network Configuration Maintens Network Configuration Maintens Network Configuration Maintens NTT_CPU#1 VDDQ_DIMM#1B P1.0V_JC#1AB P1.0V_JC#1AB P1.0V_JC#1AB P1.0V_JC#1AB VDDQ_DIMM#0D P1.0V_JC#0C P1.0V_JC#0CD VDDQ_DIMM#1D P1.0V_JC#1C VDDQ_DIMM#1D P1.0V_JC#1D	PRIMEQUEST 2800B MICF3AC111 Normal ance	B#x] Window (5) 0.02/1.25 V 0.92/1.08 V 1.25/1.61 V 0.92/1.08 V 1.39/1.61 V 1.25/1.45 V 1.25/1.61 V 0.92/1.08 V 0.92/1.08 V 0.92/1.08 V	0.57/1.57 V 0.64/1.21 V 0.87/1.81 V 0.64/1.21 V 0.64/1.21 V 0.97/1.81 V 0.87/1.63 V 0.87/1.81 V 0.87/1.81 V 0.64/1.21 V 0.64/1.21 V 0.97/1.81 V 0.87/1.63 V 0.87/1.81 V	
MMB MMB MMB MMB MMB MMB MMB MMB	Model: Part Number: Serial Number: Status: Network Configuration Maintens SB#0 VOA_CCUT VTT_CPU#1 VDDQ_DIMM#1B P1.0V_IC#1A P1.0V_IC#1A P1.0V_IC#1AB P1.5V_JC#1AB P1.5V_JC#1AB P1.5V_JC#1AB P1.5V_JC#0CD P1.0V_JC#0C P1.0V_JC#0C P1.0V_JC#0C P1.0V_JC#0C P1.0V_JC#0C P1.0V_JC#1C VDDQ_DIMM#1D P1.0V_JC#1C P1.0V_JC#1C P1.5V_JC#1CD	PRIMEQUEST 2800B MICF3AC111 Normal ance	3#x] Window (5) 0.05/1.25 v 0.92/1.08 V 1.25/1.61 V 0.92/1.08 V 1.25/1.61 V 1.25/1.61 V 1.25/1.61 V 1.25/1.61 V 1.25/1.61 V 1.25/1.61 V 1.25/1.61 V 1.25/1.61 V 1.25/1.61 V 0.92/1.08 V 0.92/1.08 V 0.92/1.08 V 0.92/1.08 V 0.92/1.08 V 1.39/1.61 V 1.25/1.61 V 0.92/1.08 V 1.39/1.61 V	0.64/ 1.21 V 0.64/ 1.21 V 0.64/ 1.21 V 0.64/ 1.21 V 0.64/ 1.21 V 0.64/ 1.21 V 0.97/ 1.81 V 0.87/ 1.63 V 0.87/ 1.81 V 0.87/ 1.81 V 0.64/ 1.21 V 0.64/ 1.21 V 0.87/ 1.81 V	

FIGURE 1.146 [SB#x] Window (4)

The CPU and DIMM row that is not mounted is displayed in gray background.

The [Status clear] button and a message [Click the Status Clear Button to clear the status.] are not displayed for a user who does not have setting privileges.

Items		Description		
Board Information		Description		
Status	Displays the statu	s of SB		
Claud	• OK: No fault			
		The SB is not mounted.		
		arning is detected by the voltage sensor on the SB.		
		rror has occurred in a component on the SB. However, the SB can be		
		disconnecting the faulty components.		
		It has occurred in the SB, and the SB must be disconnected, or the		
		disconnected.		
		: In case there is an SB which is not supported by the MMB.		
Power Status	Displays the power status of the SB.			
	· On: On status			
	 Standby: Sta 	ndby status		
Part Number	Displays the part r	number of the SB		
Serial Number	Displays the seria	I number of the SB		
Location LED		ay status of the Location LED.		
		consists of the following conditions.		
	 On: The light 			
	 Off: The light 	is off		
		ng of the Location LED can be controlled by clicking the respective		
CPUs	[On], [Off], [Blink]	buttons.		
CPU#0	Status	Displays the status of the CPU.		
CPU#1	Status	· OK		
		· Not-present		
		· Disabled		
		· Warning		
		· Failed		
		Configuration error		
		· Unknown		
	Core/Max Core	Displays Normal number of cores number/ maximum number of		
		cores number.		
		 Indicates the degeneracy status of the core. 		
		Maximum number of cores also includes the number of Disable		
		cores.		
	Model	Displays the product name of the CPU.		
	Stepping	Displays the version number of the CPU.		
	Part Number	Displays the part number of the CPU.		
	Serial Number	Displays the serial number of the CPU.		
DIMMs				
DIMM#0A0	Status	Displays the status of the DIMM.		
~ DIMM#1D5		· OK		
DIIVIIVI#1D5		• Not-present		
		• Warning		
		Uncorrectable error		
		Disabled Configuration error		
		Configuration error		
		Degraded Configuration		
	Size	Unknown Displays the size of the DIMM		
	5120	Displays the size of the DIMM. • 8GB		
		· 16GB		
		· 32GB		
		· 64GB		
		 128GB (For PRIMQUEST PRIMQUEST 2800B3) 		
		There is no display when the DIMM status is Not-present, Not-		
		supported, or Unknown.		
L	1			

TABLE 1.175 Display and Setting items on [SB#x] Window

Items		Description
	Rank	Displays number of DIMM Ranks(1 or 2 or 4).
		There is no display when the DIMM status is Not-present, Not-
		supported, or Unknown.
	Data Rate	Displays Data Rate of DIMM.
		DDR3-1066, 1333, 1600 (For PRIMQUEST PRIMQUEST 2800B)
		DDR4-1333, 1600, 1866 (For PRIMQUEST PRIMQUEST 2800B3/2800B2)
		There is no display when the DIMM status is Not-present, Not- supported, or Unknown.
	Part Number	Displays the part number of DIMM.
		There is no display when the DIMM status is Not-present, Not- supported, or Unknown.
	Serial Number	Displays the serial number of DIMM.
		There is no display when the DIMM status is Not-present, Not- supported, or Unknown.
Mezzanine		
Mezzanine#0	Status	Displays the status of the Mezzanine board.
Mezzanine#1		· OK
		Not-present
		· Failed
Chipsets		
Chipset	· OK	
	Warning	
	 Failed 	
TPM		
TPM	Displays the statu	us of the TPM.
	· OK	
	Warning	
	· Failed	
	Notes	
	When the SB is 'v	without TPM mode', this field is not displayed.
BMC		· ·
BMC	Displays the statu	us of the BMC.
	· OK	
	Warning	
	· Failed	
Clock		
Clock	Displays the statu	us of the System Clock.
	· OK	·
	· Failed	

Items	Description
Sensor (For PRIMEQUEST 2800B)	Displays the Voltage sensor type.
	P5VL
	P1.1VL
	P1.8VL
	P1.5VL
	P1.0VL
	P1.8V_CPU
	VDDQ_DIMM#1A
	P1.0V_JC#0A
	P1.5V_PCH
	P1.1V P0.9V_PCIEX#0
	P1.8V_PCIEX#0
	P0.9V_PCIEX#1
	P1.8V_PCIEX#1
	P12V#0
	P5V
	P3.3V
	P1.35V_CPU#0
	P1.35V_CPU#1
	VCC_CPU#0
	VSA_CPU#0
	VTT_CPU#0
	VDDQ_DIMM#0A
	VDDQ_DIMM#0B
	P1.0V_JC#0B
	P1.5V_JC#0AB
	P1.35V_JC#0AB
	VCC_CPU#1 VSA_CPU#1
	VTT_CPU#1
	VDDQ_DIMM#1B
	P1.0V_JC#1A
	P1.0V_JC#1B
	P1.5V_JC#1AB
	P1.35V_JC#1AB
	VDDQ_DIMM#0C
	VDDQ_DIMM#0D
	P1.0V_JC#0C
	P1.0V_JC#0D
	P1.5V_JC#0CD
	P1.35V_JC#0CD
	VDDQ_DIMM#1D
	VDDQ_DIMM#1D
	P1.0V_JC#1C P1.0V_JC#1D
	P1.5V_JC#1D P1.5V_JC#1CD
	P1.35V_JC#1CD P1.35V_JC#1CD

Items	Description
Sensor (For PRIMEQUEST	P5VL
2800B3/2800B2)	P1.1VL
	P1.8VL
	P1.5VL
	P1.0VL
	VDDQ_DIMM#1A
	P1.05V_JC#0AB
	P1.5V_PCH
	P1.1V
	P0.9V_PCIEX#0
	P1.8V_PCIEX#0
	_
	P0.9V_PCIEX#1 P1.8V_PCIEX#1
	P12V#0
	P5V
	P3.3V P1.25// CPU#0
	P1.35V_CPU#0 P1.35V_CPU#1
	VDDQ_DIMM#0A VDDQ_DIMM#0B
	P1.5V_JC#0AB
	P1.35V_JC#0AB
	VCC_CPU#1
	VTT_CPU#1
	VDDQ_DIMM#1B
	P1.05V_JC#1AB
	P1.5V_JC#1AB
	P1.35V_JC#1AB
	VDDQ_DIMM#0C
	VDDQ_DIMM#0D
	P1.05V_JC#0CD
	P1.5V_JC#0CD
	P1.35V_JC#0CD
	VDDQ_DIMM#1C
	VDDQ_DIMM#10
	P1.05V_JC#1CD
	P1.05V_JC#1CD P1.5V_JC#1CD
	P1.35V_JC#1CD P1.35V_JC#1CD
	P2.5V DIMM#0AB
	P2.5V_DIMM#0AB P2.5V_DIMM#1AB
	P2.5V_DIMM#1AB P2.5V_DIMM#0CD
	P2.5V_DIMM#0CD P2.5V_DIMM#1CD
	P12V#1
	P12V#1 P12V#2
	P12V#2 P12V#3
	P12V#3
	P12V#4 P12V#0F
Voltage	Displays the current power voltage.
Threshold Warning(Low/Hig	
	The warming to the warming tevel voltage.
	Displays " – ", when the threshold is not set.
	Displays —, when the theshold is not set. Displays the power voltage in the last two decimal places.
Critical(Low/High	
Chical(LOW/High	
	Displays " – ", when the threshold is not set.
	Displays the power voltage in the last two decimal places.

Buttons	Description
Status Clear	Clears the status of the SB.

1.7.16 [IOU] Menu

The IOU menu includes the following menus for each IOU.

• [IOU#0] ~ [IOU#3]

The menu is not displayed for the IOU which is not installed. Since the window and the operating method are same for each menu, only one menu is described here.

[IOU#x] Window

[IOU#x] window displays the status of the IOU installed in IOU#x slot. In addition, IOU can be set.

		FIGURE 1	148 [IOU#x] W	indow (1)	
FUj๊ITSU	Model: Part Number: Serial Number: Status:	PRIMEQUI MCF3AC11 Normal			_
System User Administration >System >IOU >IOU#0	Network Configuration	<u>Maintenance</u>			Logout
 System Status System Event Log Operation Log System Information 	IOU#0	9 . L. L. J. J. L. L.			Refresh Help
Firmware Information		lear button to clear the stati	us.		
 System Setup Power Control 	Board Inform Type	IOU 1GbE			
Schedule	Status	OK			
Console Redirection Setup	Power Status	and the second			
ASR Control	Part Number		013 A3		
Console Redirection	Serial Numbe	r PP135200M	н		
Mode	Location LEI	Off On Off			
 LEDs Power Supply Fans 	On board LA	N			
Temperature	LAN#	MAC Address			
■ SB	0	Unknown			
🗉 IOU	1	Unknown			
 IOU#0 IOU#1 	DU connectio	n			
□ IOU#2	PCIC#		Status	Connector	
IOU#3	0		Not-connected		
∎ DU ■ OPL	PCI-Express	Slots		~	~
			Status Clear		
<	5			_	

FUITSU	Model: Part Number: Serial Number: Status:	MC Nor	MEQUEST 2800F F3AC111 mal				
ystem >IOU >IOU#0	Network Conliguration	Wannenance					Log
System Status							
System Event Log	IOU#0						Refresh
Operation Log		8.5.V.					
System Information	PCI-Express						
irmware Information	PCIC#	Power Status	Slot Status	Link Widt		Vendor ID	Device ID
ystem Setup	0	Standby	OK	Unknown		22	-
ower Control	1	Standby	OK	Unknown	Unknown		-
chedule	2	Standby	Not-present				
Console Redirection Setup	3	Standby	Not-present				
ASR Control	D OF OWN						
Console Redirection	PCIeSW						
Mode	PCIeSW	Status					
LEDs	PCIeSW#0	OK					
Power Supply	PCIeSW#1	OK					
Fans							
Temperature	Voltage						
Femperature SB	Voltage Sensor		Voltage		Threshold		
Femperature SB IOU	Sensor		Voltage		Warning(Low/High)	Critical(Lo	
Temperature SB IOU I IOU#0	Sensor P1.8VL		1.81 V		Warning(Low/High) 1.67/ 1.93 V	1.16/ 2.17	V
Femperature SB IOU FOU#0 FOU#1	Sensor				Warning(Low/High)	a station of the state	V
Femperature SB OU IOU#0 IOU#1 IOU#2	Sensor P1.8VL		1.81 V		Warning(Low/High) 1.67/ 1.93 V	1.16/ 2.17	V V
Temperature SB OU IOU#0 IOU#1 IOU#2 IOU#3	Sensor P1.8VL P1.0VL	X#0	1.81 V 0.99 V		Warning(Low/High) 1.67/ 1.93 V 0.92/ 1.08 V	1.16/ 2.17 0.65/ 1.20	V V V
Fans Temperature SB OU IOU#0 IOU#1 IOU#1 IOU#2 IOU#3 DU OPL	Sensor P1.8VL P1.0VL P3.3V		1.81 V 0.99 V - V		Warning(Low/High) 1.67/ 1.93 V 0.92/ 1.08 V 3.06/ 3.54 V	1.16/ 2.17 0.65/ 1.20 2.14/ 3.98	V V V V V

FIGURE 1.149 [IOU#x] Window (2)

FIGURE 1.150 [IOU#x] Window (3)

FUĴÎTSU	Model: – Part Number: Serial Number: Status:	MC	MEQUEST 2800B F3AC111 mal				
stem User Administration vstem >IOU >IOU#0	Network Configuration	Maintenance					Loj
System Status							
System Event Log	IOU#0						Refresh
Operation Log	ICC//C	Power Status	I SIOT STATUS	LINK WICTO	Seg/Bus/Dev	vendor 1D	
System Information	0	Standby	OK	Unknown	Unknown	-	-
irmware Information	1	Standby	OK	Unknown	Unknown	5	-
system Setup	2	Standby	Not-present				
ower Control	3	Standby	Not-present				
chedule							
Console Redirection Setup	I CIES II	P					
ASR Control Console Redirection	PCIeSW	Status					
Jonsole Redirection	PCIeSW#0	OK					
EDs	PCIeSW#1	OK					
Power Supply	Voltage						
ans				Thr	eshold		
lemperature	Sensor		Voltage	Wa	rning(Low/High)	Critical(Lo	w/High)
B	P1.8VL		1.81 V	10000	57/ 1.93 V	1.16/2.1	
OU	P1.0VL		0.99 V	0.9	92/ 1.08 V	0.65/ 1.20	0 V
IOU#0	P3.3V		- V	3.0	06/ 3.54 V	2.14/ 3.98	8 V
IOU#1	P1.8V PCIE	X#0	- V	1.6	57/ 1.93 V	1.16/ 2.1	7 V
IOU#2 IOU#3	P1.8V PCIE	VPH I PARS	- V	1.6	57/ 1.93 V	1.16/ 2.17	7 V
0U	P0.9V PCIE		- V	100	33/ 0.97 V	0.58/ 1.09	
OPL	P0.9V_PCIE		- V	0.8	33/ 0.97 V	0.58/ 1.09	9 V
						1	

Items	Description
Board Information	
Туре	Displays types of IOUs.
	· IOU_10GbE
	· IOU_1GbE
Status	Displays status of the IOU
	• ОК
	Not-present
	• Warning
	Degraded
	Failed
Power Status	Displays the power status of the IOU.
	• On
	Standby
Part Number	Displays the part number of the IOU.
Serial Number	Displays the serial number of the IOU.
Location LED	Shows the display status of the Location LED.
	Following are the display status.
	On: During ON
	Off: During OFF Or/Off of the Leasting LED can be controlled by clicking [Op]. [Off] bytten
	On/Off of the Location LED can be controlled by clicking [On], [Off] button.
On board LAN LAN	Displays the LAN number.
MAC Address	Displays the MAC Address for GbE that is being installed on the IOU.
	Displays "Unknown" when MAC Address is not clear.
DU connection	
PCIC#	Displays PCIC# for DU connection on the IOU.
Status	Displays the status of connection with the DU.
	• ОК
	Not-connected
	Incorrect connection
Connector	Displays the destination Connector number of the DU.
	When not connected, background color is displayed in gray.
PCI-Express Slots	
PCIC#	Displays the number of the PCI_Express slot.
Power Status	Displays the power status of the IOU.
	· On
	Standby
Slot Status	Displays the status of the PCI_Express slot.
	• OK
	Not-present
	Failed
	Disabled
Link Width	Displays Link Width of PCI_Express slot format.
	• x1 • x2
	• x2 • x4
	• x8
Seg/Bus/Dev	Displays Segment#, Bus#, Device# of PCI Device.
Vendor ID	Displays the Vendor ID of the PCI Card.
	Remarks:
	ID uniquely allocated in manufacturer of card.
	For details of the ID, see the PRIMEQUEST 2000 Series Administration
	Manual(CA92344-0537)

Items		Description			
Device ID	Displays the Device ID of the PCI Card.				
	Remarks:				
		cated in device of manufacturer.			
		ne ID, see the PRIMEQUEST 2000 Series Administration			
	Manual(CA923	44-0537)			
PCIeSW					
PCIeSW		umber of PCIeSW.			
Status	Displays the st	atus of PCIeSW.			
	• OK				
	Warning				
	 Failed 				
PCIeSW#1	Same as PCIe	SW#0			
Voltage					
Voltage	-				
Sensor	Displays the V	oltage sensor type.			
	P1.8VL(*1)				
	P1.0VL(*1)				
	P2.5VL(*2)				
	P1.2VL(*2)				
	P0.8VL(*2)				
	P0.67VL(*2)				
	P3.3V(*3)				
	P1.8V_PCIE	EX#0(*1)			
	P1.8V_PCIE	X#1(*1)			
	P1.8V(*2)				
	P0.9V_PCIE				
	P0.9V_PCIE	P0.9V_PCIEX#1(*3)			
	*1: IOU_1GbE	*2: IOU_10GbE,*3: IOU_1GbE/IOU_10GbE commonness			
Voltage	Displays the cu	Displays the current power voltage.			
Threshold	Warning	Lower and upper limits of the warning-level voltage.			
	(Low/High)	Displays " – ", when the threshold is not set.			
		Displays — , when the threshold is not set. Displays the power voltage in the last two decimal places.			
	Critical	Lower and upper limits of the critical-level voltage.			
	(Low/High)				
		Displays " – ", when the threshold is not set.			
	Displays the power voltage in the last two decimal places.				

Buttons	Description
Status Clear	Clears the error status of IOU#x

1.7.17 [DU] Menu

As for the display, the operation is the same as the PRIMEQUEST 2400E3/2800E3/2400E2/2800E2/2400E/2800E model. Refer to chapter 1.2.15.

1.7.18 [OPL] Window

As for the display, the operation is the same as the PRIMEQUEST 2400E3/2800E3/2400E2/2800E2/2400E/2800E model. Refer to chapter 1.2.16.

1.7.19 [MMB] Window

In [MMB] Window, information related to MMB can be displayed and the Location LEDs can be set.

FUITSU	Model: Part Number: Serial Number: Status: <u>Network Configuration Mair</u>	PRIMEQUEST 28 MCF3AC111 Normal	1 [MMB#x] Wind	ow(1)	Logou
System Status System Event Log Operation Log System Information Firmware Information	MMB Click the Apply Button to	o apply all changes.			He
System Setup	Status		OK		
Power Control	Part Number		CA07603-D053 A3		
Schedule	Serial Number			PP13440495	
Console Redirection Setup		User port	2C:D4:44:F0:8F:78		
ASR Control	MAC Address	Maintenance port	2C:D4:44:F0:16:F2		
Console Redirection	Firmware Version		1.21		
Mode	Location LED		Off On Off		
LEDs Power Supply Fans Temperature	Reset MMB			nnections will be lost. again.	
SB IOU	Voltage				
DU	Sensor	Voltage	Threshold		
OPL			Warning(Low/High)	Critical(Low/High)	
MMB	P3.3VL	3.34 V	3.16/ 3.64 V	2.20/ 4.10 V	
	P1.5VL	1.49 V	1.39/ 1.61 V	0.97/ 1.81 V	
	P1.5VL_CPLD	1.49 V	1.39/ 1.61 V	0.98/ 1.81 V	
	P1.2VL	1.19 V	1.11/ 1.29 V	0.77/ 1.45 V	
			Apply Cancel		

FUĴĨTSU	Model: Part Number: Serial Number: Status: Network Configuration Main	PRIMEQUEST 28 MCF3AC111 Normal	300B	-	
System >MMB	Network Conliguration Main	<u>tenance</u>			Loge
System Status System Event Log	ММВ				Н
Operation Log	Serial Number		PP13440495	1	
System Information Firmware Information	MAC Address	User port	2C:D4:44:F0:8F:78		
Firmware Information System Setup	MAC Address	Maintenance port	2C:D4:44:F0:16:F2		
System Setup Power Control	Firmware Version	0	1.21		
Schedule	Location LED	Location LED			
Console Redirection Setup ASR Control Console Redirection	Reset MMB	Reset MMB		Reset the MMB All existing network connections will be lost. You will need to login again.	
Mode LEDs	Voltage				
Power Supply		17.1	Threshold		
Fans	Sensor	Voltage	Warning(Low/High)	Critical(Low/High)	
Temperature	P3.3VL	3.34 V	3.16/ 3.64 V	2.20/ 4.10 V	
SB	P1.5VL	1.49 V	1.39/ 1.61 V	0.97/ 1.81 V	
IOU	P1.5VL_CPLD	1.49 V	1.39/ 1.61 V	0.98/ 1.81 V	
DU	P1.2VL	1.19 V	1.11/ 1.29 V	0.77/ 1.45 V	
OPL.	P1.0VL	0.99 V	0.92/ 1.08 V	0.64/ 1.21 V	
MMB	P0.75VL	0.74 V	0.69/ 0.81 V	0.48/ 0.91 V	

FIGURE 1.152 [MMB#x] Window(2)

< ----->

Apply Cancel

Items		Description		
Board Info		Description		
		Displays the status of the MMB.		
Olaluo		· OK		
		Not-present		
		• Warning		
		· Degraded		
		· Failed		
Part Num	ber	Displays part number of the MMB.		
Serial Nu	mber	Displays the serial number of the MMB.		
MAC	User port	Displays MAC address of the MMB management port.		
address	-	00:00:00:00:00		
	Maintenanc	Displays MAC address of the MMB port.		
	е	00:00:00:00:00		
	Port			
Firmware	Version	Firmware Version		
Location I	ED	Displays the status of the Location LED.		
		The following are the various display status.		
		On: During power on.		
		Off: During power off		
		On/ Off of the Location LED can be controlled by clicking [On], [Off] buttons.		
Reset MM	1B	Resets the MMB if this check box is checked.		
Voltage		Displays the current power voltage.		
Threshold		Lower and upper limits of the warning-level voltage.		
	(Low/Hig h)			
	""	Displays " – ", when the threshold is not set.		
		Displays the power voltage in the last two decimal places.		
	Critical (Low/Hig	Lower and upper limits of the critical-level voltage.		
	h)	Displays " – ", when the threshold is not set.		
		Displays the power voltage in the last two decimal places.		

TABLE 1.180 [MMB#x] Window button

Buttons	Description	
Apply	Click the [Apply] button to set the specified control information.	
Cancel	Click the [Cancel] button to restore the original information and not set the specified information.	

CHAPTER 2 MMB CLI (Command Line Interface) Operations

This chapter describes the CLI (command line interface) provided by the MMB.

2.1 Basic Operations with the CLI

You can access the CLI in the following two ways:

- Access via the serial port on the MMB
- Access via the management LAN of the MMB from a remote PC

Remarks

Similar to the GUI, the CLI also enables up to 16 users to log in to the CLI concurrently.

2.1.1 Access to the CLI via the serial interface

You can access the CLI of the MMB via the serial interface by using the following procedure.

- 1. Connect your terminal (e.g., laptop PC) to the MMB with an RS-232C crossover cable.
- 2. Start the terminal software (e.g., Windows HyperTerminal) on the terminal. Then, configure the terminal software as follows.

Parameter	Value
Bits/second	19200
Data bits	8
Parity	None
Stop bits	1
Flow control	None
Emulation	VT100

TABLE 2.1 Terminal software setting values

3. The login prompt appears. Enter your user name and password to log in.

2.1.2 Access via the management LAN interface

You can access the CLI of the MMB via the management LAN interface by using the following procedure.

- 1. Connect a remote PC to the MMB with a straight LAN cable.
- Start the telnet or SSH client on the remote PC. Establish a connection between the remote PC and the MMB by specifying the IP address (IPv4 or IPv6) of the MMB and the telnet port number or SSH port number.
- 3. Log in.

Remarks

The MMB provides connection features that work only with the SSH V2 protocol. This means you need to be running SSH V2-compatible terminal software to connect the MMB.

When you access to MMB with SSH, Challenge response authentication is needed.

2.1.3 CLI command list

This section describes the functions of the CLI commands.

- Setting commands
- Display commands
- Update commands _
- Other commands _

The following tables list the account privileges required for individual commands. "Permitted" in an account privilege column indicates the command can be used with those account privileges.

- TABLE 2.2 MMB CLI commands (Administrator)
- TABLE 2.3 MMB CLI commands (Operator)
- TABLE 2.4 MMB CLI commands (Partition Operator)
- TABLE 2.5 MMB CLI commands (User) TABLE 2.6 MMB CLI commands (CE)

TABLE 2.2 MMB CLI commands (Administrator)

Command	Administrator	Outline		
Power control				
power off	Permitted	Turns the power off.		
power on	Permitted	Turns the power on.		
Partition control				
sadump	Permitted	sadump instruction		
reset	Permitted	Hard Reset instruction		
nmi	Permitted	NMI interrupt instruction		
Partition connection				
console	Permitted	Text Console connection to partition		
Partition creation				
add partition	Permitted	Adds a partition component.		
remove partition	Permitted	Removes a partition component.		
show partition configuration	Permitted	Displays the partition configuration.		
show partition status	Permitted	Displays the partition status.		
set partition home	Permitted	Sets the Home SB.		
show partition home	Permitted	Displays the Home SB.		
set partition memory_operation_mode	Permitted	Sets Memory operation mode.		
show partition memory_operation_mode	Permitted	Displays Memory operation mode.		
set partition memory_mirror_ras_mode	Permitted	Sets Memory operation at Mode.		
show partition memory_mirror_ras_mode	Permitted	Displays Memory operation at Mode.		
set partition pci_address_mode	Permitted	Sets PCI bus number allocation mod.		
show partition pci_address_mode	Permitted	Displays PCI bus number allocation mod.		
set partition lan_device_mode	Permitted	Sets LAN device mode.		
show partition lan_device_mode	Permitted	Displays LAN device mode.		
show partition mirror_mode	Permitted	Displays the Mode setting.		
set partition name	Permitted	Sets the partition name.		
show partition name	Permitted	Displays the partition name.		
set partition memory_sparing_mode	Permitted	Sets the memory operation at spare mode.		
show partition memory_sparing_mode	Permitted	Displays the memory operation at spare mode.		
set partition pci_ecrc_mode	Permitted	Sets the ECRC.		
show partition pci_ecrc_mode	Permitted	Displays the ECRC.		

Command	Administrator	Outline
Time-related		
set date	Permitted	Sets the date and time.
show date	Permitted	Displays the date and time.
set timezone	Permitted	Sets the time zone.
show timezone	Permitted	Displays the time zone.
Network-related		
set ip	Permitted	Sets the management LAN address.
set ipv6	Permitted	Sets the IPv6 management LAN address.
show ip	Permitted	Displays the management LAN address.
show ipv6	Permitted	Displays the IPv6 management LAN address.
set hostname	Permitted	Sets the MMB host name.
show hostname	Permitted	Displays the MMB host name.
set gateway	Permitted	Sets the gateway address.
set gateway_ipv6	Permitted	Sets the IPv6 gateway address.
show gateway	Permitted	Displays the gateway address.
show network	Permitted	Displays the management LAN interface.
show gateway_ipv6	Permitted	Displays the IPv6 gateway address.
set http	Permitted	Sets whether to enable http service.
set https	Permitted	Sets whether to enable https service.
set legacy_tls	Permitted	Sets whether to enable TLS1.0/1.1
set ssh	Permitted	Sets whether to enable ssh service.
set telnet	Permitted	Sets whether to enable telnet service.
show http	Permitted	Displays the http service enabling setting.
show https	Permitted	Displays the https service enabling setting.
show legacy_tls	Permitted	Displays the TLS1.0/1.1 enabling setting
show ssh	Permitted	Displays the ssh service enabling setting.
show telnet	Permitted	Displays the telnet service enabling setting.
set http_port	Permitted	Sets the http port number.
set https_port	Permitted	Sets the https port number.
set ssh_port	Permitted	Sets the ssh port number.
set telnet_port	Permitted	Sets the telnet port number.
show http_port	Permitted	Displays the http port number.
show https_port	Permitted	Displays the https port number.
show ssh_port	Permitted	Displays the ssh port number.
show telnet_port	Permitted	Displays the telnet port number.
clear access_control	Permitted	Clears the access control setting.
show access_control	Permitted	Displays the access control setting.
clear ssh_key		Clears the SSH public key.
download ssh_key		Downloads the SSH public key.
ping	Permitted	Pings the target.
show ntpq	Permitted	NTP inquiry (ntpq – p executed)
Account management		
passwd	Permitted	Changes a password.
who	Permitted	Displays the login user.
Firmware update		

Command	Administrator	Outline
update ALL	Permitted	Batch-updates the firmware (new).
MMB configuration and other		
set active_mmb	Permitted	Sets the active MMB.(Active MMB cannot be executed)
show active_mmb	Permitted	Displays the active MMB.
set mmbcontrol reset	Permitted	Resets the MMB
set mmbcontrol switch_over	Permitted	Switchover the MMB
exit	Permitted	Logs out from the MMB.
help	Permitted	Help information
Command termination code display	•	•
show exit_code	Permitted	Displays the termination code for the last command executed.
Firmware revision status/version check		
show update_status	Permitted	Displays the batch firmware update progress.
Network survey commands		
netck traceroute	Permitted	Displays a list of network routes.
netck arptbl	Permitted	Displays the physical Ethernet address.
netck arping	Permitted	Displays the physical Ethernet address.
netck ifconfig	Permitted	Displays the network environment setup status.
netck stat	Permitted	Displays a list of port numbers being used.
REMCS-related commands	•	
set maintenance_ip	Permitted	Sets the REMCS network.
show maintenance_ip	Permitted	Displays the REMCS network setting.
DR-related	•	
hotadd partition	Permitted	Dynamic Reconfiguration HotAdd.
hotremove partition	Permitted	Dynamic Reconfiguration HotRemove.
pciinfo partition	Permitted	Dynamic Reconfiguration PciInfo
set partition dynamic_reconfiguration	Permitted	Sets DR state of partition.
show partition dynamic_reconfiguration	Permitted	Displays DR state of partition.
show dynamic_reconfiguration status	Permitted	Displays DR progress state.
Extended Partitioning-related	•	•
set partition extended_partitioning_mode	Permitted	Sets Extended Partitioning mode.
show partition extended_partitioning _mode	Permitted	Displays Extended Partitioning mode.
set partition dimm_excl_mode	Permitted	Sets DIMM exclusion allocation mode.
show partition dimm_excl_mode	Permitted	Displays DIMM exclusion allocation mode.
set partition skt_binding_mode	Permitted	Sets CPU Socket fixation allocation mode.
show partition skt_binding_mode	Permitted	Displays CPU Socket fixation allocation mode.
add extended_partition sb	Permitted	Adds SB resource to Extended Partitioning.
add extended_partition iou	Permitted	Adds IOU resource to Extended Partitioning.
add extended_partition pcibox	Permitted	Adds PCI_Box resource to Extended Partitioning.
remove extended_partition sb	Permitted	Removes SB resource to Extended Partitioning.
remove extended_partition iou	Permitted	Removes IOU resource to Extended Partitioning.
remove extended_partition pcibox	Permitted	Removes PCI_Box resource to Extended Partitioning.
set partition extended_socket_mode	Permitted	Sets Extended Socket mode.
show partition extended_socket_mode	Permitted	Displays Extended Socket mode.
set partition extended_socket_zone	Permitted	Sets Extended Socket zone.

Command	Administrator	Outline
show partition extended_socket_zon	Permitted	Displays Extended Socket zone.
show extended partition configuration	Permitted	Displays resource of SB included in Extended Partitioning, IOU, and PCI Box.
create raid logical_drive	Permitted	Create RAID logical drive
delete raid logical_drive	Permitted	Delete RAID logical drive
modify raid logical_drive_policy	Permitted	Modify RAID logical drive policy
modify raid logical_drive	Permitted	Modify RAID logical drive
create raid global_hotspare	Permitted	Create RAID global hotspare disk
create raid dedicated_hotspare	Permitted	Create RAID dedicated hospare disk
delete raid hotspare	Permitted	Delete RAID hotspare disk
start raid locate_pd	Permitted	Start locate disk LED
stop raid locate_pd	Permitted	Stop locate disk LED
start raid locate_ld	Permitted	Start locate disk LEDs for logical drive
stop raid locate_ld	Permitted	Stop locate disk LEDs for logical drive
start raid locate_encl	Permitted	Start locate disk enclosure LED
stop raid locate_encl	Permitted	Stop locate disk enclosure LED
start raid rebuild	Permitted	Start disk rebuilding
cancel raid rebuild	Permitted	Cancel disk rebuilding
start raid copyback	Permitted	Start disk copyback
cancel raid copyback	Permitted	Stop disk copyback
start raid mdc	Permitted	Start make data consistency (MDC)
cancel raid mdc	Permitted	Cancel MDC
start raid patrol	Permitted	Start RAID patrol
cancel raid patrol	Permitted	Cancel RAID patrol
make raid online	Permitted	Make disk online
make raid offline	Permitted	Make disk offline
replace raid missing_drive	Permitted	Replace missing drive
show raid adapter	Permitted	Display RAID adapter information
show raid disk_enclosure	Permitted	Display disk enclosure information
show raid physical_drive	Permitted	Display disk information
show raid physical_drive_count	Permitted	Display disk counts
show raid logical_drive	Permitted	Display logical drive information
show raid logical_drive_count	Permitted	Display logical drive counts
show raid bbu	Permitted	Display FBU information
LDAP-related	L	
set special_account	Permitted	Register special account
show special_account	Permitted	Display special account

Command	Operator	Outline
Power control		
power off	Permitted	Turns the power off.
power on	Permitted	Turns the power on.
Partition control		
sadump	Permitted	sadump instruction
reset	Permitted	Hard Reset instruction
nmi	Permitted	NMI interrupt instruction
Partition connection		
console	Permitted	Text Console connection to partition
Partition creation		
add partition		Adds a partition component.
remove partition		Removes a partition component.
show partition configuration	Permitted	Displays the partition configuration.
show partition status	Permitted	Displays the partition status.
set partition home		Sets the Home SB.
show partition home	Permitted	Displays the Home SB.
set partition memory_operation_mode	Permitted	Sets Memory operation mode.
show partition memory_operation_mode	Permitted	Displays Memory operation mode.
set partition memory_mirror_ras_mode	Permitted	Sets Memory operation at Mode.
show partition memory_mirror_ras_mode	Permitted	Displays Memory operation at Mode.
set partition pci_address_mode	Permitted	Sets PCI bus number allocation mod.
show partition pci_address_mode	Permitted	Displays PCI bus number allocation mod.
set partition lan_device_mode	Permitted	Sets LAN device mode.
show partition lan_device_mode	Permitted	Displays LAN device mode.
show partition mirror_mode	Permitted	Displays the Mode setting.
set partition name		Sets the partition name.
show partition name	Permitted	Displays the partition name.
set partition memory_sparing_mode	Permitted	Sets the memory operation at spare mode.
show partition memory_sparing_mode	Permitted	Displays the memory operation at spare mode.
set partition pci_ecrc_mode	Permitted	Sets the ECRC.
show partition pci_ecrc_mode	Permitted	Displays the ECRC.
Time-related	•	
set date		Sets the date and time.
show date	Permitted	Displays the date and time.
set timezone		Sets the time zone.
show timezone	Permitted	Displays the time zone.
Network-related	•	
set ip		Sets the management LAN address.
set ipv6		Sets the IPv6 management LAN address.
show ip	Permitted	Displays the management LAN address.
show ipv6	Permitted	Displays the IPv6 management LAN address.
set hostname		Sets the MMB host name.
show hostname	Permitted	Displays the MMB host name.
set gateway		Sets the gateway address.

TABLE 2.3 MMB CLI commands (Operator)

Command	Operator	Outline
set gateway_ipv6		Sets the IPv6 gateway address.
show gateway	Permitted	Displays the gateway address.
show network	Permitted	Displays the management LAN interface.
show gateway_ipv6	Permitted	Displays the IPv6 gateway address.
set http		Sets whether to enable http service.
set https		Sets whether to enable https service.
set ssh		Sets whether to enable ssh service.
set telnet		Sets whether to enable telnet service.
show http	Permitted	Displays the http service enabling setting.
show https	Permitted	Displays the https service enabling setting.
show legacy_tls	Permitted	Displays the TLS1.0/1.1 enabling setting
show ssh	Permitted	Displays the ssh service enabling setting.
show telnet	Permitted	Displays the telnet service enabling setting.
set http_port		Sets the http port number.
set https_port		Sets the https port number.
set ssh_port		Sets the ssh port number.
set telnet_port		Sets the telnet port number.
show http_port	Permitted	Displays the http port number.
show https_port	Permitted	Displays the https port number.
show ssh_port	Permitted	Displays the ssh port number.
show telnet_port	Permitted	Displays the telnet port number.
clear access_control		Clears the access control setting.
show access_control		Displays the access control setting.
clear ssh_key		Clears the SSH public key.
download ssh_key		Downloads the SSH public key.
ping	Permitted	Pings the target.
show ntpq	Permitted	NTP inquiry (ntpq – p executed)
Account management	1	
passwd	Permitted	Changes a password.
who	Permitted	Displays the login user.
Firmware update		
update ALL		Batch-updates the firmware (new).
MMB configuration and other		
set active_mmb		Sets the active MMB.(Active MMB cannot be executed)
show active_mmb	Permitted	Displays the active MMB.
set mmbcontrol reset		Resets the MMB
set mmbcontrol switch_over		Switchover the MMB
exit	Permitted	Logs out from the MMB.
help	Permitted	Help information
Command termination code display		
show exit_code	Permitted	Displays the termination code for the last command executed.
Firmware revision status/version check		
show update_status		Displays the batch firmware update progress.
Network survey commands		
netck traceroute	Permitted	Displays a list of network routes.

Command	Operator	Outline
netck arptbl	Permitted	Displays the physical Ethernet address.
netck arping	Permitted	Displays the physical Ethernet address.
netck ifconfig	Permitted	Displays the network environment setup status.
netck stat	Permitted	Displays a list of port numbers being used.
REMCS-related commands		
set maintenance_ip		Sets the REMCS network.
show maintenance_ip	Permitted	Displays the REMCS network setting.
Dynamic Reconfiguration-related		
hotadd partition		Dynamic Reconfiguration HotAdd.
hotremove partition		Dynamic Reconfiguration HotRemove.
pciinfo partition		Dynamic Reconfiguration PciInfo
set partition dynamic_reconfiguration	Permitted	Sets DR state of partition.
show partition dynamic_reconfiguration	Permitted	Displays DR state of partition.
show dynamic_reconfiguration status	Permitted	Displays DR progress state.
Extended Partitioning-related		
set partition extended_partitioning _mode	Permitted	Sets Extended Partitioning mode.
show partition extended_partitioning _mode	Permitted	Displays Extended Partitioning mode.
set partition dimm_excl_mode	Permitted	Sets DIMM exclusion allocation mode.
show partition dimm_excl_mode	Permitted	Displays DIMM exclusion allocation mode.
set partition skt_binding_mode	Permitted	Sets CPU Socket fixation allocation mode.
show partition skt_binding_mode	Permitted	Displays CPU Socket fixation allocation mode.
add extended_partition sb		Adds SB resource to Extended Partitioning.
add extended_partition iou		Adds IOU resource to Extended Partitioning.
add extended_partition pcibox		Adds PCI_Box resource to Extended Partitioning.
remove extended_partition sb		Removes SB resource to Extended Partitioning.
remove extended_partition iou		Removes IOU resource to Extended Partitioning.
remove extended_partition pcibox		Removes PCI_Box resource to Extended Partitioning.
set partition extended_socket_mode	Permitted	Sets Extended Socket mode.
show partition extended_socket_mode	Permitted	Displays Extended Socket mode.
set partition extended_socket_zone		Sets Extended Socket zone.
show partition extended_socket_zon	Permitted	Displays Extended Socket zone.
show extended partition configuration	Permitted	Displays resource of SB included in Extended
araata raid lagiaal driva	Permitted	Partitioning, IOU, and PCI Box.
create raid logical_drive delete raid logical_drive	Permitted	Create RAID logical drive
modify raid logical_drive_policy		Delete RAID logical drive
, , ,	Permitted	Modify RAID logical drive policy
modify raid logical_drive	Permitted	Modify RAID logical drive
create raid global_hotspare	Permitted	Create RAID global hotspare disk
create raid dedicated_hotspare	Permitted	Create RAID dedicated hospare disk
delete raid hotspare	Permitted	Delete RAID hotspare disk
start raid locate_pd	Permitted	Start locate disk LED
stop raid locate_pd	Permitted	Stop locate disk LED
start raid locate_ld	Permitted	Start locate disk LEDs for logical drive
stop raid locate_ld	Permitted	Stop locate disk LEDs for logical drive
start raid locate_encl	Permitted	Start locate disk enclosure LED
stop raid locate_encl	Permitted	Stop locate disk enclosure LED

Command	Operator	Outline
start raid rebuild	Permitted	Start disk rebuilding
cancel raid rebuild	Permitted	Cancel disk rebuilding
start raid copyback	Permitted	Start disk copyback
cancel raid copyback	Permitted	Stop disk copyback
start raid mdc	Permitted	Start make data consistency (MDC)
cancel raid mdc	Permitted	Cancel MDC
start raid patrol	Permitted	Start RAID patrol
cancel raid patrol	Permitted	Cancel RAID patrol
make raid online	Permitted	Make disk online
make raid offline	Permitted	Make disk offline
replace raid missing_drive	Permitted	Replace missing drive
show raid adapter	Permitted	Display RAID adapter information
show raid disk_enclosure	Permitted	Display disk enclosure information
show raid physical_drive	Permitted	Display disk information
show raid physical_drive_count	Permitted	Display disk counts
show raid logical_drive	Permitted	Display logical drive information
show raid logical_drive_count	Permitted	Display logical drive counts
show raid bbu	Permitted	Display FBU information
LDAP-related		•
set special_account		Register special account
show special_account		Display special account

Command	Partition	Partition	Outline
	Operator (*) (Same	Operator (*) (Other	
	partition)	partition)	
Power control			
power off	Permitted		Turns the power off.
power on	Permitted		Turns the power on.
Partition control			
sadump	Permitted		sadump instruction
reset	Permitted		Hard Reset instruction
nmi	Permitted		NMI interrupt instruction
Partition connection			
console	Permitted		Text Console connection to partition
Partition creation		1	
add partition			Adds a partition component.
remove partition			Removes a partition component.
show partition configuration	Permitted	Permitted	Displays the partition configuration.
show partition status	Permitted	Permitted	Displays the partition status.
set partition home			Sets the Home SB.
show partition home	Permitted	Permitted	Displays the Home SB.
set partition memory_operation_mode	Permitted		Sets Memory operation mode.
show partition memory_operation_mode	Permitted	Permitted	Displays Memory operation mode.
set partition memory_mirror_ras_mode	Permitted		Sets Memory operation at Mode.
show partition memory_mirror_ras_mode	Permitted	Permitted	Displays Memory operation at Mode.
set partition pci_address_mode	Permitted		Sets PCI bus number allocation mod.
show partition pci_address_mode	Permitted	Permitted	Displays PCI bus number allocation m od.
set partition lan_device_mode	Permitted		Sets LAN device mode.
show partition lan_device_mode	Permitted	Permitted	Displays LAN device mode.
show partition mirror_mode	Permitted	Permitted	Displays the Mode setting.
set partition name			Sets the partition name.
show partition name	Permitted	Permitted	Displays the partition name.
set partition memory_sparing_mode	Permitted		Sets the memory operation at spare mode.
show partition memory_sparing_mode	Permitted	Permitted	Displays the memory operation at spare mode.
set partition pci_ecrc_mode	Permitted		Sets the ECRC.
show partition pci_ecrc_mode	Permitted	Permitted	Displays the ECRC.
Time-related	T		
set date		_	Sets the date and time.
show date	Permitted	Permitted	Displays the date and time.
set timezone			Sets the time zone.
show timezone	Permitted	Permitted	Displays the time zone.
Network-related			
set ip			Sets the management LAN address.
set ipv6			Sets the IPv6 management LAN address.
show ip	Permitted	Permitted	Displays the management LAN address.

TABLE 2.4 MMB CLI commands (Partition Operator)

Command	Partition Operator (*) (Same partition)	Partition Operator (*) (Other partition)	Outline
show ipv6	Permitted	Permitted	Displays the IPv6 management LAN address.
set hostname			Sets the MMB host name.
show hostname	Permitted	Permitted	Displays the MMB host name.
set gateway			Sets the gateway address.
set gateway_ipv6			Sets the IPv6 gateway address.
show gateway	Permitted	Permitted	Displays the gateway address.
show network	Permitted	Permitted	Displays the management LAN interface.
show gateway_ipv6	Permitted	Permitted	Displays the IPv6 gateway address.
set http			Sets whether to enable http service.
set https			Sets whether to enable https service.
set ssh			Sets whether to enable ssh service.
set telnet			Sets whether to enable telnet service.
show http	Permitted	Permitted	Displays the http service enabling setting.
show https	Permitted	Permitted	Displays the https service enabling setting.
show legacy_tls	Permitted	Permitted	Displays the TLS1.0/1.1 enabling setting
show ssh	Permitted	Permitted	Displays the ssh service enabling setting.
show telnet	Permitted	Permitted	Displays the telnet service enabling setting.
set http_port			Sets the http port number.
set https_port			Sets the https port number.
set ssh_port			Sets the ssh port number.
set telnet_port		_	Sets the telnet port number.
show http_port	Permitted	Permitted	Displays the http port number.
show https_port	Permitted	Permitted	Displays the https port number.
show ssh_port	Permitted	Permitted	Displays the ssh port number.
show telnet_port	Permitted	Permitted	Displays the telnet port number.
clear access_control			Clears the access control setting.
show access_control			Displays the access control setting.
clear ssh_key			Clears the SSH public key.
download ssh_key			Downloads the SSH public key.
ping	Permitted	Permitted	Pings the target.
show ntpq	Permitted	Permitted	NTP inquiry (ntpq – p executed)
Account management		1	
passwd	Permitted	Permitted	Changes a password.
who	Permitted	Permitted	Displays the login user.
Firmware update			
update ALL			Batch-updates the firmware (new).
MMB configuration and other			
set active_mmb			Sets the active MMB.(Active MMB cannot be executed)
show active_mmb	Permitted	Permitted	Displays the active MMB.
set mmbcontrol reset			Resets the MMB

Command	Partition Operator (*) (Same partition)	Partition Operator (*) (Other partition)	Outline
set mmbcontrol switch_over			Switchover the MMB
exit	Permitted	Permitted	Logs out from the MMB.
help	Permitted	Permitted	Help information
Command termination code display			
show exit_code	Permitted	Permitted	Displays the termination code for the last command executed.
Firmware revision status/version check			
show update_status			Displays the batch firmware update progress.
Network survey commands			
netck traceroute	Permitted	Permitted	Displays a list of network routes.
netck arptbl	Permitted	Permitted	Displays the physical Ethernet address.
netck arping	Permitted	Permitted	Displays the physical Ethernet address.
netck ifconfig	Permitted	Permitted	Displays the network environment setup status.
netck stat	Permitted	Permitted	Displays a list of port numbers being used.
REMCS-related commands	1	1	
set maintenance_ip			Sets the REMCS network.
show maintenance_ip	Permitted	Permitted	Displays the REMCS network setting.
DR-related	•	I	
hotadd partition			Dynamic Reconfiguration HotAdd.
hotremove partition			Dynamic Reconfiguration HotRemove.
pciinfo partition			Dynamic Reconfiguration PciInfo
set partition dynamic_reconfiguration	Permitted		Sets DR state of partition.
show partition dynamic_reconfiguration	Permitted	Permitted	Displays DR state of partition.
show dynamic_reconfiguration status	Permitted	Permitted	Displays DR progress state.
Extended Partitioning-related	r		
set partition extended_partitioning _mode	Permitted		Sets Extended Partitioning mode.
show partition extended_partitioning _mode	Permitted	Permitted	Displays Extended Partitioning mode.
set partition dimm_excl_mode	Permitted		Sets DIMM exclusion allocation mode.
show partition dimm_excl_mode	Permitted	Permitted	Displays DIMM exclusion allocation mode.
set partition skt_binding_mode	Permitted		Sets CPU Socket fixation allocation mode.
show partition skt_binding_mode	Permitted	Permitted	Displays CPU Socket fixation allocation mode.
add extended_partition sb			Adds SB resource to Extended Partitioning.
add extended_partition iou			Adds IOU resource to Extended Partitioning.
add extended_partition pcibox			Adds PCI_Box resource to Extended Partitioning.
remove extended_partition sb			Removes SB resource to Extended Partitioning.
remove extended_partition iou			Removes IOU resource to Extended Partitioning.
remove extended_partition pcibox			Removes PCI_Box resource to Extended Partitioning.

Command	Partition Operator (*) (Same partition)	Partition Operator (*) (Other partition)	Outline
set partition extended_socket_mode	Permitted		Sets Extended Socket mode.
show partition extended_socket_mode	Permitted	Permitted	Displays Extended Socket mode.
set partition extended_socket_zone			Sets Extended Socket zone.
show partition extended_socket_zon	Permitted	Permitted	Displays Extended Socket zone.
show extended partition configuration	Permitted	Permitted	Displays resource of SB included in Extended Partitioning, IOU, and PCI Box.
create raid logical_drive	Permitted		Create RAID logical drive
delete raid logical_drive	Permitted		Delete RAID logical drive
modify raid logical_drive_policy	Permitted		Modify RAID logical drive policy
modify raid logical_drive	Permitted		Modify RAID logical drive
create raid global_hotspare	Permitted		Create RAID global hotspare disk
create raid dedicated_hotspare	Permitted		Create RAID dedicated hospare disk
delete raid hotspare	Permitted		Delete RAID hotspare disk
start raid locate_pd	Permitted		Start locate disk LED
stop raid locate_pd	Permitted		Stop locate disk LED
start raid locate_ld	Permitted		Start locate disk LEDs for logical drive
stop raid locate_ld	Permitted		Stop locate disk LEDs for logical drive
start raid locate_encl	Permitted		Start locate disk enclosure LED
stop raid locate_encl	Permitted		Stop locate disk enclosure LED
start raid rebuild	Permitted		Start disk rebuilding
cancel raid rebuild	Permitted		Cancel disk rebuilding
start raid copyback	Permitted		Start disk copyback
cancel raid copyback	Permitted		Stop disk copyback
start raid mdc	Permitted		Start make data consistency (MDC)
cancel raid mdc	Permitted		Cancel MDC
start raid patrol	Permitted		Start RAID patrol
cancel raid patrol	Permitted		Cancel RAID patrol
make raid online	Permitted		Make disk online
make raid offline	Permitted		Make disk offline
replace raid missing_drive	Permitted		Replace missing drive
show raid adapter	Permitted	Permitted	Display RAID adapter information
show raid disk_enclosure	Permitted	Permitted	Display disk enclosure information
show raid physical_drive	Permitted	Permitted	Display disk information
show raid physical_drive_count	Permitted	Permitted	Display disk counts
show raid logical_drive	Permitted	Permitted	Display logical drive information
show raid logical_drive_count	Permitted	Permitted	Display logical drive counts
show raid bbu	Permitted	Permitted	Display FBU information
LDAP-related	•		
set special_account			Register special account
show special_account			Display special account

Command	User	Outline
Power control		
power off		Turns the power off.
power on		Turns the power on.
Partition control		
sadump		sadump instruction
reset		Hard Reset instruction
nmi		NMI interrupt instruction
Partition connection		· · ·
console		Text Console connection to partition
Partition creation		
add partition		Adds a partition component.
remove partition		Removes a partition component.
show partition configuration	Permitted	Displays the partition configuration.
show partition status	Permitted	Displays the partition status.
set partition home		Sets the Home SB.
show partition home	Permitted	Displays the Home SB.
set partition memory_operation_mode		Sets Memory operation mode.
show partition memory_operation_mode	Permitted	Displays Memory operation mode.
set partition memory_mirror_ras_mode		Sets Memory operation at Mode.
show partition memory_mirror_ras_mode	Permitted	Displays Memory operation at Mode.
set partition pci_address_mode		Sets PCI bus number allocation mod.
show partition pci_address_mode	Permitted	Displays PCI bus number allocation mod.
set partition lan_device_mode		Sets LAN device mode.
show partition lan_device_mode	Permitted	Displays LAN device mode.
show partition mirror_mode	Permitted	Displays the Mode setting.
set partition name		Sets the partition name.
show partition name	Permitted	Displays the partition name.
set partition memory_sparing_mode		Sets the memory operation at spare mode.
show partition memory_sparing_mode	Permitted	Displays the memory operation at spare mode.
set partition pci_ecrc_mode		Sets the ECRC.
show partition pci_ecrc_mode	Permitted	Displays the ECRC.
Time-related		
set date		Sets the date and time.
show date	Permitted	Displays the date and time.
set timezone		Sets the time zone.
show timezone	Permitted	Displays the time zone.
Network-related		<u>.</u>
set ip		Sets the management LAN address.
set ipv6		Sets the IPv6 management LAN address.
show ip	Permitted	Displays the management LAN address.
show ipv6	Permitted	Displays the IPv6 management LAN address.
set hostname		Sets the MMB host name.
show hostname	Permitted	Displays the MMB host name.
set gateway		Sets the gateway address.

TABLE 2.5 MMB CLI commands (User)

Command	User	Outline
set gateway_ipv6		Sets the IPv6 gateway address.
show gateway	Permitted	Displays the gateway address.
show network	Permitted	Displays the management LAN interface.
show gateway_ipv6	Permitted	Displays the IPv6 gateway address.
set http		Sets whether to enable http service.
set https		Sets whether to enable https service.
set ssh		Sets whether to enable ssh service.
set telnet		Sets whether to enable telnet service.
show http	Permitted	Displays the http service enabling setting.
show https	Permitted	Displays the https service enabling setting.
show legacy_tls	Permitted	Displays the TLS1.0/1.1 enabling setting
show ssh	Permitted	Displays the ssh service enabling setting.
show telnet	Permitted	Displays the telnet service enabling setting.
set http_port		Sets the http port number.
set https_port		Sets the https port number.
set ssh_port		Sets the ssh port number.
set telnet_port		Sets the telnet port number.
show http_port	Permitted	Displays the http port number.
show https_port	Permitted	Displays the https port number.
show ssh_port	Permitted	Displays the ssh port number.
show telnet_port	Permitted	Displays the telnet port number.
clear access_control		Clears the access control setting.
show access_control		Displays the access control setting.
clear ssh_key	Permitted	Clears the SSH public key.
download ssh_key	Permitted	Downloads the SSH public key.
ping	Permitted	Pings the target.
show ntpq	Permitted	NTP inquiry (ntpq – p executed)
Account management	1	
passwd	Permitted	Changes a password.
who	Permitted	Displays the login user.
Firmware update		
update ALL		Batch-updates the firmware (new).
MMB configuration and other		
set active_mmb		Sets the active MMB.(Active MMB cannot be executed)
show active_mmb	Permitted	Displays the active MMB.
set mmbcontrol reset		Resets the MMB
set mmbcontrol switch_over		Switchover the MMB
exit	Permitted	Logs out from the MMB.
help	Permitted	Help information
Command termination code display		
show exit_code	Permitted	Displays the termination code for the last command executed.
Firmware revision status/version check		
show update_status		Displays the batch firmware update progress.
Network survey commands		
netck traceroute	Permitted	Displays a list of network routes.

Command	User	Outline
netck arptbl	Permitted	Displays the physical Ethernet address.
netck arping	Permitted	Displays the physical Ethernet address.
netck ifconfig	Permitted	Displays the network environment setup status.
netck stat	Permitted	Displays a list of port numbers being used.
REMCS-related commands		
set maintenance_ip		Sets the REMCS network.
show maintenance_ip	Permitted	Displays the REMCS network setting.
DR-related		
hotadd partition		Dynamic Reconfiguration HotAdd.
hotremove partition		Dynamic Reconfiguration HotRemove.
pciinfo partition		Dynamic Reconfiguration PciInfo
set partition dynamic_reconfiguration		Sets DR state of partition.
show partition dynamic_reconfiguration	Permitted	Displays DR state of partition.
show dynamic_reconfiguration status	Permitted	Displays DR progress state.
Extended Partitioning-related		
set partition extended_partitioning _mode		Sets Extended Partitioning mode.
show partition extended_partitioning _mode	Permitted	Displays Extended Partitioning mode.
set partition dimm_excl_mode		Sets DIMM exclusion allocation mode.
show partition dimm_excl_mode	Permitted	Displays DIMM exclusion allocation mode.
set partition skt_binding_mode		Sets CPU Socket fixation allocation mode.
show partition skt_binding_mode	Permitted	Displays CPU Socket fixation allocation mode.
add extended_partition sb		Adds SB resource to Extended Partitioning.
add extended_partition iou		Adds IOU resource to Extended Partitioning.
add extended_partition pcibox		Adds PCI_Box resource to Extended Partitioning.
remove extended_partition sb		Removes SB resource to Extended Partitioning.
remove extended_partition iou		Removes IOU resource to Extended Partitioning.
remove extended_partition pcibox		Removes PCI_Box resource to Extended Partitioning.
set partition extended_socket_mode		Sets Extended Socket mode.
show partition extended_socket_mode	Permitted	Displays Extended Socket mode.
set partition extended_socket_zone		Sets Extended Socket zone.
show partition extended_socket_zon	Permitted	Displays Extended Socket zone.
show extended partition configuration	Permitted	Displays resource of SB included in Extended Partitioning, IOU, and PCI Box.
create raid logical_drive		Create RAID logical drive
delete raid logical_drive		Delete RAID logical drive
modify raid logical_drive_policy		Modify RAID logical drive policy
modify raid logical_drive		Modify RAID logical drive
create raid global_hotspare		Create RAID global hotspare disk
create raid dedicated_hotspare		Create RAID dedicated hospare disk
delete raid hotspare		Delete RAID hotspare disk
start raid locate_pd		Start locate disk LED
stop raid locate_pd		Stop locate disk LED
start raid locate_ld		Start locate disk LEDs for logical drive
stop raid locate_ld		Stop locate disk LEDs for logical drive
start raid locate_encl		Start locate disk enclosure LED
stop raid locate_encl		Stop locate disk enclosure LED

Command	User	Outline
start raid rebuild		Start disk rebuilding
cancel raid rebuild		Cancel disk rebuilding
start raid copyback		Start disk copyback
cancel raid copyback		Stop disk copyback
start raid mdc		Start make data consistency (MDC)
cancel raid mdc		Cancel MDC
start raid patrol		Start RAID patrol
cancel raid patrol		Cancel RAID patrol
make raid online		Make disk online
make raid offline		Make disk offline
replace raid missing_drive		Replace missing drive
show raid adapter	Permitted	Display RAID adapter information
show raid disk_enclosure	Permitted	Display disk enclosure information
show raid physical_drive	Permitted	Display disk information
show raid physical_drive_count	Permitted	Display disk counts
show raid logical_drive	Permitted	Display logical drive information
show raid logical_drive_count	Permitted	Display logical drive counts
show raid bbu	Permitted	Display FBU information
LDAP-related		•
set special_account		Register special account
show special_account		Display special account

TABLE 2.6 MMB CLI commands (C	CE)
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Command	CE	Outline
Power control		
power off		Turns the power off.
power on		Turns the power on.
Partition control		
sadump		sadump instruction
reset		Hard Reset instruction
nmi		NMI interrupt instruction
Partition connection		
console		Text Console connection to partition
Partition creation	L	
add partition		Adds a partition component.
remove partition		Removes a partition component.
show partition configuration	Permitted	Displays the partition configuration.
show partition status	Permitted	Displays the partition status.
set partition home		Sets the Home SB.
show partition home	Permitted	Displays the Home SB.
set partition memory_operation_mode		Sets Memory operation mode.
show partition memory_operation_mode	Permitted	Displays Memory operation mode.
set partition memory_mirror_ras_mode		Sets Memory operation at Mode.
show partition memory_mirror_ras_mode	Permitted	Displays Memory operation at Mode.
set partition pci_address_mode		Sets PCI bus number allocation mod.
show partition pci_address_mode	Permitted	Displays PCI bus number allocation mod.
set partition lan_device_mode		Sets LAN device mode.
show partition lan_device_mode	Permitted	Displays LAN device mode.
show partition mirror_mode	Permitted	Displays the Mode setting.
set partition name		Sets the partition name.
show partition name	Permitted	Displays the partition name.
set partition memory_sparing_mode		Sets the memory operation at spare mode.
show partition memory_sparing_mode	Permitted	Displays the memory operation at spare mode.
set partition pci_ecrc_mode		Sets the ECRC.
show partition pci_ecrc_mode	Permitted	Displays the ECRC.
Time-related	L	
set date		Sets the date and time.
show date	Permitted	Displays the date and time.
set timezone		Sets the time zone.
show timezone	Permitted	Displays the time zone.
Network-related		
set ip		Sets the management LAN address.
set ipv6		Sets the IPv6 management LAN address.
show ip	Permitted	Displays the management LAN address.
show ipv6	Permitted	Displays the IPv6 management LAN address.
set hostname		Sets the MMB host name.
show hostname	Permitted	Displays the MMB host name.
		Sets the gateway address.

Command	CE	Outline
set gateway_ipv6		Sets the IPv6 gateway address.
show gateway	Permitted	Displays the gateway address.
show network	Permitted	Displays the management LAN interface.
show gateway_ipv6	Permitted	Displays the IPv6 gateway address.
set http		Sets whether to enable http service.
set https		Sets whether to enable https service.
set ssh		Sets whether to enable ssh service.
set telnet		Sets whether to enable telnet service.
show http	Permitted	Displays the http service enabling setting.
show https	Permitted	Displays the https service enabling setting.
show ssh	Permitted	Displays the ssh service enabling setting.
show telnet	Permitted	Displays the telnet service enabling setting.
set http_port		Sets the http port number.
set https_port		Sets the https port number.
set ssh_port		Sets the ssh port number.
set telnet_port		Sets the telnet port number.
show http_port	Permitted	Displays the http port number.
show https_port	Permitted	Displays the https port number.
show ssh_port	Permitted	Displays the ssh port number.
show telnet_port	Permitted	Displays the telnet port number.
clear access_control		Clears the access control setting.
show access_control		Displays the access control setting.
clear ssh_key	Permitted	Clears the SSH public key.
download ssh_key	Permitted	Downloads the SSH public key.
ping	Permitted	Pings the target.
show ntpq	Permitted	NTP inquiry (ntpq – p executed)
Account management		
passwd	Permitted	Changes a password.
who	Permitted	Displays the login user.
Firmware update		
update ALL		Batch-updates the firmware (new).
MMB configuration and other		
set active_mmb		Sets the active MMB.(Active MMB cannot be executed)
show active_mmb	Permitted	Displays the active MMB.
set mmbcontrol reset		Resets the MMB
set mmbcontrol switch_over		Switchover the MMB
exit	Permitted	Logs out from the MMB.
help	Permitted	Help information
Command termination code display		
show exit_code	Permitted	Displays the termination code for the last command executed.
Firmware revision status/version check		
show update_status		Displays the batch firmware update progress.
Network survey commands		
netck traceroute	Permitted	Displays a list of network routes.
netck arptbl	Permitted	Displays the physical Ethernet address.

Command	CE	Outline
netck arping	Permitted	Displays the physical Ethernet address.
netck ifconfig	Permitted	Displays the network environment setup status.
netck stat	Permitted	Displays a list of port numbers being used.
REMCS-related commands		
set maintenance_ip		Sets the REMCS network.
show maintenance_ip	Permitted	Displays the REMCS network setting.
DR-related		
hotadd partition		Dynamic Reconfiguration HotAdd.
hotremove partition		Dynamic Reconfiguration HotRemove.
pciinfo partition		Dynamic Reconfiguration PciInfo
set partition dynamic_reconfiguration		Sets DR state of partition.
show partition dynamic_reconfiguration	Permitted	Displays DR state of partition.
show dynamic_reconfiguration status	Permitted	Displays DR progress state.
Extended Partitioning-related		
set partition extended_partitioning _mode		Sets Extended Partitioning mode.
show partition extended_partitioning mode	Permitted	Displays Extended Partitioning mode.
set partition dimm_excl_mode		Sets DIMM exclusion allocation mode.
show partition dimm_excl_mode	Permitted	Displays DIMM exclusion allocation mode.
set partition skt_binding_mode		Sets CPU Socket fixation allocation mode.
show partition skt_binding_mode	Permitted	Displays CPU Socket fixation allocation mode.
add extended_partition sb		Adds SB resource to Extended Partitioning.
add extended_partition iou		Adds IOU resource to Extended Partitioning.
add extended_partition pcibox		Adds PCI_Box resource to Extended Partitioning.
remove extended_partition sb		Removes SB resource to Extended Partitioning.
remove extended_partition iou		Removes IOU resource to Extended Partitioning.
remove extended_partition pcibox		Removes PCI_Box resource to Extended Partitioning.
set partition extended_socket_mode		Sets Extended Socket mode.
show partition extended_socket_mode	Permitted	Displays Extended Socket mode.
set partition extended_socket_zone		Sets Extended Socket zone.
show partition extended_socket_zon	Permitted	Displays Extended Socket zone.
show extended partition configuration	Permitted	Displays resource of SB included in Extended Partitioning, IOU, and PCI Box.
create raid logical_drive		Create RAID logical drive
delete raid logical_drive		Delete RAID logical drive
modify raid logical_drive_policy		Modify RAID logical drive policy
modify raid logical_drive		Modify RAID logical drive
create raid global_hotspare		Create RAID global hotspare disk
create raid dedicated_hotspare		Create RAID dedicated hospare disk
delete raid hotspare		Delete RAID hotspare disk
start raid locate_pd		Start locate disk LED
stop raid locate_pd		Stop locate disk LED
start raid locate_Id		Start locate disk LEDs for logical drive
stop raid locate_ld		Stop locate disk LEDs for logical drive
start raid locate_encl		Start locate disk enclosure LED
stop raid locate_encl		Stop locate disk enclosure LED

Command	CE	Outline
cancel raid rebuild		Cancel disk rebuilding
start raid copyback		Start disk copyback
cancel raid copyback		Stop disk copyback
start raid mdc		Start make data consistency (MDC)
cancel raid mdc		Cancel MDC
start raid patrol		Start RAID patrol
cancel raid patrol		Cancel RAID patrol
make raid online		Make disk online
make raid offline		Make disk offline
replace raid missing_drive		Replace missing drive
show raid adapter	Permitted	Display RAID adapter information
show raid disk_enclosure	Permitted	Display disk enclosure information
show raid physical_drive	Permitted	Display disk information
show raid physical_drive_count	Permitted	Display disk counts
show raid logical_drive	Permitted	Display logical drive information
show raid logical_drive_count	Permitted	Display logical drive counts
show raid bbu	Permitted	Display FBU information
LDAP-related		•
set special_account		Register special account
show special_account		Display special account

Notation of parameters in the command syntax

- Multiple parameters are enclosed in brackets [] to indicate that one of them is to be selected.
 - For example, [A|B|C] means that either A, B, or C is to be selected as specified.
 - A parameter is enclosed in braces { } to indicate that it can be omitted.
 - For example, {quiet} means that the quiet parameter can be omitted.

Parameter specification range

The parameters <partition#>, <SB#> and <IOU#> may appear in the command syntax. You can specify values in the following ranges for these parameters.

		I	5
	PRIMEQUEST	PRIMEQUEST	PRIMEQUEST
	2400E3/2400E2/	2800B3/2800B2/	2800E3/2800E2/
Parameter	2400E	2800B	2800E
<partition#></partition#>	0-5	Unsupported	0 - 11
<sb#></sb#>	0-1 *1	0 - 3	0 - 3
<iou#></iou#>	0-3	0 - 3	0 - 3
<extended Partitioning#></extended 	2 -5	Unsupported	4 -11

TABLE 2.7 Parameter specification range

*1: The state of 0 - 3 can be specified for PRIMEQUEST 2400E3/2400E2 Model in the case that Memory Scale-up Board is used.

If the specified value falls outside the valid range, the system displays an error message and does not process the command.

Messages

The following messages are common to all the commands.

If the specified CLI parameter character string is an incorrect parameter, the following message appears.

Also, the CLI parameters are classified into command groups: "show," "set," "add," "remove," "clear," "power," "download," and "update." If the specified parameter does not belong to any of these command groups, this message appears.

The specified parameter is invalid.

The following message appears only if the specified command name is "show," "set," "add," "remove," "clear," "power," "download," or "update."

Parameter missing

If the entered command is not "passwd," "ping," "who," or "help" and does not belong to any of the "show," "set," "add," "remove," "clear," "power," "download," and "update" command groups, the following message appears.

No such file or directory

2.2 Setting Commands

The information setting commands are as follows:

2.2.1 add partition 2.2.2 clear access_control 2.2.3 clear ssh_key 2.2.4 console 2.2.5 download ssh_key 2.2.6 power off 2.2.7 power on 2.2.8 sadump 2.2.9 reset 2.2.10 nmi 2.2.11 remove partition 2.2.12 set active_mmb 2.2.13 set date 2.2.14 set partition dynamic_reconfiguration 2.2.15 set gateway 2.2.16 set gateway_ipv6 2.2.17 set hostname 2.2.18 set http 2.2.19 set http_port 2.2.20 set https 2.2.21 set https_port 2.2.22 set ip 2.2.23 set ipv6 2.2.24 set maintenance_ip 2.2.25 set partition home 2.2.26 set partition lan_device_mode 2.2.27 set partition memory_mirror_ras_mode 2.2.28 set partition memory_operation_mode 2.2.29 set partition name 2.2.30 set partition pci_address_mode 2.2.31 set partition pci_express_mode 2.2.32 set ssh 2.2.33 set ssh_port 2.2.34 set telnet 2.2.35 set telnet_port 2.2.36 set timezone 2.2.37 set partition extended_partitioning_mode 2.2.38 set partition dimm_excl_mode 2.2.39 set partition skt_binding_mode 2.2.40 add extended partition sb 2.2.41 add extended_partition iou 2.2.42 add extended_partition pcibox 2.2.43 remove extended_partition sb 2.2.44 remove extended partition iou 2.2.45 remove extended_partition pcibox 2.2.46 hotadd partition 2.2.47 hotremove partition 2.2.48 pciinfo partition 2.2.49 set partition extended_socket_mode 2.2.50 set partition extended socket zone 2.2.51 set partition memory_sparing_mode 2.2.52 create raid logical_drive 2.2.53 delete raid logical drive 2.2.54 modify raid logical drive policy 2.2.55 modify raid logical_drive 2.2.56 create raid global_hotspare 2.2.57 create raid dedicated_hotspare 2.2.58 delete raid hotspare 2.2.59 start raid locate_pd 2.2.60 stop raid locate_pd

2.2.61 start raid locate_ld 2.2.62 stop raid locate_ld 2.2.63 start raid locate_encl 2.2.64 stop raid locate_encl 2.2.65 start raid rebuild 2.2.66 cancel raid rebuild 2.2.67 start raid copyback 2.2.68 cancel raid copyback 2.2.69 start raid mdc 2.2.70 cancel raid mdc 2.2.71 start raid patrol 2.2.72 cancel raid patrol 2.2.73 make raid online 2.2.74 make raid offline 2.2.75 replace raid missing_drive 2.2.76 set mmbcontrol reset 2.2.77 set mmbcontrol switch_over 2.2.78 set special_account 2.2.79 set partition pci_ecrc_mode

This section describes how to use these commands.

2.2.1 add partition

Adds specified SB, IOU or Extended Partitioning in specified partition.

If specified SB, IOU or Extended Partitioning are not in free status, they cannot be executed.

Privilege: Administrator

(1) Input format

```
add partition < partition#> SB <SB#x> {quiet}
add partition < partition#> IOU <IOU#x> {quiet}
add partition <partition#> EXT_PART <Extended Partitioning#x> {quiet}
```

(2) Option

quiet: Executes the command without interacting with user.

(3) Usage example

```
Example: In PRIMEQUEST 2800E, when SB#3 is to be added in Partition #2
#add partition 2 SB 3
Are you sure you want to add SB#3 to Partition#2? [Y/N] Y
Adding SB#3 to Partition#2 has been completed successfully.
#
```

Example: In PRIMEQUEST 2800E, when IOU#1 is to be added in Partition #2 #add partition 2 IOU 1 Are you sure you want to add IOU#1 to Partition#2? [Y/N] Y Adding IOU#1 to Partition#2 has been completed successfully. #

- Example: In PRIMEQUEST 2800E, when Extended Partitioning#4 is to be added in Partition #2 #add partition 2 EXT_PART 4
 Are you sure you want to add Extended Partitioning#4 to Partition#2? [Y/N] Y
 Adding Extended Partitioning#4 to Partition#2 has been completed successfully.
 - #

(4) Message The following table lists the messages which are displayed in this CLI.

Are you sure you want to add %s to partition #%d? [Y/N]: Adding %s to Partition#%d has been completed successfully. The specified partition number is invalid. The specified [SB IOU Extended Partitioning] number is invalid. Parameter missing The specified parameter is invalid. The parameter [IOU] is not supported. Unable to add the specified SB#x to the partition due to CPU mismatch between SBs. Unable to add the specified [SB#x IOU#x Extended Partitioning#x] to the partition because the specified [SB#x IOU#x Extended Partitioning#x] status is failed. Unable to execute this command on a standby MMB. Failed to execute add partition command. Failed to execute %s command. Unable to add the specified SB to the partition due to CPU composition abnormal.
The specified partition number is invalid. The specified [SB IOU Extended Partitioning] number is invalid. Parameter missing The specified parameter is invalid. The parameter [IOU] is not supported. Unable to add the specified SB#x to the partition due to CPU mismatch between SBs. Unable to add the specified [SB#x IOU#x Extended Partitioning#x] to the partition because the specified [SB#x IOU#x Extended Partitioning#x] status is failed. Unable to execute this command on a standby MMB. Failed to execute add partition command. Failed to execute %s command.
Parameter missing The specified parameter is invalid. The parameter [IOU] is not supported. Unable to add the specified SB#x to the partition due to CPU mismatch between SBs. Unable to add the specified [SB#x IOU#x Extended Partitioning#x] to the partition because the specified [SB#x IOU#x Extended Partitioning#x] status is failed. Unable to execute this command on a standby MMB. Failed to execute add partition command. Failed to execute %s command.
Parameter missing The specified parameter is invalid. The parameter [IOU] is not supported. Unable to add the specified SB#x to the partition due to CPU mismatch between SBs. Unable to add the specified [SB#x IOU#x Extended Partitioning#x] to the partition because the specified [SB#x IOU#x Extended Partitioning#x] status is failed. Unable to execute this command on a standby MMB. Failed to execute add partition command. Failed to execute %s command.
The parameter [IOU] is not supported. Unable to add the specified SB#x to the partition due to CPU mismatch between SBs. Unable to add the specified [SB#x IOU#x Extended Partitioning#x] to the partition because the specified [SB#x IOU#x Extended Partitioning#x] status is failed. Unable to execute this command on a standby MMB. Failed to execute add partition command. Failed to execute %s command.
Unable to add the specified SB#x to the partition due to CPU mismatch between SBs. Unable to add the specified [SB#x IOU#x Extended Partitioning#x] to the partition because the specified [SB#x IOU#x Extended Partitioning#x] status is failed. Unable to execute this command on a standby MMB. Failed to execute add partition command. Failed to execute %s command.
Unable to add the specified [SB#x IOU#x Extended Partitioning#x] to the partition because the specified [SB#x IOU#x Extended Partitioning#x] status is failed. Unable to execute this command on a standby MMB. Failed to execute add partition command. Failed to execute %s command.
[SB#x IOU#x Extended Partitioning#x] status is failed. Unable to execute this command on a standby MMB. Failed to execute add partition command. Failed to execute %s command.
Unable to execute this command on a standby MMB. Failed to execute add partition command. Failed to execute %s command.
Failed to execute add partition command. Failed to execute %s command.
Failed to execute %s command.
Unable to add the specified SB to the partition due to CPU composition abnormal.
Unable to add the specified SB to the partition due to DIMM composition abnormal.
Unable to add the specified SB to the partition due to SB composition abnormal.
Unable to add the specified SB to the partition due to DIMM does not satisfy requirements of Mode.
Unable to change partition configuration because this partition is powered on.
Unable to add the specified SB to the partition due to Dynamic Reconfiguration Mode.
The specified command is not supported.(error=[%s])
Unable to execute this command because the system is under maintenance.
Unable to execute this command because the Partition#x is under maintenance.
Unable to set configuration because the power on/off is processing.
Please execute it after a while again.
The specified [SB#x IOU#x Extended Partitioning#x] is Not-present.
The specified [SB#x IOU#x Extended Partitioning#x] is not free.
Unable to add SB to the partition because Extended Partitioning doesn't support multiple SB configuration
except SB#0-1 or SB#2-3.
Unable to add SB to the partition because Extended Partitioning doesn't support Reserved SB in multiple SB
confguration.

2.2.2 clear access_control

It clears the setting of Access Control.

Privilege: Administrator

(1) Input format

clear access_control

(2) Option

(3) Usage example

None

(4) Message

The following table lists the messages which are displayed in this CLI.

For details of the messages, see the PRIMEQUEST 2000 Series Message Reference (CA92344-0540).

Unable to execute this command on a standby MMI	3.
The specified parameter is invalid.	

2.2.3 clear ssh_key

Clears the public key used for the SSH Public Key Authentication which is registered for the logged in user.

	•	Priv	/ilege: User
		(1)	Input format
	clea	ar sa	sh_key
No	ne	(2)	Option
No	ne	(3)	Usage example
The	e follow	(4) ving ta	Message able lists the messages which are displayed in this CLI.
Foi	details	s of th	ne messages, see the PRIMEQUEST 2000 Series Message Reference (CA92344-0540).

Unable to execute this command on a standby MMB. The specified parameter is invalid.

2.2.4 console

Login to the specified partition by telnet. Execute the Text Console connection of BMC.

The Text Console connection to BMC can be connected only by one command per BMC. However, the following messages are displayed when the following console command is executed when other users have already executed the console command, and the Text Console connection to BMC can be done compulsorily by inputting as 'Y'. In that case, the compulsion cutting is done as for the console command under the connection.

Console redirection already in use If needed, the current user can be disconnected

Do you really want to force disconnect current user? [Y|N]:

- Privilege: Administrator, Operator, Partition Operator (Partitions targeted for management only), CE
 - (1) Input format

console <partition#> {timeout xxxx} {quiet}

(2) Option

timeout: Sets timeout value.

Set by 0 or within the range of 1-120 minutes.

0 consists of the special meaning, it indicates no Timeout.

Default setting is 10 minutes.

Perform the operation by default value when this option is not specified.

quiet: Executes the command without interactive operation with User.

(3) Usage example

Example: In case of Login to BMC of Partition#0

console 0

#

Example: When logged in to BMC of Partition#1 by timeout value of 20 minutes. # console 1 20

(4) Message

The following table lists the messages which are displayed in this CLI.

The specified parameter is invalid.
The specified partition number is invalid.
Unable to execute this command on a standby MMB.
Failed to execute 'console' command.
Unable to execute this command because you have not authority to operate this partition.

2.2.5 download ssh_key

Downloads the public key which is used in SSH Public Key Authentication of logged in users from the specified server and then registers the key.

Input method of URL is as follows. http://host/path/file ftp://host/path/file

Privilege: User

(1) Input format

download ssh_key <URL>

(2) Option

None

(3) Usage example When server is not specified: As shown below, the message urging for the URL input displays. Waiting for URL input. Example:

download ssh_key URL:

(4) Message

The following table lists the messages which are displayed in this CLI.

The specified parameter is invalid.	
Specified host does NOT respond.	

2.2.6 power off

Turn off the power of entire system or specified partition.

When the partition which is specified by parameter is not configured, ignore such partition.

When the specified partition is already in power off state, any process will not be executed for that partition.

Only the partitions which are targeted for management can be operated for Partition Operator.

Error message displays when the parameter having partitions which are not targeted for management is specified. Specified partition cannot be operated.

Privilege: Administrator, Operator, Partition Operator (Partitions targeted for management only)

(1) Input format

power off {partition} [all/ <partition#> [, / -] <partition#>] {force}

(2) Option

Partition: Shutdown the operating system of partition by which partition number is specified and turns off the power of partition. This parameter is optional.

The default parameter is processed as the specified partition parameter. Therefore, it is necessary to specify the partition.

- Partitions are specified as follows.
- all (All defined partitions) specified
- Specifies Partition numbers by delimiting with comma
- Specifies with the range of partition number

force: Shows that the power of the partition turns off forcefully without shutting down the operating system of partition.

(3) Usage example

None

(4) Message

The following table lists the messages which are displayed in this CLI.

The specified parameter is invalid.
The specified partition number is invalid.
Unable to execute this command because the system is under maintenance.
Unable to execute this command because the Partition#x is under maintenance.
Unable to power off the partition#%d.
Unable to force power off on the partition#%d.
Command Failed. Code=0x%04X, 0x%02X
Unable to power off the Partition#n because you have not authority to operate this partition.
Unable to execute this command on a standby MMB.
Unable to power off the partition(s) because the partition which does not have authority to you is included in
the specified parameter.
Unable to execute power control because the firmware is updating.

2.2.7 power on

Turn on the power supply of the entire system or the specified partition.

When the partition specified by the parameter is not configured, the partition which is not configured is ignored.

When the power supply for the specified partition is already turned on, processing for such partitions is not done.

Partition Operator can operate only the partition to be managed.

When the parameter which contains the partitions other than those to be managed is specified, an error message is displayed and the specified partition cannot be operated.

Privilege: Administrator, Operator, Partition Operator (Only the partition to be managed)

(1) Input format

power on {partition} [all | <partition#> [, | -] <partition#>]

(2) Option

Partition: Turn on the power of the partition which specifies the partition number.

When there is no power supply to the chassis, before turning on the power of the partition, turn on the power supply of the chassis and then turn on the power supply of the specified partition. This parameter is optional. The default parameter is processed as the specified partition parameter. Therefore, it is necessary to specify the partition. Partitions are specified as follows.

- all (All defined partitions) specified
- all (All defined partitions) specified
- Specifies Partition numbers by delimiting with comma
 - Specifies with the range of partition number

(3) Usage example None

(4) Message The following table lists the messages which are displayed in this CLI.

The specified parameter is invalid.
The specified partition number is invalid.
Unable to power on the partition#%d due to CPU mismatch between SBs.
Unable to power on the partition#%d due to DIMM does not satisfy requirements of Mode.
Unable to power on due to mismatch between supply voltage and input voltage.
Unable to power on the partition#%d due to abnormal DIMM composition.
Unable to power on the partition#%d due to abnormal SB composition.
Unable to power on the partition#%d.
Command Failed. Code=0x%04X, 0x%02X
Unable to execute this command on a standby MMB
Unable to power on the partition#%d due to no Home SB.
Unable to execute this command because the system is under maintenance.
Unable to execute this command because the Partition#x is under maintenance.
The Power On failed, because of switching the Home SB.
Please execute it after a while again.
Unable to power on the Partition#n because you have not authority to operate this partition.
Unable to power on the partition(s) because the partition which does not have authority to you is included in
the specified parameter.
Unable to execute this command because Extended Partitioning mode of the Partition#x is Enabled.
Unable to execute power control because the firmware is updating.
Unable to execute command because the power control operating.

2.2.8 sadump

Specify sadump to specified partition.

When the partition which is specified by the parameter is not configured, the partition is ignored.

When the specified partition is not in Power On state, any kind of processing for such partition is not done.

Partition Operator can operate only the partition to be managed.

When the parameter which contains the partitions other than those to be managed is specified, an error message is displayed and the specified partition cannot be operated.

- Privilege: Administrator, Operator, Partition Operator (Only the partition to be managed)
 - (1) Input format

sadump {partition} [<partition#> [, | -] <partition#>] {quiet}

(2) Option

partition: This option specifies a sadump of the partition identified by the specified partition number. This partition can be omitted.

partition#: Partition number. Even if the partition parameter is omitted, processing assumes that the partition parameter is specified. Therefore, a partition number must be specified.

- Partition is number specified as follows.
 - Partition numbers are separated by comma
 - Specifies with the range of partition number

quiet: The command is executed without interactive operation with the user.

(3) Usage example

Example: When sadump is specified to Partition#1 by Administrator Authority

Administrator> sadump partition 1 Are you sure you want to sadump to Partition#1? [Y/N]: Y Administrator>

(4) Message

The following table lists the messages which are displayed in this CLI.

Are you sure you want to sadump to Partition#%d? [Y/N]:
The specified parameter is invalid.
The specified partition number is invalid.
Unable to sadump the partition#%d.
Command Failed. Code=0x%04X, 0x%02X
Unable to execute this command on a standby MMB.
Unable to execute this command because the system is under maintenance.
Unable to execute this command because the Partition#x is under maintenance.
Unable to sadump the Partition#n because you have not authority to operate this partition.
Unable to sadump the partition(s) because the partition which does not have authority to you is included in the
specified parameter.
Unable to execute power control because the firmware is updating.

2.2.9 reset

Specify the Hard Reset to the specified partition.

When the partition specified by the parameter is not configured, the partition which is not configured is ignored.

When the specified partition is not in Power On state, any kind of processing for such partition is not done.

Partition Operator can operate only the partition to be managed.

When the parameter which contains the partitions other than those to be managed, is specified then error message is displayed and the specified partition cannot be operated.

- Privilege: Administrator, Operator, Partition Operator (Only the partition to be managed)
 - (1) Input format

reset {partition} [<partition#> [, | -] <partition#>] {quiet}

(2) Option

partition: This option specifies a Hard Reset of the partition identified by the specified partition number. This partition can be omitted.

partition#: Partition number. Even if the partition parameter is omitted, processing assumes that the partition parameter is specified. Therefore, a partition number must be specified.

- Partition is number specified as follows.
 - Partition numbers are separated by comma
 - Specifies with the range of partition number

quiet: The command is executed without interactive operation with the user.

(3) Usage example

Example: When reset is specified to Partition#1 by Administrator Authority

Administrator> reset partition 1 Are you sure you want to Reset to Partition#1? [Y/N]: Y Administrator>

(4) Message

The following table lists the messages which are displayed in this CLI.

Are you sure you want to Reset to Partition#%d? [Y/N]:
The specified parameter is invalid.
The specified partition number is invalid.
Unable to Reset the partition#%d.
Command Failed. Code=0x%04X, 0x%02X
Unable to execute this command on a standby MMB.
Unable to execute this command because the system is under maintenance.
Unable to execute this command because the Partition#x is under maintenance.
Unable to Reset the Partition#n because you have not authority to operate this partition.
Unable to Reset the partition(s) because the partition which does not have authority to you is included in the
specified parameter.
Unable to execute power control because the firmware is updating.

2.2.10 nmi

Specify NMI interruption to specified partition.

The default parameter is processed as the specified partition parameter. Therefore, it is necessary to specify the partition.

When the specified partition is not in Power On state, any kind of processing for such partition is not done.

Partition Operator can operate only the partition to be managed.

When the parameter which contains the partitions other than those to be managed, is specified then error message is displayed and the specified partition cannot be operated.

- Privilege: Administrator, Operator, Partition Operator (Only the partition to be managed)
 - (1) Input format

nmi{partition} [<partition#. [, | -] <partition#>] {quiet}

- (2) Option
- partition: This option specifies a NMI of the partition identified by the specified partition number. This partition can be omitted.

partition#: Partition number. Even if the partition parameter is omitted, processing assumes that the partition parameter is specified. Therefore, a partition number must be specified.

- Partition is number specified as follows.
 - Partition numbers are separated by comma
 - Specifies with the range of partition number

quiet: The command is executed without interactive operation with the user.

(3) Usage example

Example: When NMI is specified in Partition #1 by Administrator privilege.

Administrator > nmi partition 1 Are you sure you want to NMI to Partition#1? [Y/N]: Y Administrator >

(4) Message

The following table lists the messages which are displayed in this CLI.

Are you sure you want to NMI to Partition#%d? [Y/N]:
The specified parameter is invalid.
The specified partition number is invalid
Unable to NMI the partition#%d.
Command Failed. Code=0x%04X, 0x%02X
Unable to execute this command on a standby MMB.
Unable to execute this command because the system is under maintenance.
Unable to execute this command because the Partition#x is under maintenance.
Unable to NMI the Partition#n because you have not authority to operate this partition
Unable to NMI the partition(s) because the partition which does not have authority to you is included in the
specified parameter.
Unable to execute power control because the firmware is updating.

2.2.11 remove partition

Remove the specified SB, IOU or Extended Partitioning from the specified partition.

When the specified SB, IOU or Extended Partitioning is not included in specified partition, then execution cannot be done.

Privilege: Administrator

(1) Input format

```
remove partition <partition#> SB <SB#x> {quiet}
remove partition <partition#> IOU <IOU#x> {quiet}
remove partition <partition#> EXT_PART <Extended Partitioning#x> {quiet}
```

(2) Option

quiet: Command is executed without interacting with the user.

- (3) Usage example
 - Example: When removing SB#3 from Partition #2 in PRIMEQUEST 2800E # r remove partition 2 SB 3. Are you sure you want to remove SB#3 from Partition#2? [Y/N] Y Removing SB#3 from Partition#2 has been completed successfully. #
 - Example: When removing IOU#1 from Partition #2 in PRIMEQUEST 2800E # remove partition 2 IOU1. Are you sure you want to remove IOU#1 from Partition#2? [Y/N] Y Removing IOU#1 from Partition#2 has been completed successfully. #
 - Example: When removing Extended Partitioning#4 from Partition #2 in PRIMEQUEST 2800E # remove partition 2 EXT_PART 4. Are you sure you want to remove Extended Partitioning#4 from Partition#2? [Y/N] Y Removing Extended Partitioning#4 from Partition#2 has been completed successfully. #

(4) Message

The following table lists the messages which are displayed in this CLI.

Are you sure you want to remove %s from Partition#%d? [Y/N]:
Removing %s from Partition#%d has been completed successfully.
The specified partition number is invalid.
The specified [SB IOU Extended Partitioning] number is invalid.
The specified parameter is invalid.
Parameter missing
Partition#x does not include the [SB#x IOU#x Extended Partitioning#x].
Unable to execute this command on a standby MMB.
Failed to execute remove partition command.
Failed to execute %s command.
Unable to change partition configuration because this partition is powered on.
The specified command is not supported.(error=[%s])
The parameter [IOU] is not supported.
Unable to execute this command because the system is under maintenance.
Unable to execute this command because the Partition#x is under maintenance.
Unable to remove the specified [SB#x IOU#x Extended Partitioning#x] from the partition while the partition is
running.

2.2.12 set active_mmb

By resetting Active MMB, switch over to Active MMB.

This command is a command that assumes the case where it does not connect with Active MMB (Even CLI is not good at login either), and executes it from Standby MMB.

Do not execute this command with Active MMB because it does not support execution with Active MMB. This command is a compulsion switch command of MMB used when the trouble occurs. Execute the set mmbcontrol switch_over command or execute Switch over of MMB Web-UI about a usual switch. Do not execute this command when it is normal. MMB might not operate normally.

Open the issue interval of the command for about 15 minutes when you issue this command continuously two times or more.

Remarks

- This command can be executed by connecting to Standby MMB.
- · It is different from Switch Over function of MMB Web-UI.

Privilege: Administrator, CE

(1) Input format

set active_mmb {quiet}

(2) Option

quiet: Command is executed without interacting with the user.

(3) Usage example None

(4) Message

The following table lists the messages which are displayed in this CLI.

Are you sure to continue set active mmb? [y/n]:
The specified parameter is invalid.
set active_mmb failed.
Unable to execute this command on a Active MMB.
The specified MMB#x is NOT present.
The specified MMB#x is disabled.

2.2.13 set date

Set the date and time. The set format is as following.

- MM : Month (01~12)
- DD : Date (1~28|29|30|31)
- hh : Time(00~23)
- mm : Minutes(00~59)
- CC : First two digits of the year (option)
- YY : Last two digits of the year (option)
- · SS: Seconds (option)

Privilege: Administrator

(1) Input format

set date MMDDhhmm{{CC}YY}{, SS}

(2) Option

None

(3) Usage example None

(4) Message

The following table lists the messages which are displayed in this CLI.

The specified date is invalid.
Unable to set date because NTP is enabled.
Time synchronization was requested to Standby MMB.
Unable to execute this command on a standby MMB.

2.2.14 set partition dynamic_reconfiguration

Sets the enable/disable of Dynamic Reconfiguration of the specified partition.

When executing the settings by this command for the partition whose power is already on, message shown below is displayed, and settings cannot be done.

"Unable to change the mode while the partition is running. Please try to change the mode after the partition is shutdown."

When settings of the partition for which power supply is already switched off are to be changed, it is not necessary to turn On / Off the power supply. The value set at that instant is reflected without displaying the above-mentioned message.

When Memory Scale-up Board is built into specified Partition, the specified partition cannot be operated

Privilege: Administrator

(1) Input format

set partition dynamic_reconfiguration <partition#>[disable|enable]{quiet}

(2) Option

quiet: The command is executed without interactive operation to User.

- (3) Usage example
 - Example : When Dynamic Reconfiguration of partition #3 is enabled

set partition dynamic_reconfiguration 3 enable

(4) Message

The following table lists the messages which are displayed in this CLI.

The specified partition number is invalid.
The specified parameter is invalid.
Unable to execute this command on a standby MMB
Failed to execute set partition dynamic_reconfiguration command.
Unable to change the mode while the partition is running.
Please try to change the mode after the partition is shutdown.
DR can't be enabled, because of no DR license.
Unable to execute this command because [Extended Partitioning mode PCI Bus mode TPM Fixed mode] of the Partition#%d is Enabled

2.2.15 set gateway

Default gateway is set

Set value is 0.0.0.0 by default.

Privilege: Administrator

(1) Input format

set gateway<ip address>

(2) Option

None

(3) Usage example None

(4) Message

The following table lists the messages which are displayed in this CLI.

The specified gateway address is invalid.	
The specified parameter is invalid.	
The specified IP address is duplicated.	
The specified IP address is loopback address.	
Unable to execute this command on a standby MMB.	

2.2.16 set gateway_ipv6

Default gateway of IPv6 is set

If automatic setting is executed, only "auto" is specified in option.

Privilege: Administrator

(1) Input format

In case of manual setting

Set gateway_ipv6 <ip address>

In case of automatic setting

Set gateway_ipv6 auto

(2) Option auto: IP address is set automatically.

- (3) Usage example
 In case of manual setting # set gateway_ipv6 fe80::1
- In case of automatic setting #set gateway_ipv6 auto fe80::beef Are you sure to continue?[Y/N]
- (4) Message

The following table lists the messages which are displayed in this CLI.

The specified parameter is invalid.
Unable to execute this command on a standby MMB.
The specified gateway address is invalid
The specified IP address is duplicated.
The specified IP address is loopback address.

2.2.17 set hostname

Specifies the host name of MMB in FQDN format

Characters which can be entered, are as follows.

[a-z],[A-Z],[0-9],[-] (Hyphen),[.] (Dot)

However, following conditions must be observed

- The first character must be alphanumeric character.
- [-] (Hyphen),[.] (Dot) cannot be used as first character

Default value is "PRIMEQUEST" + Product Serial Number.

Example: When serial number is 1020516004, "PRIMEQUEST1020516004"

Privilege: Administrator

(1) Input format

set hostname <hostname>.<domain name>

(2) Option

- None
- (3) Usage example
 - # set hostname hogehoge.fujitsu.com
- #

(4) Message

The following table lists the messages which are displayed in this CLI.

For details of the messages, see the PRIMEQUEST 2000 Series Message Reference (CA92344-0540).

The specified hostname is invalid. Unable to execute this command on a standby MMB

2.2.18 set http

Enable/disable of HTTP server is set

Default value is disable (http is invalid)

Privilege: Administrator

(1) Input format

set http [enable|disable]

None

(3) Usage example

None

(4) Message

(2) Option

The following table lists the messages which are displayed in this CLI.

For details of the messages, see the PRIMEQUEST 2000 Series Message Reference (CA92344-0540).

Unable to execute this command on a standby MMB.

2.2.19 set http_port

Sets a port accepting HTTP session.8081 is the default.

The specifiable port numbers in <port> are in the range of 1024~65535, 80 is the standard port.

Privilege: Administrator

(1) Input format

Set http_port <port>

(2) Option

None

(3) Usage example None

(4) Message

The following table lists the messages which are displayed in this CLI.

The specified port number is invalid.
The specified port number is duplicated.
Unable to execute this command on a standby MMB.

2.2.20 set https

Sets enable/disable the HTTP server.

Default value set is disable (http disabled).

Privilege: Administrator

(1) Input format

Set https [enable | disable]

(2) Option

None

(3) Usage example None

(4) Message

The following table lists the messages which are displayed in this CLI.

For details of the messages, see the PRIMEQUEST 2000 Series Message Reference (CA92344-0540).

Unable to execute this command on a standby MMB.

2.2.21 set https_port

Sets a port accepting HTTPS messages.432 is the default.

432, 1024~65535 are specifiable port numbers by <port>, 443 is the standard port.

Privilege: Administrator

(1) Input format

Set https_port <port>

(2) Option

None

(3) Usage example None

(4) Message

The following table lists the messages which are displayed in this CLI.

The specified port number is invalid.	
The specified port number is duplicated.	
Unable to execute this command on a standby MMB.	

2.2.22 set ip

Sets <IP address>, <netmask>,for management LAN interface.

Sets virtual IP address of MMB connected in Serial.

Sets point of default is 0.0.0.0.

Privilege: Administrator

(1) Input format

set ip <ip address> <netmask>

(2) Option

None

(3) Usage example None

(4) Message

The following table lists the messages which are displayed in this CLI.

The specified IP address is invalid.
The specified netmask is invalid.
The specified IP address is duplicated.
The specified IP address is loopback address.
Unable to execute this command on standby MMB.
The specified MMB IP address is duplicated.(Console IP Address)

2.2.23 set ipv6

Sets the global address for IPv6 and prefix length for management LAN interface.

Sets virtual IP address of MMB.

When automatic setting is done, only "auto" is specified in the option.

Privilege: Administrator

(1) Input format

In case of manual setting set ipv6 <ip address/prefix>

In case of automatic setting

set ipv6 auto

(2) Option

auto: IP address is set automatically.

- (3) Usage example
 In case of manual setting #set ipv6 2001:db8:caaf:beef:206:29ff:fele:482e/48 #
- In case of automatic setting If GUID (Device serial number): "123456789abcdef0" #set ipv6 auto 2001:xxxx:xxxx:xxxx:1234.5678.9abc.def0/64 Are you sure to continue? [Y/N]

(4) Message

The following table lists the messages which are displayed in this CLI.

Unable to execute this command on a standby MMB.
The specified IP address is invalid.
The specified netmask is invalid.
The specified IP address is duplicate.
The specified IP address is loopback address.
The specified MMB IP address is duplicated.(Console IP Address)

2.2.24 set maintenance_ip

Remarks

Only IPv4 is supported.

Set IP address in Maintenance port.

Set point of default is 0.0.0.0, common in ip address, netmask, gateway address, smtp address. Sets virtual IP address of MMB connected in Serial.

Sets point of default is 0.0.0.0.

- · <ip address>: IP address set in Maintenance port (when 0.0.0.0 is specified, settings are cleared)
- <subnet mask>: Subnet mask of IP address
- · <gateway address>: Gateway
- <smtp address>: Mail server for REMCS notification

Remarks

- When you change SMTP Address by this command, it is necessary to change the settings of SMTP server in REMCS environment setting window. Moreover, before initializing REMCS, Routing should be set by this command.
- When REMCS is to be connected in P-P, <gateway address> and <SMTP address> are not required. In such case, <gateway address> and <SMTP address> are set to 0.0.0.0.
- When settings in this command are invalid, <ip address> is set to 0.0.0.0. Though the parameters other than <ip address> parameters are optional, they are recommended to be 0.0.0.0.

Privilege: Administrator, CE

(1) Input format

```
set maintenance_ip <ip address> <netmask> <gateway address> ¥
<smtp address>
```

¥: Indicates that there is no new line.

(2) Option

None

(3) Usage example

Examples: Setting the IP address of the Maintenance port by the following contents

- · IP address: 192.168.1.10
- Subnetmask: 255.255.255.0
- · Gateway: 192.168.1.1
- Mail server for REMCS acknowledgement: 172.128.1.2

set maintenance_ip 192.168.1.10 255.255.255.0 192.168.1.1 172.128.1.2

(4) Message

The following table lists the messages which are displayed in this CLI.

The specified IP address is invalid.
The specified netmask is invalid.
The specified gateway address is invalid.
The specified smtp address is invalid.
Unable to execute this command on a standby MMB.

2.2.25 set partition home

It sets the Home SB of the specified partition.

It specifies the number of SB to be set in Home. If the specified SB does not exist, the process is not executed. When specified SB is Memory Scale-up Board, processing is not executed. When the specified partition is an Extended Partition, the error message is displayed, and the operation to the specified partition cannot be operated. Resource (USB1, VGA/USB2) of Home SB allocated in Extended Partition automatically changes into the resource of specified SB when the Extended Partitioning mode of the specified partition is Enable setting.

Privilege: Administrator

(1) Input format

set partition home <partition#> SB <SB#>

None

(2) Option

(3) Usage example Example: When setting SB#2 as Home in Partition3

set partition home 3 SB 2
#

(4) Message

The following table lists the messages which are displayed in this CLI.

The specified partition number is invalid.
The specified SB number is invalid.
The specified SB#x is Not - present.
Jnable to change the home SB while the partition is running. Please try to change the home SB after the partition is shutdown.
Jnable to execute this command on a standby MMB.
The specified parameter is invalid.
Jnable to execute this command because the system is under maintenance.
Jnable to execute this command because the Partition#x is under maintenance.
Succeed to set partition home command.
Failed to execute set partition home command.
Failed to execute %s command.
The specified command is not supported.(error=[%s])

2.2.26 set partition lan_device_mode

LAN Device Mode is set by the IOU unit in the specified partition. Default value set is wol_disable.

wol_enable: Onboard LAN enabled with AC On. wol_disable: Onboard LAN enabled with Partition On. device_disable: Onboard LAN device disabled always.

For the partition which is already powered ON, when the settings are performed by this command, following message is displayed and settings cannot be performed.

"Unable to change the mode while the partition is running. Please try to change the mode after the partition is shutdown."

For the partition which is already powered OFF, when the settings are changed by this command, power OFF/ON is not required. The value which is set is reflected instantly instead of displaying the above-mentioned message.

Moreover, also when values which are the same as the current values are set, power off/on is not required and the above-mentioned message is not displayed.

When the specified partition is an Extended Partitioning, an error message is displayed, and the specified partition cannot be operated.

Privilege: Administrator, Operator, Partition Operator (Only managed partition)

(1) Input format

set partition lan_device_mode <partition#> <IOU#> [wol_enable]

(2) Option

quiet: The command is executed without interactive operation to User.

(3) Usage example

Example: When setting IOU#2 to Enable (WOL enabled) in the Partition3

set partition lan_device_mode 3 2 enable_wol_enable
#

(4) Message

The following table lists the messages which are displayed in this CLI.

The setting will become effective the next time the partition power off/on is performed.	
The specified partition number is invalid.	
The specified parameter is invalid.	
Unable to execute this command on a standby MMB.	
Failed to execute %s command.	
Failed to execute set partition command.	
Unable to change the mode while the partition is running.	
Please try to change the mode after the partition is shutdown.	
Unable to execute this command because you have not authority to operate this partition.	

2.2.27 set partition memory_mirror_ras_mode

It sets the Memory Mirror RAS mode of the specified partition.

Memory Operation Mode can be set only at the time of Mode settings. Default value is set to mirror_keep (RAS emphasized mode).

mirror_keep: Mode is maintained capacity_keep: Capacity of the memory is maintained.

For the partition which is already powered ON, when the settings are performed by this command, following message is displayed and settings cannot be performed.

"Unable to change the mode while the partition is running. Please try to change the mode after the partition is shutdown."

For the partition which is already powered OFF, when the settings are changed by this command, power OFF/ON is not required. The value which is set is reflected instantly instead of displaying the above-mentioned message.

Moreover, also when values which are the same as the current values are set, power ff/on is not required and the above-mentioned message is not displayed.

When the specified partition is an Extended Partitioning, an error message is displayed, and the specified partition cannot be operated.

Privilege: Administrator, Operator, Partition Operator (Only managed partition)

(1) Input format

set partition memory_mirror_ras_mode <partition#> [mirror_keep |capacity_keep]
{quiet}

(2) Option

quiet: The command is executed without interactive operation to User.

(3) Usage example

Example: When setting Memory Mirror RAS Mode of the Partition3 to Mirror Keep Mode

set partition memory_mirror_ras_mode 3 mirror_keep

The setting will become effective the next time the partition power off/on is performed

#

(4) Message The following table lists the messages which are displayed in this CLI.

The setting will become effective the next time the partition power off/on is performed.
The specified partition number is invalid.
The specified parameter is invalid.
Unable to register the specified Partition#%d as Mode enable because the CPU mismatch between SBs.
Unable to register the specified Partition#%d as Mode enable because the DIMM does not satisfy
requirements of Mode.
Unable to register the specified Partition#%d as Mode enable because the unsupported CPU configuration.
Unable to register the specified Partition#%d as Mode enable because of abnormal CPU composition.
Unable to register the specified Partition#%d as Mode enable because of abnormal DIMM composition.
Unable to register the specified Partition#%s as Mode enable because of abnormal SB composition.
Unable to execute this command on a standby MMB.
Failed to execute %s command.
Failed to execute set partition command.
Unable to change the mode while the partition is running.
Please try to change the mode after the partition is shutdown.
Unable to execute this command because you have not authority to operate this partition.

2.2.28 set partition memory_operation_mode

It sets the Memory Operation Mode of the specified partition.

By default normal (Mode invalid) is set.

 performance
 : sets the Performance Mode

 normal
 : sets the Normal Mode

 partial_mirror
 : sets the Partial Mode

 full_mirror
 : sets the Full Mode

 spare
 : sets the Spare Mode

 address_range_mirror : sets the Address Range Mirror Mode (This function can be available in the

 PRIMEQUEST 2400E3/2800E3)

For the partition which is already powered ON, when the settings are performed by this command, following message is displayed and settings cannot be performed.

"Unable to change the mode while the partition is running. Please try to change the mode after the partition is shutdown."

When the partition is configured of or above, and when Reserved SB is set, also, when the settings other than the Memory Operation Mode satisfying the DIMM configuration requirement of SB is set as Reserved SB, following message is displayed and setting cannot be possible.

"The SB with DIMM that does not satisfy requirements of Mode is registered as a Reserved SB. If you register this partition as a Mode, Mode will be disabled when switching to Reserved SB. Are you sure to continue?[Y/N]"

For the partition which is already powered OFF, when the settings are changed by this command, power OFF/ON is not required. The value which is set is reflected instantly instead of displaying the above-mentioned message.

Moreover, also when the values which are the same as the current values are set, power off/on is not required and the above-mentioned message is not displayed.

When the specified partition is an Extended Partitioning, an error message is displayed, and the specified partition cannot be operated.

Privilege: Administrator, Operator, Partition Operator (Only managed partition)

(1) Input format

```
set partition memory_operation_mode <partition#> [performance |normal |
partial_mirror | full_mirror | spare | address_range_mirror] {quiet}
```

(2) Option

quiet: The command is executed without interactive operation to User.

```
(3) Usage example
```

Example: When setting Memory Operation Mode of the Partition3 to performance

set partition memory_operation_mode 3 performance

The setting will become effective the next time the partition power off/on is performed #

here are cases when the partition is configured to 1SB, and, when Reserved SB is set, also when the settings other than the Memory Operation Mode of DIMM configuration satisfying SB requirement is registered as Reserved SB, a dialog box for conformation is displayed.

When the Memory Operation Mode is switched to the Reserved SB, a warning message indicating a change in Memory Operation Mode is displayed in the dialog box and whether this setting is to be continued is confirmed in the dialog box.

If this message is not displayed, the Memory Operation Mode is not changed even if it is switched to Reserved SB.

Example: When setting the Mode of the Partition 1 to enable (The SB with DIMM that does not satisfy the Mode requirements is registered as the Reserved SB in Partition 1)

set partition memory_operation_mode 1 pertial_mirror The SB with DIMM that does not satisfy requirements of Mode is registered as the Reserved SB. If you register this partition as a Mode, Mode will be disabled when switching to a Reserved SB. Are you sure to continue? [Y/N] y

(4) Message

The following table lists the messages which are displayed in this CLI.

The setting will become effective the next time the partition power off/on is performed.
Are you sure to continue? [Y/N]
The SB with DIMM that does not satisfy requirements of Mode is registered as a Reserved SB. If you register
this partition as a Mode, Mode will be disabled when switching to Reserved SB.
Are you sure to continue? [Y/N]
The specified partition number is invalid.
The specified parameter is invalid.
Unable to register the specified Partition#%d as Mode enable because the CPU mismatch between SBs.
Unable to register the specified Partition#%d as Mode enable because the DIMM does not satisfy
requirements of Mode.
Unable to register the specified Partition#%d as Mode enable because the unsupported CPU configuration.
Unable to register the specified Partition#%d as Mode enable because of abnormal CPU composition.
Unable to register the specified Partition#%d as Mode enable because of abnormal DIMM composition.
Unable to register the specified Partition#%s as Mode enable because of abnormal SB composition.
Unable to execute this command on a standby MMB.
Failed to execute %s command.
Failed to execute set partition command.
Unable to change the mode while the partition is running.
Please try to change the mode after the partition is shutdown.
Unable to execute this command because you have not authority to operate this partition.

2.2.29 set partition name

I It sets the name of the specified partition.

The name of the partition is up to 16 characters. The name that contains the characters exceeding the 16 characters cannot be set.

If the name contains space, it is enclosed within "".

The characters that can be used are as follows.

[a-z], [A-Z], [0-9], "-", (Under bar), "_" (hyphen), "#" (Sharp), "" (Blank)

No default value is set.

Privilege: Administrator

(1) Input format

set partition name <partition#> <partition name>

(2) Option

None

(3) Usage exampleExample: When setting the name "hogehoge" to the Partition3

set partition name 3 hogehoge
#

(4) Message

The following table lists the messages which are displayed in this CLI.

The specified partition number is invalid.
The specified partition name is invalid.
Partition#x is not defined.
Unable to execute this command on a standby MMB.
The specified parameter is invalid.
Unable to execute this command because the system is under maintenance.
Unable to execute this command because the Partition#x is under maintenance.
Succeed to set partition name command.
Failed to execute set partition name command.
Failed to execute %s command.
The specified command is not supported.(error=[%s])

2.2.30 set partition pci_address_mode

It sets the PCI Address Mode of the specified partition.

PCI Segment Mode is set as default.

bus: sets PCI Bus Mode segment: sets PCI Segment Mode

For the partition which is already powered ON, when the settings are performed by this command, following message is displayed and settings cannot be performed.

"Unable to change the mode while the partition is running. Please try to change the mode after the partition is shutdown."

For the partition which is already powered off, when the settings are changed by this command, power off/on is not required. The value which is set is reflected instantly instead of displaying the above-mentioned message.

Moreover, also when the values which are the same as the current values are set, power off/on is not required and the above-mentioned message is not displayed.

When the specified partition is an Extended Partitioning, an error message is displayed, and the specified partition cannot be operated.

Privilege: Administrator, Operator, Partition Operator (Only managed partition)

(1) Input format

set partition pci_address_mode <partition#> [bus | segment]{quiet}

(2) Option

quiet: The command is executed without interactive operation to User.

(3) Usage example

Example: When setting PCI Address Mode of the Partition3 to Segment Mode

set partition pci_address_mode 3 segment

#

(4) Message

The following table lists the messages which are displayed in this CLI.

The setting will become effective the next time the partition power off/on is performed.
The specified partition number is invalid.
The specified parameter is invalid.
Unable to execute this command on a standby MMB.
Failed to execute %s command.
Failed to execute set partition command.
Unable to change the mode while the partition is running.
Please try to change the mode after the partition is shutdown.
Unable to execute this command because you have not authority to operate this partition.

2.2.31 set partition pci_express_mode

It sets the PCI Express Mode of the specified partition. This command cannot be operated for Partition that has already done power On.

Flexible I/O Mode is set as default.

flexible: sets Flexible I/O Mode fixed: sets Fixed I/O Mode

When the specified partition is an Extended Partitioning, an error message is displayed, and the specified partition cannot be operated.

When the Fixed I/O mode is set to Partition to which Reserved SB is set, the error message is displayed, and the operation is restrained.

The setting of Device Manager -> LAN Remote Boot Configuration of the UEFI menu might return to the Default setting when the setting of PCI Express Mode is changed. Please set LAN Remote Boot Configuration again after the setting change of PCI Express Mode.

Privilege: Administrator, Operator, Partition Operator (Only managed partition)

(1) Input format

set partition pci_ express_mode <partition#> [flexible | fixed]

(2) Option

None

(3) Usage example Example: When setting I/O Mode of the Partition3 to fixed Mode

set partition pci express mode 3 fixed
pci_express_mode: fixed
#

(4) Message

The following table lists the messages which are displayed in this CLI.

The specified partition number is invalid.
The specified parameter is invalid.
Failed to execute set partition pci_express_mode command.
Unable to execute this command on a standby MMB.
Unable to set the fixed mode in this model.
Unable to change the mode while the partition is running.
Please try to change the mode after the partition is shutdown.
Unable to execute this command because you have not authority to operate this partition.
Unable to change the mode because of the Reserved SB setting.

2.2.32 set ssh

Sets enable/disable of SSH.

Default setting is disable (SSH Disable).

Privilege: Administrator

(1) Input format

set ssh [enable | disable]

(2) Option

None

(3) Usage example

None

(4) Message

The following table lists the messages which are displayed in this CLI.

For details of the messages, see the PRIMEQUEST 2000 Series Message Reference (CA92344-0540).

Unable to execute this command on a standby MMB.

2.2.33 set ssh_port

Set the port which receives the SSH session. Default setting is 22.

The port number which indicates the <port> are 22, 1024~65535.

Privilege: Administrator

(1) Input format

set ssh_port <port>

(2) Option

None

(3) Usage example None

(4) Message

The following table lists the messages which are displayed in this CLI.

For details of the messages, see the PRIMEQUEST 2000 Series Message Reference (CA92344-0540).

The specified port number is invalid. The specified port number is duplicated. Unable to execute this command on a standby MMB.

2.2.34 set telnet

Sets enable/disable of Telnet. Default setting is disable (Telnet Disable).

Privilege: Administrator

(1) Input format

set telnet [enable | disable]

(2) Option

None

(3) Usage example None

(4) Message

The following table lists the messages which are displayed in this CLI.

For details of the messages, see the PRIMEQUEST 2000 Series Message Reference (CA92344-0540).

Unable to execute this command on a standby MMB.

2.2.35 set telnet_port

Sets the port which receives the telnet connection. Default setting is 23.

Port numbers which can be set are 23, 1024~65535.

Privilege: Administrator

(1) Input format

set telnet_port <port>

(2) Option

None

(3) Usage example None

(4) Message

The following table lists the messages which are displayed in this CLI.

The specified port number is invalid.
The specified port number is duplicated.
Unable to execute this command on a standby MMB.

2.2.36 set timezone

Set the Timezone.

Remarks

It is necessary to reset the time by using set date command after the time zone is set.

Privilege: Administrator

(1) Input format

set timezone <timezone>

(2) Option

None

(3) Usage example None

(4) Message

The following table lists the messages which are displayed in this CLI.

The specified port number is invalid.
Time synchronization was requested to Standby MMB.
Unable to execute this command on a standby MMB.

2.2.37 set partition extended_partitioning_mode

Sets the Extended Partitioning mode for the specified partition.

Default setting is disable.

enable: enables Extended Partitioning mode. disable: disables Extended Partitioning mode.

When the settings are executed for the partition which is already in powered on by using this command, the following messages are displayed and settings cannot be done. :

"Unable to change the mode while the partition is running. Please try to change the mode after the partition is shutdown."

When the settings are changed by using this command for the partition which is already powered off, power on/off is not required. The values are reflected immediately, without displaying above message.

Moreover, power on/off is not required even if the present value is not changed. In this case also, the above message is not displayed.

When the specified partition is an Extended Partitioning, an error message is displayed, and the specified partition cannot be operated.

Privilege: Administrator, Operator, Partition Operator (Management target partition only)

(1) Input format

Set partition extended_partitioning _mode <partition#> [enable | disable] {quiet}

(2) Option quiet: Message is not displayed

(3) Usage example

Example: when setting the Extended Partitioning mode of Partition#1 Enable

- # set partition extended_partitioning _mode 1 enable
 #
- (4) Message

The following table lists the messages which are displayed in this CLI.

The specified partition number is invalid.
The specified command is not supported.(error=[%s])
Unable to execute this command on a standby MMB.
Failed to execute 'set partition extended_partitioning_mode' command.
Unable to execute this command because the system is under maintenance.
Unable to execute this command because the Partition#x is under maintenance.
Unable to change the mode while the partition is running.
Please try to change the mode after the partition is shutdown.
Unable to execute this command because you have not authority to operate this partition.
Partition#x is not defined.
The Extended Partitioning mode cannot be changed while the PPAR Partition is Dynamic Reconfiguration
mode.
Unable to set Extended Partitioning Mode because Partition Power Save Control is enabled.
Unable to set Extended Partitioning Mode because Extended Partitioning doesn't support multiple SB
configuration except SB#0-1 or SB#2-3.
Unable to set Extended Partitioning Mode because Extended Partitioning doesn't support Reserved SB in
multiple SB configuration.

2.2.38 set partition dimm_excl_mode

It sets the DIMM exclusive allocation mode of the specified Extended Partitioning.

Default value set is disable.

enable: DIMM exclusive allocation mode is valid disable: DIMM exclusive allocation mode is invalid

For the partition which is already powered on, when the settings are performed by this command, following message is displayed and settings cannot be performed.

"Unable to change the mode while the partition is running. Please try to change the mode after the partition is shutdown."

For the partition which is already powered off, when the settings are changed by this command, power off/on is not required. The value which is set is reflected instantly instead of displaying the above-mentioned message.

Moreover, also if a values which are the same as the current values are set, power off/on is not required, and the above-mentioned message is not displayed.

When the specified partition is not in an Extended Partitioning, an error message is displayed and the operation cannot be performed for the specified partition.

Privilege: Administrator, Operator, Partition Operator (Only managed partition)

(1) Input format

set partition dimm_excl_mode <partition#> [enable | disable]{quiet}

(2) Option

quiet: Message is not displayed

(3) Usage example

Example: When setting DIMM exclusive allocation mode of the Partition#4 to Enable.

set partition dimm_excl_mode 4 enable
#

(4) Message

The following table lists the messages which are displayed in this CLI.

The specified partition number is invalid.
The specified command is not supported.(error=[%s])
Unable to execute this command on a standby MMB.
Failed to execute 'set partition dimm_excl_mode' command.
Unable to execute this command because the system is under maintenance.
Unable to execute this command because the Partition#x is under maintenance.
Unable to change the mode while the partition is running.
Please try to change the mode after the partition is shutdown.
Unable to execute this command because you have not authority to operate this partition.
Partition#x is not defined.

2.2.39 set partition skt_binding_mode

It sets the CPU socket binding mode of the specified Extended Partitioning.

Default value set is disable.

enable: CPU socket binding mode is enabled. disable: CPU socket binding mode is disabled

For the partition which is already powered on, when the settings are performed by this command, the following message is displayed and settings cannot be performed.

"Unable to change the mode while the partition is running. Please try to change the mode after the partition is shutdown."

For the partition which is already powered off, when the settings are changed by this command, power off/on is not required. The value which is set, is reflected instantly instead of displaying the above-mentioned message

Moreover, also when value which are the same as the current values are set, power off/on is not required and the above-mentioned message is not displayed.

When the mode setting is changed from disable to enable for the Extended Partition where the number of CPU cores more than two sockets is allocated, the number of CPU cores is changed to two sockets.

When the specified partition is not in an Extended Partitioning, an error message is displayed and the operation cannot be performed for the specified partition.

Privilege: Administrator, Operator, Partition Operator (Only managed partition)

(1) Input format

set partition skt_binding_mode <partition#> [enable| disable] {quiet}

(2) Option quiet: Message is not displayed

(3) Usage example

Example: When setting CPU socket binding mode of the Partition#4 to Enable.

set partition skt_binding_mode 4 enable
#

Example: When setting the mode of the Partition#4 that allocates 37 cores to Enable.

set partition skt_binding_mode 4 enable
The setting number of CPU cores will be modified.(current:37 to setting:36)
SKT Binding Mode of Partition#4 is enable.
Are you sure to continue?[Y/N]: y
#

(4) Message

The following table lists the messages which are displayed in this CLI.

For details of the messages, see the PRIMEQUEST 2000 Series Message Reference (CA92344-0540)..

The specified partition number is invalid. The specified command is not supported.(error=[%s]) Unable to execute this command on a standby MMB. Failed to execute this command because the system is under maintenance. Unable to execute this command because the Partition#x is under maintenance. Unable to execute this command because the Partition#x is under maintenance. Unable to change the mode while the partition is running. Please try to change the mode after the partition is shutdown. Unable to execute this command because you have not authority to operate this partition. Partition#x is not defined.

2.2.40 add extended_partition sb

It adds the specified SB resources to the specified Extended Partitioning.

It is set to the specified value for CPU Core and Memory.

When the specified Extended Partitioning is powered ON, this command cannot be executed.

When CPU core number, memory size, USB1 of HOME SB, VGA/USB2/rKVMS, PCI Express slot of SB, is not free, this command cannot be executed.

When the specified partition number is not in an Extended Partitioning, none of the commands are executed.

When VGAUSB2 is executed, the message to recommend the user operation that does not allocate VGA/USB2/rKVMS is output.

When numbers of CPU cores that are more than that of two sockets are specified by this command for the Extended Partition that CPU socket binding mode is set to enable, the number of CPU cores is changed to two sockets.

Privilege: Administrator

(1) Input format

```
add extended_partition sb <partition#> CPU <CPU core number> {quiet}
add extended_partition sb <partition#> MEMORY <Memory size> {quiet}
add extended_partition sb <partition#> USB1 {quiet}
add extended_partition sb <partition#> VGAUSB2 {quiet}
```

(2) Option

quiet: The command is executed without interacting with the user.

```
    (3) Usage example
    Example: When three CPU cores are to be set to Partition#4 in PRIMEQUEST 2800E
    # add extended_partition sb 4 CPU 3
    Are you sure to continue adding three CPU Cores to Partition#4? [Y/N] Y
    Adding three CPU Cores to Partition#4 has been completed successfully.
    #
```

 Example: When 24G Memory is to be se to Partition#4 in PRIMEQUEST 2800E # add extended_partition sb 4 MEMORY 24 Are you sure to continue adding 24G Memory to Partition#4? [Y/N] Y Adding 24G Memory to Partition#4 has been completed successfully. #

 Example: When USB1 of HOME SB is to be added to Partition#4 in PRIMEQUEST 2800E # add extended_partition sb 4 USB1 Are you sure to continue adding USB1 to Partition#4? [Y/N] Y Adding USB1 to Partition#4 has been completed successfully.

Example: When VGA/USB2 of HOME SB is to be added to Partition#4 in PRIMEQUEST 2800E
 # add extended_partition sb 4 VGAUSB2
 Are you sure to continue adding VGA/USB2 to Partition#4? [Y/N] Y
 !!! CAUTION!!!
 Assignment of "VGA/USB2/rKVMS" cannot be changed if the Extended Partition is powered on.
 Please release "VGA/USB2/rKVMS" after the operation.
 Note:
 "IP Address", "Video Redirection" and "Virtual Media" for all Extended Partitions must be enabled in
 "Partition -> Console Redirection Setup" menu.
 Adding VGA/USB2 to Partition#4 has been completed successfully.
 #

Example: When PCI Express slot of SB#2 is to be added to Partition#4 in PRIMEQUEST 2800E

add extended_partition sb 4 PCISLOT 2 Are you sure to continue adding PCI Slot of SB#2 to Partition#4? [Y/N] Y Adding PCI Slot of SB#2 to Partition#4 has been completed successfully.

• Example: When adding 37 CPU cores to Partition#4 whose CPU socket binding mode is enable. (CPU is 18 cores/socket)

add extended_partition sb 4 CPU 37
The specified number of cores will be modified (37 to 36), because SKT Binding Mode is enable.
Are you sure you want to add 36 CPU Cores to Partition#4? [Y/N]: Y
Adding 36 CPU Cores to Partition#4 has been completed successfully.
#

(4) Message

The following table lists the messages which are displayed in this CLI.

Are you sure you want to add %s to Partition#%d? [Y/N]:
Adding %s to Partition#%d has been completed successfully.
The specified partition number is invalid.
The specified SB number for PCI Slot is invalid.
The specified partition doesn't have [SB#%d SB].
Parameter missing
The specified parameter is invalid.
The specified command is not supported.(error=[%s])
Unable to execute this command on a standby MMB.
Failed to execute 'add extended_partition sb' command.
Unable to execute this command because the system is under maintenance.
Unable to execute this command because the Partition#x is under maintenance.
Unable to set configuration because this Extended Partitioning is powered on.
Partition#x is not defined.
The specified [USB1 VGA/USB2 PCI Slot] is not free.
The specified [CPU cores Memory size] is too large.

2.2.41 add extended_partition iou

Resources of the specified IOU are added to specified Extended Partitioning.

This command is not executed when the specified Extended Partitioning is powered on.

This command is not executed when the specified on-board GbE, PCI Express slot and DU are not free.

Nothing is executed, when the specified partition number is not Extended Partitioning.

Privilege: Administrator

(1) Input format

```
add extended_partition iou <IOU#x> <partition#> GBE {quiet}
add extended_partition iou <IOU#x> <partition#> PCISLOT <PCI Slot#> {quiet}
add extended_partition iou <IOU#x> <partition#> DU {quiet}
```

(2) Option

quiet: The command is executed without interacting with the user.

- (3) Usage example
- Example: When on-board GbE of IOU#1 is to be added to Partition#4 in PRIMEQUEST2800E # add extended_partition iou 1 4 GBE

Are you sure to continue adding GbE of IOU#1 to Partition#4? [Y/N] Y Adding GbE of IOU#1 to Partition#4 has been completed successfully.

- #
- Example: When PCI Express slot#1 of IOU#1 is to be added to Partition # 4 in PRIMEQUEST2800E
 # add extended_partition iou 1 4 PCISLOT 1
 Are you sure to continue adding PCI Slot#1 of IOU#1 to Partition#4? [Y/N] Y
 Adding PCI Slot#1 of IOU#1 to Partition#4 has been completed successfully.
 #
- Example: When DU of IOU#1 is to be added to Partition#4 in PRIMEQUEST2800E # add extended_partition iou 1 4 DU Are you sure to continue adding Disk Unit of IOU#1 to Partition#4? [Y/N] Y Adding Disk Unit of IOU#1 to Partition#4 has been completed successfully. #

(4) Message

The following table lists the messages which are displayed in this CLI.

Are you sure you want to add %s to Partition#%d? [Y/N]:
Adding %s to Partition#%d has been completed successfully.
The specified partition number is invalid.
The specified [IOU# PCI Slot#] is invalid.
The specified partition doesn't have IOU#%d.
The specified DU is not connected.
Parameter missing
The specified parameter is invalid.
The specified command is not supported.(error=[%s])
Unable to execute this command on a standby MMB.
Failed to execute 'add extended_partition iou' command.
Unable to execute this command because the system is under maintenance.
Unable to execute this command because the Partition#x is under maintenance.
Unable to set configuration because this Extended Partitioning is powered on.
Partition#x is not defined.
The specified [GbE PCI Slot#x DU] is not free.

2.2.42 add extended_partition pcibox

PCI Express slot of the specified PCI_Box is added to specified Extended Partitioning.

This command is not executed when the specified Extended Partitioning is powered on.

This command is not executed when PCI Express slot of the specified PCI_Box is not free.

Nothing is executed, when the specified partition number is not Extended Partitioning.

Privilege: Administrator

(1) Input format

add extended_partition pcibox <PCIBOX#> <partition#> PCISLOT<PCI Slot#> {quiet}

(2) Option

quiet: This command is executed without interactive operations for user.

- (3) Usage example
 - Example: When PCI Express slot of PCI_Box#1 is to be added to Partition#4 in PRIMEQUEST2800E # add extended_partition pcibox 1 4 PCISLOT 2 Are you sure to continue adding PCISLOT#2 of PCIBOX#1 to Partition#4? [Y/N] Y Adding PCISLOT#2 of PCIBOX#1 to Partition#4 has been completed successfully. #
- (4) Message

The following table lists the messages which are displayed in this CLI.

Are you sure you want to add %s to Partition#%d? [Y/N]:	
Adding %s to Partition#%d has been completed successfully.	
The specified partition number is invalid.	
The specified [PCI_Box# PCI Slot#] is invalid.	
The specified partition doesn't have PCI Box#%d.	
Parameter missing	
The specified parameter is invalid.	
The specified command is not supported.(error=[%s])	
Unable to execute this command on a standby MMB.	
Failed to execute 'add extended partition pcibox' command.	
Unable to execute this command because the system is under maintenance.	
Unable to execute this command because the Partition#x is under maintenance.	
Unable to set configuration because this Extended Partitioning is powered on.	
Partition#x is not defined.	
The specified PCI Slot#x is not free.	

2.2.43 remove extended_partition sb

Resources of the specified SB are removed from the specified Extended Partitioning.

This command is not executed when the specified Extended Partitioning is powered on.

This command is not executed when USB1 of the specified HOME SB, VGA/USB2/rKVMS, PCI Express slot of SB is not included in the partition.

Nothing is executed when the specified partition number is not an Extended Partitioning.

Privilege: Administrator

(1) Input format

```
remove extended_partition sb <partition#> USB1 {quiet}
remove extended_partition sb <partition#> VGAUSB2 {quiet}
remove extended_partition sb <partition#> PCISLOT <SB#> {quiet}
```

(2) Option

quiet: This command is executed without interactive operations for user.

- (3) Usage example
- Example: When USB1 of HOME SB is removed from Partition#4 in PRIMEQUEST 2800E # remove extended_partition sb 4 USB1 Are you sure to continue removing USB1 from Partition#4? [Y/N] Y Removing USB1 from Partition#4 has been completed successfully.
- Example: When VGA/USB2 of HOME SB is removed from Partition #4 in PRIMEQUEST 2800E # remove extended_partition sb 4 VGAUSB2 Are you sure to continue removing VGA/USB2 from Partition#4? [Y/N] Y Removing VGA/USB2 from Partition#4 has been completed successfully. #
- Example: When PCI Express slot of SB#2 is removed from Partition #4 in PRIMEQUEST 2800E # remove extended_partition sb 4 PCISLOT 2 Are you sure to continue removing PCI Slot of SB#2 from Partition#4? [Y/N] Y Removing PCI Slot of SB#2 from Partition#4 has been completed successfully. #

(4) Message

The following table lists the messages which are displayed in this CLI.

Are you sure you want to remove %s from Partition#%d? [Y/N]:
Removing %s from Partition#%d has been completed successfully.
The specified partition number is invalid.
The specified SB number for PCI Slot is invalid.
The specified partition doesn't have [SB#%d SB].
Parameter missing
The specified parameter is invalid.
The specified command is not supported.(error=[%s])
Unable to execute this command on a standby MMB.
Failed to execute 'remove extended_partition sb' command.
Unable to execute this command because the system is under maintenance.
Unable to execute this command because the Partition#x is under maintenance.
Unable to set configuration because this Extended Partitioning is powered on.
Partition#x is not defined.
Partition#x does not include the specified [USB1 VGA/USB2 PCI Slot#x].

2.2.44 remove extended_partition iou

Removed IOU from the Extended Partitioning, in which the specified IOU resource was specified.

When the specified Extended Partitioning is powered on, processing of this command is not executed.

When the specified on-board GbE, PCI Express slot, DU are not included in the partition, the processing of this command is not executed.

When the specified partition number is not an Extended Partitioning, nothing is processed.

Privilege: Administrator

(1) Input format

```
remove extended_partition iou <partition#> GBE {quiet}
remove extended_partition iou <partition#> PCISLOT <PCI Slot#> {quiet}
remove extended_partition iou <partition#> DU {quiet}
```

(2) Option

quiet: This command is executed without interactive operations for user.

- (3) Usage example
- Example: When onboard GbE of IOU#1 with PRIMEQUEST 2800E is removed from Partition#4, #remove extended_partition iou 14GBE Are you sure to continue removing GbE of IOU#1 from Partition#4? [Y/N] Y Removing GbE of IOU#1 from Partition#4 has been completed successfully. #
- Example: When PCI Express slot of IOU#1 with PRIMEQUEST 2800E is removed from Partition#4 # remove extended_partition iou 14PCISLOT 1 Are you sure to continue removing PCI Slot#1 of IOU#1 from Partition#4? [Y/N] Y Removing PCI Slot#1 of IOU#1 from Partition#4 has been completed successfully. #
- Example: When DU of IOU#1 with PRIMEQUEST 2800E is removed from Partition #4 #remove extended_partition iou 1 4 DU Are you sure to continue removing Disk Unit of IOU#1 from Partition#4?[Y/N] Y Removing Disk Unit of IOU#1 from Partition#4 has been completed successfully. #

(4) Message

The following table lists the messages which are displayed in this CLI.

Are you sure you want to remove %s from Partition#%d? [Y/N]:
Removing %s from Partition#%d has been completed successfully.
The specified partition number is invalid.
The specified [IOU# PCI Slot#] is invalid.
The specified partition doesn't have IOU#%d.
The specified DU is not connected.
Parameter missing
The specified parameter is invalid.
The specified command is not supported.(error=[%s])
Unable to execute this command on a standby MMB.
Failed to execute 'remove extended_partition iou' command.
Unable to execute this command because the system is under maintenance.
Unable to execute this command because the Partition#x is under maintenance.
Unable to set configuration because this Extended Partitioning is powered on.
Partition#x is not defined.
Partition#x does not include the specified [GbE PCI Slot#x DU].

2.2.45 remove extended_partition pcibox

Resource of the specified PCI_Box is removed from the specified Extended Partitioning.

When the specified Extended Partitioning is powered on, the processing of this command is not executed.

When the PCI Express slot of the specified PCI_Box is not included in the partition, the processing of this command is not executed.

When the specified partition number is not an Extended Partitioning, nothing is processed.

Privilege: Administrator

(1) Input format

remove extended_partition pcibox <PCIBOX#> <partition#> PCISLOT <SLOT#> {quiet}

(2) Option

quiet: The command is executed without interacting with the user.

(3) Usage example

Example: When PCI Express slot#2 of PCI_Box with PRIMEQUEST 2800E is removed from Partition#4

#remove extended_partition pcibox 1 4 PCISLOT 2
Are you sure to continue removing PCISLOT#2 of PCIBOX#1 from Partition#4? [Y/N] Y
Removing PCISLOT#2 of PCIBOX#1 from Partition#4 has been completed successfully.
#

(4) Message

The following table lists the messages which are displayed in this CLI.

Are you sure you want to remove %s from Partition#%d? [Y/N]:
Removing %s from Partition#%d has been completed successfully.
The specified partition number is invalid.
The specified [PCI_Box# PCI Slot#] is invalid.
The specified partition doesn't have PCI Box#%d.
Parameter missing
The specified parameter is invalid.
The specified command is not supported.(error=[%s])
Unable to execute this command on a standby MMB.
Failed to execute 'remove extended_partition pcibox' command.
Unable to execute this command because the system is under maintenance.
Unable to execute this command because the Partition#x is under maintenance.
Unable to set configuration because this Extended Partitioning is powered on.
Partition#x is not defined.
Partition#x does not include the PCI Slot#x.

2.2.46 hotadd partition

The specified SB or IOU is dynamically added for the specified partition.

- A few minutes are required for the execution of this command.
- The SB parameter specifies physical SB number (It is not logical SB number).
- · The execution of this command cannot be interrupted.
- When the partition will be started next time, the configuration change is reflected even if the command fails.

Privilege: Administrator

(1) Input format

```
hotadd partition <partition#> SB <SB#x> {quiet}
hotadd partition <partition#> IOU <IOU#x> {quiet}
```

(2) Option

quiet: The command is executed without interacting with the user.

```
(3) Usage example
Example: When SB#3 is to be added to Partition#2
# hotadd partition 2 SB 3
Are you sure to continue adding SB#3 to partition#2? [Y/N] Y
DR operation start (1/5)
Assigning SB#3 to partition#2 (2/5)
Testing SB#3 (3/5)
Reconfiguring partition#2 (4/5)
Onlining added Memory/CPU (5/5)
Adding SB#3 to Partition#2 has been completed successfully.
#
Example: When IOU#3 is to be added to Partition#2
```

hotadd partition 2 IOU 3
Are you sure to continue adding IOU#3 to Partition#2? [Y/N] Y
DR operation start (1/3)
Assigning IOU#\$ to partition#\$ (2/3)
Power on IOU#\$(3/3)
Adding IOU#3 to Partition#2 has been completed successfully.
#

(4) Message The following table lists the messages which are displayed in this CLI.

Are you sure to continue adding [SB#%d IOU#%d] to partition#%d? [Y/N]:
DR operation start (1/5)
Assigning SB#%d to partition#%d (2/5)
Testing SB#%d (3/5)
Reconfiguring partition#%d (4/5)
Onlining added Memory/CPU (5/5)
DR operation start (1/3)
Assigning IOU#%d to partition#%d (2/3)
Power on IOU#%d(3/3)
Adding [SB#%d IOU#%d] to partition#%d has been completed successfully.
The specified [SB#%d IOU#%d] is not present.
The specified [SB#%d IOU#%d] is power-on.
The specified Partition#%d is no Home.
Hot-add [SB#%d IOU#%d] failure.
Unable to hot-add SB due to firmware mismatch.
Unable to hot-add SB due to SB revision mismatch.
Unable to hot-add SB due to CPU mismatch.
Unable to hot-add SB due to DIMM mismatch.
Unable to power on the DR test partition.
Unable to power off the DR test partition.
Check DR Unit Error
Unable to onlining the DR target bmc.
Unknown Error Code =0xXX
The specified SB#%d is not supported.
Failed to execute hotadd partition command.
Unable to execute this command on a standby MMB.
Hot-add [SB#%d IOU#%d] failed.
Failed to execute DR operation. Fatal error occurred.
Unable to power on the IOU.
Unable to power on the PCIBox.
Failed to create DR test partition.
Failed to execute DR operation. Partition is stopped.
DR sequence timeout: added SB power on failure
DR sequence timeout: SB hot-add OS failure
DR sequence timeout: SB hot-add request failure
DR sequence timeout: QPI connection failure
BIOS Error Code =0xXX
The specified [SB#%d IOU#%d] is not free or reserved.
DR can't be enabled, because of no DR license
DR feature is disabled.
Unable to execute DR command while other DR command is running
Unable to execute DR command while other DR command is running
Unable to hot-add SB while firmware updating.
Unable to execute DR command because OS is not ready for DR operation

2.2.47 hotremove partition

The specified SB or IOU is removed dynamically from the specified partition.

Privilege: Administrator

(1) Input format

```
hotremove partition <partition#> SB <SB#x> {quiet}
hotremove partition <partition#> IOU <IOU#x> {quiet}
```

(2) Option

quiet: The command is executed without interacting with the user.

- (3) Usage example
 Example: When SB#3 is removed from Partition#2
 # hotremove partition 2 SB 3
 Are you sure to continue removing SB#3 from partition#2? [Y/N] Y
 DR operation start (1/4)
 Offlining removed Memory/CPU (2/4)
 Reconfiguring partition#2 (3/4)
 Releasing SB#3 (4/4)
 Removing SB#3 from partition#2 has been completed successfully.
 #
 - Example: When IOU#3 is removed from Partition#2

hotremove partition 2 IOU 3 Are you sure to continue removing IOU#3 from Partition#2? [Y/N]: Y DR operation start (1/3) Remove IOU#3 (2/3) IOU#3 power-off (3/3) Removing IOU#3 from Partition#2 has been completed successfully.

(4) Message The following table lists the messages which are displayed in this CLI.

Are you sure to continue removing [SB#%d IOU#%d] from Partition#%d? [Y/N]:
DR operation start (1/4)
Offlining removed Memory/CPU (2/4)
Reconfiguring partition#%d (3/4)
Releasing SB#%d (4/4)
DR operation start (1/3)
Remove IOU#%d (2/3)
IOU#%d power-off (3/3)
Removing [SB#%d IOU#%d] from partition#%d has been completed successfully.
The specified [SB#%d IOU#%d] is not present.
The specified [SB#%d IOU#%d] is power-off.
The specified [SB#%d IOU#%d] is not in specified Partition.
The specified SB#%d is home SB.
Unknown Error Code =0xXX
Failed to execute hotremove partition command.
Unable to execute this command on a standby MMB.
Hot-remove [SB#%d IOU#%d] failed.
Failed to execute DR operation. Fatal error occurred.
Failed to execute DR operation. Configuration is unrecovered.
Failed to execute DR operation. Partition is stopped.
The specified IOU#%d has not stopped.
DR sequence timeout: QPI disconnection failure
DR sequence timeout: SB hot-remove OS failure
BIOS Error Code =0xXX
The specified [SB#%d IOU#%d] is free
DR can't be enabled, because of no DR license
DR feature is disabled.
Unable to execute DR command due to previous failure.
Unable to execute DR command while other DR command is running
Unable to hot-remove SB while firmware updating.
Unable to execute DR command because OS is not ready for DR operation
· · ·

2.2.48 pciinfo partition

PCI information on specified IOU is requested to be notified the specified partition.

- A few minutes are required for the execution of this command.
- The execution of this command cannot be interrupted.

Privilege: Administrator

(1) Input format

et]

(2) Option

quiet: The command is executed without interacting with the user.

- (3) Usage example
 - Example: When you specify IOU#3 for Partition#2 # pciinfo partition 2 IOU 3
 - Are you sure to continue updating IOU#3 in Partition#2? [Y/N]: Y

Update IOU#3 PCI information in Partition#2 has been completed successfully. #

(4) Message

The following table lists the messages which are displayed in this CLI.

Are you sure to continue updating IOU#%d to Partition#%d? [Y/N]:
The specified IOU#%d is not present.
The specified IOU#%d is power-off.
The specified IOU#%d is not in specified Partition.
Unknown Error Code =0xXX
Unable to execute this command on a standby MMB.
Failed to execute DR operation. Fatal error occurred.
Failed to execute DR operation. Configuration is unrecovered.
Failed to execute DR operation. Partition is stopped.
BIOS Error Code =0xXX
The specified %s is not added
PCI information update timeout
Update PCI information failure
DR can't be enabled, because of no DR license
DR feature is disabled.
Unable to execute DR command due to previous failure.
Unable to execute DR command while other DR command is running
Unable to execute DR command because OS is not ready for DR operation.

2.2.49 set partition extended_socket_mode

Extended Socket mode of specified Extended Partitioning is set. The default value is disable.

enable: Extended Socket mode is effective. disable: Extended Socket mode invalidity.

Because the setting is restrained when this command is executed for Extended Partitioning that has already done power supply On, the following messages are displayed.

"Unable to change the mode while the partition is running. Please try to change the mode after the partition is shutdown."

When the setting is changed to Extended Partitioning that has already done power supply Off by this command, there is no necessity of off/on of the power supply, and the value set at once without displaying the above-mentioned message is reflected. Moreover, when the value is set to the same value now, the above-mentioned message is not displayed about power supply off/on because it is unnecessary.

Privilege: Administrator, Operator, Partition Operator (Only managed partition)

(1) Input format

set partition extended_socket_mode < Extended Partitioning#> [enable| disable]
{quiet}

(2) Option

quiet: The command is executed without interacting with the user.

- (3) Usage example
 - Example: When you set Extended Socket mode of Extended Partitioning 4 to Enable. # set partition extended_socket_mode 4 enable #

(4) Message

The following table lists the messages which are displayed in this CLI.

The specified partition number is invalid.
The specified command is not supported.(error=[%s])
Unable to execute this command on a standby MMB.
Failed to execute 'set partition extended_soket_mode' command.
Unable to execute this command because the system is under maintenance.
Unable to execute this command because the Partition#x is under maintenance.
Unable to change the mode while the partition is running.
Please try to change the mode after the partition is shutdown.
Unable to execute this command because you have not authority to operate this partition.
Extended Partitioning#x is not defined.
The Extended Partitioning mode cannot be changed while the partition is Dynamic Reconfiguration mode.

2.2.50 set partition extended_socket_zone

Extended Partitioning is set to specified Zone. When none is set to Zone, the Zone setting becomes none.

Privilege: Administrator

(1) Input format

```
set partition extended_socket_zone [ <Zone#> | none ] [<Extended Partitioning#>
[,| -] <Extended Partitioning#> ] {quiet}
```

(2) Option

quiet: The command is executed without interacting with the user.

- (3) Usage example
 - Example:When you set 4 and 5 of Extended Paritioning to Zone 1. # set partition extended_socket_zone 1 4,5 #
- (4) Message

The following table lists the messages which are displayed in this CLI.

The specified partition number is invalid.
The specified command is not supported.(error=[%s])
Unable to execute this command on a standby MMB.
Failed to execute 'set partition extended_soket_zone' command.
Unable to execute this command because the system is under maintenance.
Unable to execute this command because the Partition#x is under maintenance.
Unable to change the mode while the partition is running.
Please try to change the mode after the partition is shutdown.
Unable to execute this command because you have not authority to operate this partition.
Partition#x is not defined.
The Extended Partitioning mode cannot be changed while the partition is Dynamic Reconfiguration mode.

2.2.51 set partition memory_sparing_mode

This command can be set only in case of the PRIMEQUEST 2400E3/2800E3/2400E2/2800E2 models. Rank of Memory Sparing Mode of specified Partition is set.

When this command is used, it is necessary to set Memory Operation Mode to Spare Mode beforehand. The default value is 1Rank.

- 1 : 1 Rank is set.
- 2 : 2 Rank is set.
- auto : Automatic setting.

Because the setting is restrained when this command is executed for partition that has already done power supply On, the following messages are displayed.

"Unable to change the mode while the partition is running. Please try to change the mode after the partition is shutdown."

When the setting is changed to partition that has already done power supply Off by this command, there is no necessity of off/on of the power supply, and the value set at once without displaying the above-mentioned message is reflected. Moreover, when the value is set to the same value now, the above-mentioned message is not displayed about power supply off/on because it is unnecessary.

When the specified partition is an Extended Partition, the error message is displayed, and the operation to the specified partition is restrained.

Privilege: Administrator, Operator, Partition Operator (Only managed partition)

(1) Input format

set partition memory_sparing_mode <Partition#> [1 | 2 | auto] {quiet}

(2) Option

quiet: The command is executed without interacting with the user.

(3) Usage example

Example: When you set Rank of Memory Sparing Mode of Partition 3 to 1. # set partition memory_sparing_mode 3 1

The setting will become effective the next time the partition power off/on is performed

(4) Message

#

The following table lists the messages which are displayed in this CLI.

For details of the messages, see the PRIMEQUEST 2000 Series Message Reference (CA92344-0540).

The specified partition number is invalid. The setting will become effective the next time the partition power off/on is performed. The specified partition number is invalid. The specified parameter is invalid. Unable to register the specified Partition#%d as Mode enable because the CPU mismatch between SBs. Unable to register the specified Partition#%s as Mode enable because of abnormal SB composition. Unable to register the specified Partition#%s as Mode enable because of abnormal SB composition. Unable to execute this command on a standby MMB. Unable to change the mode because Memory Operation Mode is not spare mode. Failed to execute %s command. Failed to execute set partition command. Unable to change the mode while the partition is running. Please try to change the mode after the partition is shutdown. Unable to execute this command because you have not authority to operate this partition.

2.2.52 create raid logical_drive

Creates a logical drive to the specified RAID controller.

Privilege: Administrator, Operator, Partition Operator (Only managed partition)

(1) Input format

```
create raid logical_drive [SB | DU | IOU | PCI_BOX] <UNIT#>-<PCISLOT#>
disk=[<DISKSLOT#>{,<DISKSLOT#>...} | <PORT#>-<CASCADE#>-o<DISKSLOT#>{,<PORT#>-
<CASCADE#>-<DISKSLOT#>...}] level=<RAIDlevel> {spansize=<Span>} {size=<Size>[MB |
GB | TB]} {name="<Name>"} {stripe=<StripeSize>} {init=[no | fast | slow]}
{force}
```

- (2) Option
- disk: This option specifies disk slot numbers for the internal disks (e.g. disk=0,1,2,3) or port number and cascade numbers and disk slot numbers for the external disks on disk enclosures (e.g. disk=0-0-0,0-0-1,1-0-0,1-0-1).

level: This option specifies RAID level from 0, 1, 5, 6 1E, 10, 50 or 60. (ex. level=5).

spansize: This option specifies number of drives per span. If the specified RAIDlevel is neither RAID-50 nor RAID-60, the parameter is meaningless. (ex. spansize=5).

size: This option specifies size of the creation of logical drive. If this parameter is omitted, maximum size will be assigned. (ex. size=512GB).

name: This option specifies name strings of the logical drive. If this parameter is omitted, ""(null) will be set for the name. (ex. name="Logical_Drive_0").

stripe: This option specifies stripe size for the creation of logical drive from 8, 16, 32, 64, 128, 256, 512 or 1024. If this parameter is omitted, 64 will be set. (ex. stripe=1024).

init: This option specifies how you want to initialize the logical drive after the creation. If this parameter is omitted, no initialization will be done. (ex. init=fast).

force: The command is executed without interactive operation with the user.

The mandatory options are "disk" and "level", and the other options are omitted. The following table shows the default values.

Options	Default values			
spansize	If RAID-50 or RAID-60, Span=num of specified drives / 2.			
	Else if RAID-10, Span=2			
	Else, Span=num of specified drives.			
size	maximum possible size			
name	"LogicalDrive_0" (0 is changed corresponding to target ID)			
stripe	64			
init	Fast			

(3) Usage example

Example:When you create a logical drive as RAID level 5 with using disk slot#0,1,2,3 on SB#0. # create raid logical_drive SB 0-0 disk=0,1,2,3 level=5 size=512GB name="Logical_Drive_0" stripe=1024 init=fast force

Example:When you create a logical drive as RAID level 6 with using disk slot#0,1 on disk enclosure 1(port 0 cascade 0) and disk slot#22,23 on disk enclosure 2(port1 cascade0). And these enclosures are attached to RAID card on IOU0-PCI Slot#0

create raid logical_drive IOU 0-0 disk=0-0-0,0-0-1,1-0-0,1-0-1 level=5 size=512GB name="Logical_Drive_0" stripe=1024 init=fast force

(4) Message

The following table lists the messages which are displayed in this CLI.

For details of the messages, see the PRIMEQUEST 2000 Series Message Reference (CA92344-0540).

The command is executed successfully.
The operation is canceled
Too much arguments argc=%d.
Too few arguments argc=%d.
The specified parameter is invalid. %s
Missing mandatory options.
The specified controller is not found.
Port and cascade number is required in the parameter since more than 2 enclosures are connected.
Internal error [%d:%d].
The operation is failed. %s
Unable to execute the command because the %s is under maintenance.
Unable to process raid operation because you have not authority to access to the system assigned to the raid
controller.
Unable to process raid operation because you have not authority to access to the Partition#%d assigned to the
raid controller.

(5) Technical notes

Some policies of logical drive cannot be changed from default value when the logical drive is created. If you want to change these parameter, you should use "modify raid policy" command after created the logical drive. These policies are set default values in the table below

Parameter	Default value	Selectable values
Read Policy	No Read Ahead	No Read Ahead, Read Ahead
Write Policy	Write Back	Write Back, Write Through, Force Write Back
I/O Policy	Direct	Direct, Cached
Access Policy	Read/Write	Read/Write, Read Only, Blocked
Drive Cache	Enable	Unchanged, Enable, Disable

When requesting create raid logical_drive command, the "Internal error [12:0x8017]" or "Internal error [12:0x802f]" might be returned.

In this case, please verify if the expected logical drive is created by issuing "show raid logical_drive" command.

If the expected logical drive is created, ignore the "Internal error".

If the expected logical drive is NOT created, please try "create raid logical_drive" command again.

2.2.53 delete raid logical_drive

Deletes a logical drive to the specified RAID controller.

Privilege: Administrator, Operator, Partition Operator (Only managed partition)

(1) Input format

delete raid logical_drive [SB | DU | IOU | PCI_BOX] <UNIT#>-<PCISLOT#>
target=<TargetID> {force}

(2) Option

target: This option specifies targetID of the logical drive which you want to delete. (ex. target=0). force: The command is executed without interactive operation with the user.

- (3) Usage example
- Example:When you delete a logical drive 0 assigned to a RAID controller on SB#0. # delete raid logical_drive SB 0-0 target=0
- (4) Message

The following table lists the messages which are displayed in this CLI.

The command is executed successfully.
The operation is canceled
Too much arguments argc=%d.
Too few arguments argc=%d.
The specified parameter is invalid. %s
The specified controller is not found.
Internal error [%d:%d].
Unable to execute the command because the system is under maintenance.
Unable to execute the command because the Partition#%d is under maintenance.
Unable to process raid operation because you have not authority to access to the system assigned to the raid controller.
Unable to process raid operation because you have not authority to access to the Partition#%d assigned to the raid controller.

2.2.54 modify raid logical_drive_policy

Modifies policies of the target logica drive.

Privilege: Administrator, Operator, Partition Operator (Only managed partition)

(1) Input format

```
modify raid logical_drive_policy [SB | DU | IOU | PCI_BOX] <UNIT#>-<PCISLOT#>
target=<TargetID> {read=<ReadPolicy>} {write=<WritePolicy>} {io=<IOPoclicy>}
{access=<AccessPolicy>} {cache=<DriveCachePolicy>} {force}
```

(2) Option

target: targetID of the logical drive which has missing drives. (ex. target=0).

- read: This option specifies number of read policy from 0=No read ahead, 1=Read ahead. No read Ahead - To specify that the controller does not use read ahead for the current logical drive. Read Ahead - To allow the controller to read sequentially ahead of requested data and store the additional data in cache memory, anticipating that the data is required soon.
- write: This option specifies number of write policy from 0=Write Back, 1=Write Through, 2=Force Write Back. Write Back - To provide optimal performance, but data loss will occur if there is a power failure and there is no cache battery installed or the battery is failed or discharged.
 - Write Through To eliminate risk of losing cached data in case of power failure. However, it may result in slower performance.
 - Force Write Back The logical drive is in Write Back mode even if the battery is not present; data loss may occur in the event of a power failure.
- io: This option number of IO policy from 0=Direct, 1=Cached.

cache: This option specifies number of drive cache policy from 0=Unchanged, 1=Enable, 2=Disable. force: The command is executed without interactive operation with the user.

- (3) Usage example
 - Example:When you modify a logical drive policy for RAID controller on SB#0. # modify raid logical_drive_policy SB 0-0 target=0 read=0 write=0 io=0 access=0 cache=0
- (4) Message

The following table lists the messages which are displayed in this CLI.

The command is executed successfully.
The operation is canceled
Too much arguments argc=%d.
Too few arguments argc=%d.
The specified parameter is invalid. %s
The specified controller is not found.
Internal error [%d:%d].
The operation is failed. %s
Unable to execute the command because the %s is under maintenance.
Unable to process raid operation because you have not authority to access to the system assigned to the raid
controller.
Unable to process raid operation because you have not authority to access to the Partition#%d assigned to the raid controller.

2.2.55 modify raid logical_drive

Modifies a logical drive to the specified RAID controller.

Privilege: Administrator, Operator, Partition Operator (Only managed partition)

(1) Input format

```
modify raid logical_drive [SB | DU | IOU | PCI_BOX] <UNIT#>-<PCISLOT#>
target=<TargetID> {[disk=<DISKSLOT#>{,<DISKSLOT#>...} | disk=<PORT#>-<CASCADE#>-
<DISKSLOT#>{,<PORT#>-<CASCADE#>-<DISKSLOT#>...}] } {level=<RAIDlevel>} {force}
```

(2) Option

target: This option specifies targetID of the target logical drive which you want to modify. (ex. target=0) disk: This option specifies disk slot numbers for the internal disks (e.g. disk=0,1,2,3) or port number and cascade numbers and disk slot numbers for the external disks on disk enclosures (e.g. disk=0-0-0,0-0-1,1-0-0,1-0-1).

level: This option specifies RAID level from 0, 1, 5, 6 1E, 10, 50 or 60. (ex. level=5).

force: The command is executed without interactive operation with the user.

(3) Usage example

Example: When you modify RAID level of a logical drive to RAID 6 as RAID level migration (RLM) with additional disk attached to slot#3.

modify raid logical_drive SB 0-0 target=0 disk=3 level=6

(4) Message

The following table lists the messages which are displayed in this CLI.

The command is executed successfully.
The operation is canceled
Too much arguments argc=%d.
Too few arguments argc=%d.
The specified parameter is invalid. %s
The specified controller is not found.
Internal error [%d:%d].
The operation is failed. %s
Unable to execute the command because the %s is under maintenance.
Unable to process raid operation because you have not authority to access to the system assigned to the raid
controller.
Unable to process raid operation because you have not authority to access to the Partition#%d assigned to the
raid controller.

2.2.56 create raid global_hotspare

Creates global hotspare drive to the specified RAID controller.

Privilege: Administrator, Operator, Partition Operator (Only managed partition)

(1) Input format

create raid global_hotspare [SB | DU | IOU | PCI_BOX] <UNIT#>-<PCISLOT#>
disk=[<DISKSLOT#> | <PORT#>-<CASCADE#>-<DISKSLOT#>] {force}

(2) Option

disk: This option specifies disk slot numbers for the internal disks (e.g. disk=0) or port number and cascade numbers and disk slot numbers for the external disks on disk enclosures (e.g. disk=0-0-0). force: The command is executed without interactive operation with the user.

- (3) Usage example
 - Example:When you assign a global hotspare to a disk attached to slot#0. # create raid global_hotspare SB 0-0 disk=0
- (4) Message

The following table lists the messages which are displayed in this CLI.

The command is executed successfully.
The operation is canceled
Too much arguments argc=%d.
Too few arguments argc=%d.
The specified parameter is invalid. %s
The specified controller is not found.
Port and cascade number is required in the parameter since more than 2 enclosures are connected.
Internal error [%d:%d].
The operation is failed. %s
Unable to execute the command because the %s is under maintenance.
Unable to process raid operation because you have not authority to access to the system assigned to the raid controller.
Unable to process raid operation because you have not authority to access to the Partition#%d assigned to the raid controller.

2.2.57 create raid dedicated_hotspare

Creates dedicated hotspare drive to the specified RAID controller.

Privilege: Administrator, Operator, Partition Operator (Only managed partition)

(1) Input format

```
create raid dedicated_hotspare [SB | DU | IOU | PCI_BOX] <UNIT#>-<PCISLOT#>
disk=[<DISKSLOT#> | <PORT#>-<CASCADE#>-<DISKSLOT#>]
target=<TargetID#>{,<TargetID#>...} {force}
```

- (2) Option
- disk: This option specifies disk slot numbers for the internal disks (e.g. disk=0) or port number and cascade numbers and disk slot numbers for the external disks on disk enclosures (e.g. disk=0-0-0).
- target: This options specifies targetID array of the logical drive which is target of the dedicated hot-spare. 16 targets are able to be specified in maximum.(ex. target=0)

force: The command is executed without interactive operation with the user.

- (3) Usage example
 - Example:When you assign a dedicated hotspare for the logical drive 0 to a disk attached to slot#0. # create raid dedicated_hotspare SB 0-0 disk=0 target=0
- (4) Message

The following table lists the messages which are displayed in this CLI.

The command is executed successfully.
The operation is canceled
Too much arguments argc=%d.
Too few arguments argc=%d.
The specified parameter is invalid. %s
The specified controller is not found.
Port and cascade number is required in the parameter since more than 2 enclosures are connected.
Internal error [%d:%d].
The operation is failed. %s
Unable to execute the command because the %s is under maintenance.
Unable to process raid operation because you have not authority to access to the system assigned to the raid
controller.
Unable to process raid operation because you have not authority to access to the Partition#%d assigned to the
raid controller.

2.2.58 delete raid hotspare

Deletes global or dedicated hotspare drive to the specified RAID controller.

Privilege: Administrator, Operator, Partition Operator (Only managed partition)

(1) Input format

delete raid hotspare [SB | DU | IOU | PCI_BOX] <UNIT#>-<PCISLOT#>
disk=[<DISKSLOT#> | <PORT#>-<CASCADE#>-<DISKSLOT#>] {force}

(2) Option

disk: This option specifies disk slot numbers for the internal disks (e.g. disk=0) or port number and cascade numbers and disk slot numbers for the external disks on disk enclosures (e.g. disk=0-0-0). force: The command is executed without interactive operation with the user.

- (3) Usage example
 - Example:When you delete a hotspare to a disk attached to slot#0. # delete raid hotspare SB 0-0 disk=0
- (4) Message

The following table lists the messages which are displayed in this CLI.

The command is executed successfully.
The operation is canceled
Too much arguments argc=%d.
Too few arguments argc=%d.
The specified parameter is invalid. %s
The specified controller is not found.
Port and cascade number is required in the parameter since more than 2 enclosures are connected.
Internal error [%d:%d].
The operation is failed. %s
Unable to execute the command because the %s is under maintenance.
Unable to process raid operation because you have not authority to access to the system assigned to the raid controller.
Unable to process raid operation because you have not authority to access to the Partition#%d assigned to the raid controller.

2.2.59 start raid locate_pd

Turns on a location LED of the specified disk.

Privilege: Administrator, Operator, Partition Operator (Only managed partition)

(1) Input format

start raid locate_pd [SB | DU | IOU | PCI_BOX] <UNIT#>-<PCISLOT#>
disk=[<DISKSLOT#> | <PORT#>-<CASCADE#>-<DISKSLOT#>]

- (2) Option
- disk: This option specifies disk slot numbers for the internal disks (e.g. disk=0) or port number and cascade numbers and disk slot numbers for the external disks on disk enclosures (e.g. disk=0-0-0).
- (3) Usage example
- Example:When you turn on a location LED of a disk attached to slot#0. # start raid locate_pd SB 0-0 disk=0
- (4) Message

The following table lists the messages which are displayed in this CLI.

The command is executed successfully.
Too much arguments argc=%d.
Too few arguments argc=%d.
The specified parameter is invalid. %s
The specified controller is not found.
Port and cascade number is required in the parameter since more than 2 enclosures are connected.
Internal error [%d:%d].
The operation is failed. %s
Unable to execute the command because the %s is under maintenance.
Unable to process raid operation because you have not authority to access to the system assigned to the raid controller.
Unable to process raid operation because you have not authority to access to the Partition#%d assigned to the raid controller.

2.2.60 stop raid locate_pd

Turns off a location LED of the specified disk.

Privilege: Administrator, Operator, Partition Operator (Only managed partition)

(1) Input format

stop raid locate_pd [SB | DU | IOU | PCI_BOX] <UNIT#>-<PCISLOT#> disk=[<DISKSLOT#> | <PORT#>-<CASCADE#>-<DISKSLOT#>]

- (2) Option
- disk: This option specifies disk slot numbers for the internal disks (e.g. disk=0) or port number and cascade numbers and disk slot numbers for the external disks on disk enclosures (e.g. disk=0-0-0).
- (3) Usage example
- Example:When you turn off a location LED of a disk attached to slot#0. # stop raid locate_pd SB 0-0 disk=0
- (4) Message

The following table lists the messages which are displayed in this CLI.

The command is executed successfully.
Too much arguments argc=%d.
Too few arguments argc=%d.
The specified parameter is invalid. %s
The specified controller is not found.
Port and cascade number is required in the parameter since more than 2 enclosures are connected.
Internal error [%d:%d].
The operation is failed. %s
Unable to execute the command because the %s is under maintenance.
Unable to process raid operation because you have not authority to access to the system assigned to the raid controller.
Unable to process raid operation because you have not authority to access to the Partition#%d assigned to the raid controller.

2.2.61 start raid locate_ld

Turns on a location LED of disks assigned to the specified logical drive.

Privilege: Administrator, Operator, Partition Operator (Only managed partition)

(1) Input format

start raid locate_ld [SB | DU | IOU | PCI_BOX] <UNIT#>-<PCISLOT#> target=<TargetID>

(2) Option

target: This option specifies targetID of the logical drive where you want to operate LEDs of physical drives assigned. (ex. target=0).

- (3) Usage example
- Example:When you turn on a location LED of a disk assigned to the logical drive#1. # start raid locate_ld SB 0-0 target=1

(4) Message

The following table lists the messages which are displayed in this CLI.

The command is executed successfully.
Too much arguments argc=%d.
Too few arguments argc=%d.
The specified parameter is invalid. %s
The specified controller is not found.
Internal error [%d:%d].
The operation is failed. %s
Unable to execute the command because the %s is under maintenance.
Unable to process raid operation because you have not authority to access to the system assigned to the raid controller.
Unable to process raid operation because you have not authority to access to the Partition#%d assigned to the raid controller.

2.2.62 stop raid locate_ld

Turns off a location LED of disks assigned to the specified logical drive.

Privilege: Administrator, Operator, Partition Operator (Only managed partition)

(1) Input format

stop raid locate_ld [SB | DU | IOU | PCI_BOX] <UNIT#>-<PCISLOT#> target=<TargetID>

(2) Option

target: This option specifies targetID of the logical drive where you want to operate LEDs of physical drives assigned. (ex. target=0).

- (3) Usage example
- Example:When you turn off a location LED of a disk assigned to the logical drive#1. # stop raid locate_ld SB 0-0 target=1

(4) Message

The following table lists the messages which are displayed in this CLI.

The command is executed successfully.
Too much arguments argc=%d.
Too few arguments argc=%d.
The specified parameter is invalid. %s
The specified controller is not found.
Internal error [%d:%d].
The operation is failed. %s
Unable to execute the command because the %s is under maintenance.
Unable to process raid operation because you have not authority to access to the system assigned to the raid controller.
Unable to process raid operation because you have not authority to access to the Partition#%d assigned to the raid controller.

2.2.63 start raid locate_encl

Turns on a location LED of the specified disk enclosure.

Privilege: Administrator, Operator, Partition Operator (Only managed partition)

(1) Input format

```
start raid locate_encl [SB | DU | IOU | PCI_BOX] <UNIT#>-<PCISLOT#> encl=<PORT#>-
<CASCADE#>
```

- (2) Option
- encl: This option specifies port number of the RAID card where the disk enclosure connected. And specify cascade number of the disk enclosure. (ex. encl=0-0).
- (3) Usage example
- Example:When you turn on a location LED of a disk attached to slot#0. # start raid locate_pd SB 0-0 disk=0

(4) Message

The following table lists the messages which are displayed in this CLI.

The command is executed successfully.
Too much arguments argc=%d.
Too few arguments argc=%d.
The specified parameter is invalid. %s
The specified controller is not found.
Port and cascade number is required in the parameter since more than 2 enclosures are connected.
Internal error [%d:%d].
The operation is failed. %s
Unable to execute the command because the %s is under maintenance.
Unable to process raid operation because you have not authority to access to the system assigned to the raid
controller.
Unable to process raid operation because you have not authority to access to the Partition#%d assigned to the
raid controller.

2.2.64 stop raid locate_encl

Turns off a location LED of the specified disk enclosure.

Privilege: Administrator, Operator, Partition Operator (Only managed partition)

(1) Input format

stop raid locate_encl [SB | DU | IOU | PCI_BOX] <UNIT#>-<PCISLOT#> encl=<PORT#><CASCADE#>

(2) Option

- (3) Usage example
- Example:When you turn off a location LED of a disk attached to slot#0. # stop raid locate_pd SB 0-0 disk=0

(4) Message

The following table lists the messages which are displayed in this CLI.

The command is executed successfully.
Too much arguments argc=%d.
Too few arguments argc=%d.
The specified parameter is invalid. %s
The specified controller is not found.
Port and cascade number is required in the parameter since more than 2 enclosures are connected.
Internal error [%d:%d].
The operation is failed. %s
Unable to execute the command because the %s is under maintenance.
Unable to process raid operation because you have not authority to access to the system assigned to the raid controller.
Unable to process raid operation because you have not authority to access to the Partition#%d assigned to the raid controller.

encl: This option specifies port number of the RAID card where the disk enclosure connected. And specify cascade number of the disk enclosure. (ex. encl=0-0).

2.2.65 start raid rebuild

Starts rebuilding the specificed disk.

Privilege: Administrator, Operator, Partition Operator (Only managed partition)

(1) Input format

```
start raid rebuild [SB | DU | IOU | PCI_BOX] <UNIT#>-<PCISLOT#> disk=[<DISKSLOT#>
| <PORT#>-<CASCADE#>-<DISKSLOT#>] {force}
```

(2) Option

disk: This option specifies disk slot numbers for the internal disks (e.g. disk=0) or port number and cascade numbers and disk slot numbers for the external disks on disk enclosures (e.g. disk=0-0-0). force: The command is executed without interactive operation with the user.

- (3) Usage example
- Example:When you start rebuilding a disk attached to slot#0. # start raid rebuild SB 0-0 disk=0
- (4) Message

The following table lists the messages which are displayed in this CLI.

The command is executed successfully.
The operation is canceled
Too much arguments argc=%d.
Too few arguments argc=%d.
The specified parameter is invalid. %s
The specified controller is not found.
Port and cascade number is required in the parameter since more than 2 enclosures are connected.
Internal error [%d:%d].
The operation is failed. %s
Unable to execute the command because the %s is under maintenance.
Unable to process raid operation because you have not authority to access to the system assigned to the raid controller.
Unable to process raid operation because you have not authority to access to the Partition#%d assigned to the raid controller.

2.2.66 cancel raid rebuild

Cancels rebuilding the specificed disk.

Privilege: Administrator, Operator, Partition Operator (Only managed partition)

(1) Input format

cancel raid rebuild [SB | DU | IOU | PCI_BOX] <UNIT#>-<PCISLOT#> disk=[<DISKSLOT#> | <PORT#>-<CASCADE#>-<DISKSLOT#>] {force}

(2) Option

disk: This option specifies disk slot numbers for the internal disks (e.g. disk=0) or port number and cascade numbers and disk slot numbers for the external disks on disk enclosures (e.g. disk=0-0-0). force: The command is executed without interactive operation with the user.

- (3) Usage example
- Example:When you cancel rebuilding a disk attached to slot#0. # cancel raid rebuild SB 0-0 disk=0
- (4) Message

The following table lists the messages which are displayed in this CLI.

The command is executed successfully.
The operation is canceled
Too much arguments argc=%d.
Too few arguments argc=%d.
The specified parameter is invalid. %s
The specified controller is not found.
Port and cascade number is required in the parameter since more than 2 enclosures are connected.
Internal error [%d:%d].
The operation is failed. %s
Unable to execute the command because the %s is under maintenance.
Unable to process raid operation because you have not authority to access to the system assigned to the raid controller.
Unable to process raid operation because you have not authority to access to the Partition#%d assigned to the raid controller.

2.2.67 start raid copyback

Starts copyback to the specificed disk.

Privilege: Administrator, Operator, Partition Operator (Only managed partition)

(1) Input format

```
start raid copyback [SB | DU | IOU | PCI_BOX] <UNIT#>-<PCISLOT#> src=[<DISKSLOT#>
| < PORT#>-<CASCADE#>-<DISKSLOT#>] dist=[<DISKSLOT#> | < PORT#>-<CASCADE#>-
<DISKSLOT#>] {force}
```

- (2) Option
- src: This option specifies disk slot number which is a source of the copy. (ex. src=0) or port number and cascade numbers and disk slot numbers for the external disks on disk enclosures which is a source of the copy. (e.g. src=0-0-0).
- dist: This option specifies disk slot number which is a destination of the copy. (ex. dist=0) or port number and cascade numbers and disk slot numbers for the external disks on disk enclosures which is a destination of the copy. (e.g. dist=0-0-0).

force: The command is executed without interactive operation with the user.

- (3) Usage example
 - Example:When you start coyback from a disk attached to slot#0 to a disk attached to slot#1. # start raid copyback SB 0-0 src=0 dist=1
- (4) Message

The following table lists the messages which are displayed in this CLI.

The command is executed successfully.
The operation is canceled
Too much arguments argc=%d.
Too few arguments argc=%d.
The specified parameter is invalid. %s
The specified controller is not found.
Port and cascade number is required in the parameter since more than 2 enclosures are connected.
Internal error [%d:%d].
The operation is failed. %s
Unable to execute the command because the %s is under maintenance.
Unable to process raid operation because you have not authority to access to the system assigned to the raid controller.
Unable to process raid operation because you have not authority to access to the Partition#%d assigned to the raid controller.

2.2.68 cancel raid copyback

Cancels copyback to the specificed disk.

Privilege: Administrator, Operator, Partition Operator (Only managed partition)

(1) Input format

cancel raid copyback [SB | DU | IOU | PCI_BOX] <UNIT#>-<PCISLOT#> disk=[<DISKSLOT#> | <PORT#>-<CASCADE#>-<DISKSLOT#>] {force}

(2) Option

disk: This option specifies disk slot numbers for the internal disks (e.g. disk=0) or port number and cascade numbers and disk slot numbers for the external disks on disk enclosures (e.g. disk=0-0-0). force: The command is executed without interactive operation with the user.

- (3) Usage example
 - Example:When you cancel copyback to a disk attached to slot#0. # cancel raid copyback SB 0-0 disk=0
- (4) Message

The following table lists the messages which are displayed in this CLI.

The command is executed successfully.
The operation is canceled
Too much arguments argc=%d.
Too few arguments argc=%d.
The specified parameter is invalid. %s
The specified controller is not found.
Port and cascade number is required in the parameter since more than 2 enclosures are connected.
Internal error [%d:%d].
The operation is failed. %s
Unable to execute the command because the %s is under maintenance.
Unable to process raid operation because you have not authority to access to the system assigned to the raid controller.
Unable to process raid operation because you have not authority to access to the Partition#%d assigned to the raid controller.

2.2.69 start raid mdc

Starts make data consistency (MDC) to the specified logical drive.

Privilege: Administrator, Operator, Partition Operator (Only managed partition)

(1) Input format

start raid mdc [SB | DU | IOU | PCI_BOX] <UNIT#>-<PCISLOT#> target=<TargetID>
{force}

(2) Option

target: This option specifies targetID of the logical drive. (ex. target=0). force: The command is executed without interactive operation with the user.

(3) Usage example
 Example:When you start MDC to the logical drive#0.
 # start raid mdc SB 0-0 target=0

(4) Message

The following table lists the messages which are displayed in this CLI.

The command is executed successfully.
The operation is canceled
Too much arguments argc=%d.
Too few arguments argc=%d.
The specified parameter is invalid. %s
The specified controller is not found.
Internal error [%d:%d].
The operation is failed. %s
Unable to execute the command because the %s is under maintenance.
Unable to process raid operation because you have not authority to access to the system assigned to the raid controller.
Unable to process raid operation because you have not authority to access to the Partition#%d assigned to the raid controller.

2.2.70 cancel raid mdc

Cancels make data consistency (MDC) to the specified logical drive.

Privilege: Administrator, Operator, Partition Operator (Only managed partition)

(1) Input format

cancel raid mdc [SB | DU | IOU | PCI_BOX] <UNIT#>-<PCISLOT#> target=<TargetID>
{force}

(2) Option

target: This option specifies targetID of the logical drive. (ex. target=0). force: The command is executed without interactive operation with the user.

(3) Usage example
 Example:When you start MDC to the logical drive#0.
 # start raid mdc SB 0-0 target=0

(4) Message

The following table lists the messages which are displayed in this CLI.

The command is executed successfully.
The operation is canceled
Too much arguments argc=%d.
Too few arguments argc=%d.
The specified parameter is invalid. %s
The specified controller is not found.
Internal error [%d:%d].
The operation is failed. %s
Unable to execute the command because the %s is under maintenance.
Unable to process raid operation because you have not authority to access to the system assigned to the raid controller.
Unable to process raid operation because you have not authority to access to the Partition#%d assigned to the raid controller.

2.2.71 start raid patrol

Starts patrol read to the specified adapter.

Privilege: Administrator, Operator, Partition Operator (Only managed partition)

(1) Input format

start raid patrol [SB | DU | IOU | PCI_BOX] <UNIT#>-<PCISLOT#> {force}

(2) Option

force: The command is executed without interactive operation with the user.

(3) Usage example

Example:When you start patrol read to the adapter attached to SB#0. # start raid patrol SB 0-0

(4) Message

The following table lists the messages which are displayed in this CLI.

The command is executed successfully.
The operation is canceled
Too much arguments argc=%d.
Too few arguments argc=%d.
The specified parameter is invalid. %s
The specified controller is not found.
Internal error [%d:%d].
The operation is failed. %s
Unable to execute the command because the %s is under maintenance.
Unable to process raid operation because you have not authority to access to the system assigned to the raid
controller.
Unable to process raid operation because you have not authority to access to the Partition#%d assigned to the
raid controller.

2.2.72 cancel raid patrol

Cancels patrol read to the specified adapter.

Privilege: Administrator, Operator, Partition Operator (Only managed partition)

(1) Input format

cancel raid patrol [SB | DU | IOU | PCI_BOX] <UNIT#>-<PCISLOT#> {force}

(2) Option

force: The command is executed without interactive operation with the user.

(3) Usage example

Example:When you cancel patrol read to the adapter attached to SB#0. # cancel raid patrol SB 0-0

(4) Message

The following table lists the messages which are displayed in this CLI.

The command is executed successfully.
The operation is canceled
Too much arguments argc=%d.
Too few arguments argc=%d.
The specified parameter is invalid. %s
The specified controller is not found.
Internal error [%d:%d].
The operation is failed. %s
Unable to execute the command because the %s is under maintenance.
Unable to process raid operation because you have not authority to access to the system assigned to the raid
controller.
Unable to process raid operation because you have not authority to access to the Partition#%d assigned to the
raid controller.

2.2.73 make raid online

Makes online the specificed disk.

Privilege: Administrator, Operator, Partition Operator (Only managed partition)

(1) Input format

make raid online [SB | DU | IOU | PCI_BOX] <UNIT#>-<PCISLOT#> disk=[<DISKSLOT#> |
<PORT#>-<CASCADE#>-<DISKSLOT#>] {force}

(2) Option

disk: This option specifies disk slot numbers for the internal disks (e.g. disk=0) or port number and cascade numbers and disk slot numbers for the external disks on disk enclosures (e.g. disk=0-0-0). force: The command is executed without interactive operation with the user.

- (3) Usage example
- Example:When you make online a disk attached to slot#0. # make raid online SB 0-0 disk=0
- (4) Message

The following table lists the messages which are displayed in this CLI.

The command is executed successfully.
The operation is canceled
Too much arguments argc=%d.
Too few arguments argc=%d.
The specified parameter is invalid. %s
The specified controller is not found.
Port and cascade number is required in the parameter since more than 2 enclosures are connected.
Internal error [%d:%d].
The operation is failed. %s
Unable to execute the command because the %s is under maintenance.
Unable to process raid operation because you have not authority to access to the system assigned to the raid controller.
Unable to process raid operation because you have not authority to access to the Partition#%d assigned to the raid controller.

2.2.74 make raid offline

Makes offline the specificed disk.

Privilege: Administrator, Operator, Partition Operator (Only managed partition)

(1) Input format

make raid offline [SB | DU | IOU | PCI_BOX] <UNIT#>-<PCISLOT#> disk=[<DISKSLOT#> | <PORT#>-<CASCADE#>-<DISKSLOT#>] {force}

(2) Option

disk: This option specifies disk slot numbers for the internal disks (e.g. disk=0) or port number and cascade numbers and disk slot numbers for the external disks on disk enclosures (e.g. disk=0-0-0). force: The command is executed without interactive operation with the user.

- (3) Usage example
- Example:When you make offline a disk attached to slot#0. # make raid offline SB 0-0 disk=0
- (4) Message

The following table lists the messages which are displayed in this CLI.

The command is executed successfully.
The operation is canceled
Too much arguments argc=%d.
Too few arguments argc=%d.
The specified parameter is invalid. %s
The specified controller is not found.
Port and cascade number is required in the parameter since more than 2 enclosures are connected.
Internal error [%d:%d].
The operation is failed. %s
Unable to execute the command because the %s is under maintenance.
Unable to process raid operation because you have not authority to access to the system assigned to the raid controller.
Unable to process raid operation because you have not authority to access to the Partition#%d assigned to the raid controller.

2.2.75 replace raid missing_drive

Replaces the disk to the specified logical drive which has missing drive.

Privilege: Administrator, Operator, Partition Operator (Only managed partition)

(1) Input format

replace raid missing_drive [SB | DU | IOU | PCI_BOX] <UNIT#>-<PCISLOT#> disk=[<DISKSLOT#> | <PORT#>-<CASCADE#>-<DISKSLOT#>] target=<TargetID#> {force}

(2) Option

disk: This option specifies disk slot numbers for the internal disks (e.g. disk=0) or port number and cascade numbers and disk slot numbers for the external disks on disk enclosures (e.g. disk=0-0-0). target: This option specifies targetID of the logical drive which has missing drives. (ex. target=0)

force: The command is executed without interactive operation with the user.

- (3) Usage example
 - Example:When you replace a disk attached to slot#0 to the logical drive#0 which has missing drive. # replace raid missing_drive SB 0-0 disk=0 target=0
- (4) Message

The following table lists the messages which are displayed in this CLI.

The command is executed successfully.
The operation is canceled
Too much arguments argc=%d.
Too few arguments argc=%d.
The specified parameter is invalid. %s
The specified controller is not found.
Port and cascade number is required in the parameter since more than 2 enclosures are connected.
Internal error [%d:%d].
The operation is failed. %s
Unable to execute the command because the %s is under maintenance.
Unable to process raid operation because you have not authority to access to the system assigned to the raid controller.
Unable to process raid operation because you have not authority to access to the Partition#%d assigned to the raid controller.

2.2.76 set mmbcontrol reset

Specified MMB is reset.

This command cannot be executed for the maintenance mode period. When issuing this command twice or more consecutively, leave an interval of about 15 minutes between each resetting of MMB.

- 0:MMB#0
- 1 : MMB#1

Privilege: Administrator

(1) Input format

set mmbcontrol reset [0|1] {quiet}

(2) Option

quiet: Command is executed without interacting with the user.

(3) Usage example
 Example:When you reset MMB#1.
 # set mmbcontrol reset 1

(4) Message

The following table lists the messages which are displayed in this CLI.

For details of the messages, see the PRIMEQUEST 2000 Series Message Reference (CA92344-0540).

The specified parameter is invalid. Unable to execute this command on a standby MMB. Unable to execute this command under maintenance.

2.2.77 set mmbcontrol switch_over

Specified MMB is reset. Active/Standby of MMB is switched. This command cannot be executed for the maintenance mode period. This command cannot be executed by one MMB cofiguration. When issuing this command twice or more consecutively, leave an interval of about 15 minutes between each resetting of MMB.

Privilege: Administrator

(1) Input format

set mmbcontrol switch_over {quiet}

(2) Option

quiet: Command is executed without interacting with the user.

(3) Usage example

Example:When you switch Active/Standby. # set mmbcontrol switch_over

(4) Message

The following table lists the messages which are displayed in this CLI.

The specified parameter is invalid.
Unable to execute this command on a standby MMB.
Unable to execute this command under maintenance.

2.2.78 set special_account

This command sets the special account used with LDAP.

One special account can respectively be set to Administrator and CE.

A special account has already been overwrited when having set it.

When a special account of Administrator and CE is not made by this command, the LDAP function cannot be made effective.

It is necessary to make the user-name of a special account of Administrator and CE made by this command by the alias with a local user-name and a global user-name of external LDAP server.

When the LDAP function is invalidated, log in cannot be done in the special account made by this command.

Privilege: Administrator

(1) Input format

```
set special_account <user name> <privilege: [admin | ce] {quiet} <password>
<confirm password>
```

(2) Option

quiet: Command is executed without interacting with the user.

- (3) Usage example
 - Example:When you set a special account of the Admin privilege (The user-name: special_admin). # set special_account special_admin admin Password:***** Confirm Password: *****
 - Example:When you set a special account of the CE privilege (The user-name: special_ce). # set special_account special_ce ce Password:***** Confirm Password: *****

(4) Message

The following table lists the messages which are displayed in this CLI.

For details of the messages, see the PRIMEQUEST 2000 Series Message Reference (CA92344-0540).

The specified parameter is invalid. Unable to execute this command on a standby MMB. Unable to execute this command under maintenance.

2.2.79 set partition pci_ecrc_mode

Enable/disable of ECRC(End-to-End CRC Protection for PCIe IO Subsystem) of the specified partition is set. This function can be available in the PRIMEQUEST 2400E3/2800E3. A set value of default is enable (effective).

enable : ECRC effective disable : ECRC invalidity

This command is executable only for power supply Off of the object partition, and the setting is reflected at the time of power supply On of the partition.

The following messages are displayed when this command is executed for the partition of power supply On and the setting is controlled.

Unable to change the mode while the partition is running. Please try to change the mode after the partition is shutdown.

When the specified partition is an Extended Partition, the error message is displayed, and the operation to the specified partition is controlled.

Privilege: Administrator, Operator, Partition Operator (Only managed partition)

(1) Input format

set partition pci_ecrc_mode <partition#> [enable|disable]

(2) Option

quiet: Command is executed without interacting with the user.

- (3) Usage example
- Example: When you invalidate the ECRC setting of Partition3. # set partition pci_ecrc_mode 3 disable pci_ecrc_mode : disable #
- (4) Message

The following table lists the messages which are displayed in this CLI.

pci_ecrc_mode : enable
pci_ecrc_mode : disable
The specified parameter is invalid.
Unable to execute this command on a standby MMB.
Failed to execute set pci_ecrc_mode command.
Unable to change the mode while the partition is running.
Please try to change the mode after the partition is shutdown.
Unable to execute this command because you have not authority to operate this partition.

2.3 Commands for Display

Command for displaying the information is as follows.

2.3.1 show access_control 2.3.2 show active mmb 2.3.3 show date 2.3.4 show exit_code 2.3.5 show partition configuration 2.3.6 show partition dynamic_reconfiguration 2.3.7 show partition home 2.3.8 show partition lan_device_mode 2.3.9 show partition name 2.3.10 show partition memory_mirror_ras_mode 2.3.11 show partition memory_operation_mode 2.3.12 show partition pci_address_mode 2.3.13 show timezone 2.3.14 show gateway 2.3.15 show gateway_ipv6 2.3.16 show http 2.3.17 show http_port 2.3.18 show https 2.3.19 show https_port 2.3.20 show ip 2.3.21 show ipv6 2.3.22 show hostname 2.3.23 show maintenance_ip 2.3.24 show ssh 2.3.25 show ssh port 2.3.26 show telnet 2.3.27 show telnet_port 2.3.28 show network 2.3.29 show ntpq 2.3.30 who 2.3.31 help 2.3.32 netck traceroute 2.3.33 netck arptbl 2.3.34 netck arping 2.3.35 netck ifconfig 2.3.36 netck stat 2.3.37 show dynamic_reconfiguration status 2.3.38 show partition extended partitioning mode 2.3.39 show partition dimm_excl_mode 2.3.40 show partition skt_binding_mode 2.3.41 show extended_partition configuration 2.3.42 show partition status 2.3.43 show partition extended_socket_mode 2.3.44 show partition extended socket zone 2.3.45 show partition memory sparing mode 2.3.46 show raid adapter 2.3.47 show raid disk_enclosure 2.3.48 show raid physical_drive 2.3.49 show raid physical_drive_count 2.3.50 show raid logical_drive 2.3.51 show raid logical_drive_count 2.3.52 show raid bbu 2.3.53 show special_account 2.3.54 show partition pci_ecrc_mode

2.3.1 show access_control

Setting value of current access control is displayed.

Privilege: Administrator

(1) Input format

show access_control

(2) Option

None

```
(3) Usage example
# Administrator> show access_control
SSH: All
Telnet:All
HTTP:
HTTPS:IP Address: 10.66.250.190: Netmask:24
SNMP: All
#
```

(4) Message

The following table lists the messages which are displayed in this CLI.

For details of the messages, see the PRIMEQUEST 2000 Series Message Reference (CA92344-0540).

The specified command is invalid

2.3.2 show active_mmb

Displays current Active MMB.

Privilege: All

(1) Input format

show active_mmb

(2) Option

None

```
(3) Usage example
#show active_mmb
SSH: AI Active MMB: 11
#
(4) Message
```

None

2.3.3 show date

Displays current date and time.

Privilege: All

(1) Input format

(2) Option

show date

None

(3) Usage example
 #show date
 2009-11-30 11:14:21 JST
 #

 (4) Message

None

2.3.4 show exit_code

Displays the exit code of last execution command.

Privilege: All

(1) Input format

show exit_code

(2) Option

None

```
(3) Usage example 
#power on all 
# 
#show exit_code 
0 
#
(4) Message
```

None

2.3.5 show partition configuration

Displays the SB and IOU included in the partition.

When the specified partition is an Extended Partitioning, an error message is displayed, and the specified partition cannot be operated.

Output Format:

Information related to one partition is displayed in one line. Display contents of each row are as follows.

1st row: Partition number 2nd row: Partition name 3rd row: Home SB (Display in the format of SB#x)

The above mentioned rows are displayed in the ascending order of numbers in the SB, IOU. The Reserved SB is displayed as RSB#x, with "R" in front of SB # x.

Privilege: All

(1) Input format

```
show partition configuration [all | free | <partition#> {[, | -] ¥
<partition#>}]
```

¥: Indicates that there is no line feed.

(2) Option

all: Displays SB/IOU which does not belong to all partitions and to any partition. free: Displays SB/IOU which does not belong to any partition. <partition#>: Displays the specified partition.

The specification method when multiple partitions are specified is as follows.

- The partition number is delimited by a comma and is specified.
- Partition number is specified within the range

Remarks

Specifications of comma-delimited and number range of can be mixed.

- (3) Usage example
- Example: When configuration information of partition of partition number 0~2 with PRIMEQUEST 2800E is displayed

show partition configuration 0-2

0 hogehoge 1 testserver	SB#0 SB#1	SB#0 SB#1	RSB#3 IOU#0	IOU#0
2	SB#2	SB#2	IOU#1	
#				

Example: When all the specifications for the configuration which are the same as the above-mentioned are used

show partition configuration all

0 hogehoge	SB#0	SB#0	RSB#3	IOU#0
1 testserver	SB#1	SB#1	IOU#1	
2	SB#2	SB#2	IOU#2	
3 <since as="" blank="" displayed="" is="" it="" nothing="" registered,=""></since>				
free	U U	IOU#3		
#				

(4) Message

•

The following table lists the messages which are displayed in this CLI.

The specified partition number is invalid.
The specified parameter is invalid.
Unable to execute this command on a standby MMB.
Failed to execute show partition configuration command.

2.3.6 show partition dynamic_reconfiguration

Displays the status of Dynamic Reconfiguration of the specified partition..

Privilege: All

(1) Input format

show partition dynamic_reconfiguration <partition#>

None

(2) Option

(3) Usage example

Example: When the status of Dynamic Reconfiguration of Partition#3 is displayed # show partition dynamic_reconfiguration 3 current: disabled setting: enabled #

(4) Message

The following table lists the messages which are displayed in this CLI.

For details of the messages, see the PRIMEQUEST 2000 Series Message Reference (CA92344-0540).

The specified partition number is invalid. The specified parameter is invalid. Unable to execute this command on a standby MMB. Failed to execute show partition dynamic_reconfiguration command. DR can't be enabled, because of no DR license

2.3.7 show partition home

Displays Home SB of the specified partition.

When the specified partition is an Extended Partitioning, an error message is displayed, and the specified partition cannot be operated.

Privilege: All

(1) Input format

show partition home <partition#>

(2) Option

None

```
    (3) Usage example
    When Home SB of partition 3 is displayed
#show partition home 3
SB#2
#
```

(4) Message The following table lists the messages which are displayed in this CLI.

The specified partition number is invalid.
The specified parameter is invalid.
Unable to execute this command on a standby MMB.
Home SB is not set in Partition#x.
Failed to execute show partition home command.
Partition#x is not defined.

2.3.8 show partition lan_device_mode

Displays the setting (enable/disable) of LAN Device/WOL in IOU unit of the specified partition.

When the specified partition is an Extended Partitioning, an error message is displayed, and the specified partition cannot be operated.

Privilege: All

(1) Input format

show partition lan_devoce_mode <partition#>

(2) Option

None

- (3) Usage example
- Example: When LAN Device Mode of IOU (In example it is IOU#2 or IOU#3) from Partition#3 is displayed #show partition lan_device_mode 3 iou#2: LAN Device: enable WOL: enable

iou#3:LAN Device: disable WOL: disable #

(4) Message

The following table lists the messages which are displayed in this CLI.

The specified partition number is invalid.
The specified parameter is invalid.
Unable to execute this command on a standby MMB.
Failed to execute %s command.
Failed to execute show partition command.

2.3.9 show partition name

Displays the name of the specified partition.

Privilege: All

(2) Option

(1) Input format

show partition name <partition#>

None

 (3) Usage example
 When name of the partition 3 is displayed #show partition name 3 hogehoge #

(4) Message

The following table lists the messages which are displayed in this CLI.

The specified partition number is invalid.		
The specified parameter is invalid.		
Unable to execute this command on a standby MMB.		
Failed to show partition name command.		

2.3.10 show partition memory_mirror_ras_mode

Displays Memory Mirror RAS Mode of the specified partition.

mirror_keep: Sets the Mirror Keep Mode. capacity_keep: Sets the Capacity Keep mode.

Privilege: All

(1) Input format

show partition memory_mirror_ras_mode <partition#>

(2) Option

None

- (3) Usage example
 - Example: When Memory Mirror RAS Mode of partition 3 is displayed #show partition memory_mirror_ras_mode3 current: mirror_keep setting: capacity_keep #

(4) Message

The following table lists the messages which are displayed in this CLI.

The specified partition number is invalid.
The specified parameter is invalid.
Unable to execute this command on a standby MMB.
Failed to execute %s command.
Failed to execute show partition command.
Partition#x is not defined.

2.3.11 show partition memory_operation_mode

Displays the Memory Operation Mode of the specified partition.

performance:Shows the Performance Modenormal:Shows the Normal Modepartial_mirror:Shows the Partial Modefull_mirror:Shows the Full Modespare:Shows the Spare Mode.address_range_mirrorShows the Address Range Mirror Mode (This function can be available in thePRIMEQUEST 2400E3/2800E3)

Privilege: All

(1) Input format

show partition memory_operation_mode <partition#>

(2) Option

- None
- (3) Usage example
 - Example: When Memory Operation Mode of partition#3 is displayed #show partition memory_operation_mode3 current: normal setting: performance #
- (4) Message

The following table lists the messages which are displayed in this CLI.

For details of the messages, see the PRIMEQUEST 2000 Series Message Reference (CA92344-0540).

The specified partition number is invalid. The specified parameter is invalid. Unable to execute this command on a standby MMB. Failed to execute %s command. Failed to execute show partition command. Partition#x is not defined.

2.3.12 show partition pci_address_mode

Displays the PCI Address Mode of the specified partition.

Privilege: All

(2) Option

(1) Input format

show partition pci_address_mode <partition#>

None

 (3) Usage example
 Example: When PCI Address Mode of partition#3 is displayed #show partition pci_address_mode 3 current: bus setting: segment #

(4) Message

The following table lists the messages which are displayed in this CLI.

For details of the messages, see the PRIMEQUEST 2000 Series Message Reference (CA92344-0540).

The specified partition number is invalid.
The specified parameter is invalid.
Unable to execute this command on a standby MMB.
Failed to execute %s command.
Failed to execute show partition command.
Partition#x is not defined.

2.3.13 show timezone

Displays timezone.

- Privilege: All
 - (1) Input format

show timezone

(2) Option

None

(3) Usage example#show timezoneTimezone is set to Asia/Tokyo#

(4) Message

None

2.3.14 show gateway

Displays the IP address of default gateway set to the Management LAN Interface.

Privilege: All
 (1) Input format

```
(2) Option
None
(3) Usage example
# show gateway
Gateway Address: 10.1.2.1
#
(4) Message
```

None

2.3.15 show gateway_ipv6

Displays the IP address of default gateway of IPv6 set to the Management LAN Interface.

Privilege: All

(1) Input format

show gateway_ipv6

(2) Option

None

(3) Usage example# show gateway_ipv6Gateway Address: fe80:: 1234:f3ff:fe03:5666#

(4) Message

None

2.3.16 show http

Displays the status (enable/ disable) of current HTTP.

- Privilege: All
 - (1) Input format

```
show http
         (2) Option
None
         (3) Usage example
# show http
HTTP: disabled
#
         (4) Message
None
```

2.3.17 show http_port

Displays the port to which HTTP session is currently connected.

- **Privilege: All**
 - (1) Input format

show http_port (2) Option None (3) Usage example #show http_port HTTP Port Number: 8081 # (4) Message None

2.3.18 show https

Displays the status (enable/ disable) of current HTTPS server.

Privilege: All

(1) Input format

```
(2) Option
None
(3) Usage example
#show https
HTTPS: disabled
#
(4) Message
None
```

2.3.19 show https_port

Displays the port to which HTTPS is currently connected.

- Privilege: All
 - (1) Input format

show https_port (2) Option None (3) Usage example # show https_port HTTPS Port Number: 432 # (4) Message None

2.3.20 show legacy_tls

Display status (enable/disable) of TLS 1.0/1.1/1.2 connection permission in current HTTPS server. - Enable: Permit HTTPS connection with TLS1.0, TLS1.1, TLS1.2.

- Disable: Permit HTTPS connection with onty TLS1.2

Privilege:All

(1) Input format

show legacy_tls			
None	(2)	Option	
None	(3)	Usage example	
None	(4)	Message	

2.3.21 show ip

Displays the IP address, the net mask set in the management LAN interface.

Privilege: All

(1) Input format

```
show ip
(2) Option
None
(3) Usage example
# show ip
IP Address: 10.1.2.124
Netmask: 255.255.255.0
#
(4) Message
None
```

2.3.22 show ipv6

Displays the global address, the prefix length for IPv6 set in the management LAN interface.

Privilege: All

(1) Input format

sho	show ipv6		
None	(2)	Option	
# show ip IP Addres #		Usage example fix: 2000:2002:2003:2004:2005:2006:2007:2008/64	
None	(4)	Message	

2.3.23 show hostname

Displays host name of MMB.

- Privilege: All
 - (1) Input format

```
show hostname
(2) Option
None
(3) Usage example
# show hostname
HostName: hogehoge.fujitsu.com
#
(4) Message
None
```

2.3.24 show maintenance_ip

Displays the IP address of Maintenance port

- Privilege: All
 - (1) Input format

show maintenance_ip

(2) Option

None

(3) Usage example # show maintenance_ip IP Address: 192.168.1.10 NetMask: 255.255.255.0 Gateway Address: 192.168.1.1 SMTP Address: 172.128.1.2 #

(4) Message

None

2.3.25 show ssh

Displays the status (enable/disable) of existing SSH server.

Privilege: All

(1) Input format

```
(2) Option
None
(3) Usage example
# show ssh
SSH: disabled
#
(4) Message
None
```

2.3.26 show ssh_port

Displays the port where SSH session is currently connected.

- Privilege: All
 - (1) Input format

show ssh_port
(2) Option

None

```
(3) Usage example
# show ssh_port
SSH Port Number: 22
#
```

(4) Message

None

2.3.27 show telnet

Displays the status (enable/disable) of existing Telnet server.

Privilege: All

(1) Input format

```
(2) Option
None
(3) Usage example
# show telnet
Telnet: disabled
#
(4) Message
None
```

2.3.28 show telnet_port

Displays the port to which the Telnet session is currently connected.

- Privilege: All
 - (1) Input format

show telnet_port (2) Option None (3) Usage example # show telnet_port Telnet Port Number: 23 # (4) Message None

2.3.29 show network

Displays the network configuration configured in management LAN interface. Also displays IPv6 information when IPv6 is configured.

Displays the following information.

- Hostname
- IP Address
- Netmask
- Gateway Address
- · IPv6 IP Address /Prefix length
- IPv6 Gateway Address
- MAC Address
- · HTTP status
- HTTP Port Number
- TLS 1.0/1.1
- HTTPS status
- HTTPS Port Number
- · Telnet status
- Telnet Port Number
- SSH status
- SSH Port Number

Privilege: All

(1) Input format

show telnet_port

(2) Option

None

(3) Usage example # show network Hostname:hogehoge.fujitsu.com IP Address:10.1.2.124 Netmask:255.255.255.0 Gateway Address: 10.1.2.1 IPv6 IP Address/Prefix: 2000:2002:2003:2004:2005:2006:2007:2008/64 IPv6 Gateway Address: fe80::1234:f3ff:fe03:5555 MAC Address:00:AA:00:12:34:55 HTTP:disabled HTTP Port Number:8081 TLS1.0/1.1: disabled HTTPS:disabled HTTPS Port Number:432 Telnet:disabled Telnet Port Number:23 SSH:enabled SSH Port Number:22 #

(4)

None

Message

2.3.30 show ntpq

Displays the operating conditions of ntp.

Remarks

Support of IPv4, IPv6

Privilege: All

(1) Input format

show ntr	pq							
(2) None	Option							
(3) # show ntpg	Usage example							
remote	refid	st t	when	poll	reach	delay	offset	jitter
*10.23.4.3 10.49.51.3 LOCAL(0) #	10.0.50.32 .INIT. .LOCL.	4 u 16 u 5 l	882 - 23h	1024 1024 64	377 0 0	0.941 0.000 0.000	-0.154 0.000 0.000	0.284 0.000 0.000

	Description
Item	
Symbols on the top of remote	Meanings of the symbols displayed on the top of a remote are listed below. Blank: reject. It is not referred when request is not attained or the distance is far (the period for to-fro communication to server is more than 16 seconds). x:falsetick. The time, acquired from all other remote servers registered in
	 MMB, deviates (The value of jitter is deviated more than the allowance range of deviation) as compared to the time acquired from more than two remotes. Therefore, it was excluded from the reference list. Falsetick cannot be detected when all the clocks are off. -: outlyer. It is not referred because jitter value of this remote is greater than
	offset of remote during the current synchronization +: candidate. Can be synchronized any time.
	#: selected. It is possible to synchronize but as the distance is far (the to-fro communication period of the server is more than 1 second), it is departed from candidate.
	*: sys.peer. Synchronizing.
remote	Host name ("LOCAL" indicates MMB) referred as NTP Server (Server providing internal clock to other computers trough ntp protocol).
refid	Indicates from where remote synchronizes the time. When it is not clear, 0.0.0.0.
st	A number showing the level of server. Generally, as this number gets larger, the reliability of time gets declined.
t	 Type of remote server 1: Local server. Acquisition of internal clock of MMB (This type is considered only when remote is LOCAL). u: Unicast server. Executes time request for the remote from MMB and
when	acquires the transmitted time. Elapsed time from the time when packet is received for the last time from remote. (Unit: seconds).
poll	Interval to acquire time from remote (Unit: seconds).
reach	Flag of failure and success of time acquisition of past 8 times. (Octal numeral expression).
	The result of failure and success of time acquisition of past eight times is expressed in 8 bits (0: Failure, 1: Success) and it is octal numeral expression. Whenever time is acquired, bits are shifted to the left, the right most bit is the latest result of acquisition. For example, when this value is 356(8) =11, 101, 110(2), the latest acquisition among past eight acquisition results and fourth acquisition failed. If the next time acquisition succeeds, the value becomes 335(8) =11, 011, 101 (2).
delay	Communication time (Unit: milliseconds) pertaining to the network round trip for remote communication.
offset	Time deviation between a remote clock and an internal clock (Unit: milliseconds)
jitter	The error is generated due to the time which is an addition of previously acquired time and interval of poll, and error value of latest time which is actually acquired (Unit: milliseconds), accuracy of respective clocks and the network condition.

TABLE 2.8 Output Items of show ntpq

(4) Message The following table lists the messages which are displayed in this CLI.

The specified parameter is invalid.
Unable to execute this command on a standby MMB.
Failed to ntpg command.

2.3.31 who

Displays the following information regarding the user logged in the current MMB.

- Login name
- Login time
- · Remote host name (or, IP address of remote host)
 - Displays remote host name when the remote host name is recognized by DNS configured in MMB at the time of login. Displays IP address when remote host name is not recognized. Moreover, "-" (Hyphen) is displayed when the user logs in from the serial port. Displays whether the user is connected to the Telnet/SSH, or to the Web-UI, or whether connected to the serial port.

Remarks

Support of IPv4, IPv6

Privilege: All

(1) Input format

who

(2) Option

None

(3) Usage example

who Suzuki 2012-11-08 10:35:51 Telnet/SSH 10.24.6.94 takahashi 2012-11-08 10:38:02 Telnet/SSH 2001:2345::3dfb:dc43:4d75:5a71 tanaka 2012-11-08 10:34:26 WebUI 10.24.6.191

(4) Message

The following table lists the messages which are displayed in this CLI.

For details of the messages, see the PRIMEQUEST 2000 Series Message Reference (CA92344-0540).

Failed to get login information.

2.3.32 help

Displays the help of enabled command.

	Privilege: All
--	----------------

(1) Input format

help)	
None	(2)	Option
Omission	(3)	Usage example

Help of the command that can be used by each authority of the account is displayed.

(4) Message

None

2.3.33 netck traceroute

The network route from the specified IP address to the target host is displayed in the list.

Remarks

Support only IPv4.

- Privilege: All
 - (1) Input format

netck traceroute <ip>

(2) Option

None

(3) Usage example # netck traceroute 10.2.3.4 traceroute to 10.2.3.4 (10.2.3.4), 30 hops max, 40 byte packets 1 10.2.4.1 (10.2.4.1) 0.822 ms 5.142 ms 0.59 ms 2 10.2.5.1 (10.2.5.1) 0.923 ms 0.747 ms 0.679 ms 3 10.2.6.1 (10.2.6.1) 0.955 ms 0.736 ms 0.71 ms 4 10.3.2.1 (10.3.2.1) 1.023 ms 0.861 ms 0.837 ms 5 10.3.2.2 (10.3.2.2) 1.049 ms 0.939 ms 0.887 ms 6 10.2.3.5 (10.2.3.5) 1.285 ms 1.005 ms 0.997 ms 7 10.2.3.4 (10.2.3.4) 0.976 ms 0.828 ms 0.891 ms #

(4) Message

The following table lists the messages which are displayed in this CLI.

For details of the messages, see the PRIMEQUEST 2000 Series Message Reference (CA92344-0540).

The specified parameter is invalid.

(5) Process Executes "traceroute<ip>"

2.3.34 netck arptbl

Displays the physical address (MAC address) of the Ethernet from the specified IP address.

Privilege: All

(1) Input format

netck a	rptbl				
(2) None	Option				
(3) # netck arptbl	Usage example				
IP address 10.1.2.3 #	HW type 0x1	Flags 0x2	HW address 00:21:A1:1A:32:45	Mask *	Device bond0
(4)	Message				

The following table lists the messages which are displayed in this CLI.

For details of the messages, see the PRIMEQUEST 2000 Series Message Reference (CA92344-0540).

The specified parameter is invalid.

(5) Process

Displays only bond 0 of cat/proc/net/arp (Control LAN).

2.3.35 netck arping

Displays the physical address (MAC address) of the Ethernet from the specified IP address.

Remarks

Support only IPv4.

- Privilege: All
 - (1) Input format

netck arping <ip>

(2) Option

None

(3) Usage example
netck arping 10.1.2.3
ARPING to 10.1.2.3 from 10.1.2.33 via bond0
Unicast reply from 10.1.2.3 [0:21:a1:1a:32:45] 1.253ms
Sent 1 probes (1 broadcast(s))
Received 1 reply
#

(4) Message The following table lists the messages which are displayed in this CLI.

For details of the messages, see the PRIMEQUEST 2000 Series Message Reference (CA92344-0540).

The specified parameter is invalid.

(5) Process Executes arping -I bond0 -c 1 <ip>

2.3.36 netck ifconfig

Displays the setting status of (IPv4 or IPv6) network environment.

Privilege: All

(1) Input format

netck ifconfig

(2) Option

None

(3) Usage example

#netck ifconfig bond0 Link encap:Ethernet HWaddr 00:17:42:9B:D9:78 inet addr:10.24.77.80 Bcast:10.24.77.255 Mask:255.255.255.0 inet6 addr:2001:2345::10/64 Scope: Global inet6 addr:fe80::217:42ff:fe9b:d978/64 Scope:Link UP BROADCAST RUNNING MASTER MULTICAST MTU:1500 Metric:1 RX packets:4765 errors:0 dropped:0 overruns:0 frame:0 TX packets:3438 errors:0 dropped:0 overruns:0 carrier:0 collisions:0 txqueuelen:0 RX bytes:637685 (622.7 KiB) TX bytes:1318710 (1.2 MiB) #

(4) Message The following table lists the messages which are displayed in this CLI.

For details of the messages, see the PRIMEQUEST 2000 Series Message Reference (CA92344-0540).

The specified parameter is invalid.

(5) Process Executes "ifconfig bond0"

2.3.37 netck stat

Displays the list of the port number which is used by the process during operation.

Privilege: All

(1) Input format

netck stat (2) Option None (3) Usage example #netck stat Active Internet connections (w/o servers) Recv-Q Send-Q Local Address Proto Foreign Address State tcp 0 0 PRIME123063:telnet 10.1.2.3:4015 TIME_WAIT # (4) Message The following table lists the messages which are displayed in this CLI.

For details of the messages, see the PRIMEQUEST 2000 Series Message Reference (CA92344-0540).

The specified parameter is invalid.

(5) Process

Clears the internal information like Private-LAN etc. from netstat-tuwn.

2.3.38 show dynamic_reconfiguration status

Displays the progress of Dynamic Reconfiguration

Privilege: All

(1) Input format

show dynamic_reconfiguration status

None

(2) Option

(3) Usage example

Example: When SB#3 is to be added to Partition#2 # show dynamic_reconfiguration status Adding SB#3 to Partition#2, running : 35% #

(4) Message

The following table lists the messages which are displayed in this CLI.

Adding SB#%d to Partition#%d, completed
Adding IOU#%d to Partition#%d, completed
Removing SB#%d from Partition#%d, completed.
Removing IOU#%d from Partition#%d completed.
not executed.
The specified partition number is invalid.
The specified parameter is invalid.
Unable to execute this command on a standby MMB.
Failed to show dynamic_reconfiguration status command.
Adding SB#%d to Partition#%d,running xx%
Adding IOU#%d to Partition#%d,running xx%
Adding [SB#%d IOU#%d] to Partition#%d, Failed.
Removing SB#%d from Partition#%d,running xx%
Removing IOU#%d from Partition#%d,running xx%
Removing [SB#%d IOU#%d] from Partition#%d, Falied.

2.3.39 show partition extended_partitioning_mode

Displays the setting (enable/disable) of Extended Partitioning Mode of the specified partition.

When the specified partition is an Extended Partitioning, an error message displays and the specified partition cannot be operated.

Privilege: All

(1) Input format

show partition extended_partitioning_mode <partition#>

(2) Option

None

- (3) Usage example
 - Example: When Extended Partitioning mode of Partition#1 is displayed, # show partition extended_partitioning_mode 1 Partition#1: Extended Partitioning Mode: enable #

(4) Message

The following table lists the messages which are displayed in this CLI.

The specified partition number is invalid.
The specified command is not supported.(error=[%s])
Unable to execute this command on a standby MMB.
Failed to execute 'show partition extended_partitioning_mode' command.
Partition#x is not defined.

2.3.40 show partition dimm_excl_mode

Displays the settings (enable/disable) of DIMM exclusive allocation mode of the specified Extended Partitioning.

When the specified partition is not an Extended Partitioning, an error message is displayed and the specified partition cannot be operated.

Privilege: All

(1) Input format

show partition dimm_excl_mode <partition#>

(2) Option

None

- (3) Usage example
 - Example: When DIMM exclusive binding mode of Partition#4 is displayed, # show partition dimm_excl_mode 4 Partition#4: DIMM excl mode: enable #

(4) Message

The following table lists the messages which are displayed in this CLI.

The specified partition number is invalid.
The specified command is not supported.(error=[%s])
Unable to execute this command on a standby MMB.
Failed to execute 'show partition dimm_excl_mode' command.
Partition#x is not defined.

2.3.41 show partition skt_binding_mode

Displays the settings (enable/ disable) of binding mode except CPU socket of the specified Extended Partitioning.

When the specified partition is not an Extended Partitioning, an error message is displayed and the specified partition cannot be operated.

Privilege: All

(1) Input format

show partition skt_binding_mode <partition#>

(2) Option

None

(3) Usage example

Example: When CPU socket binding mode of Partition#4 is displayed, # show partition skt_binding_mode 4 Partition#4: CPU Socket binding mode: enable #

(4) Message

The following table lists the messages which are displayed in this CLI.

The specified partition number is invalid.	
The specified command is not supported.(error=[%s])	
Unable to execute this command on a standby MMB.	
ailed to execute 'show partition skt_binding_mode' command.	
Partition#x is not defined.	

2.3.42 show extended_partition configuration

Displays SB, IOU and PCI_Box included in Extended Partitioning.

When the specified partition is not an Extended Partitioning, an error message is displayed and the specified partition cannot be operated.

Output Format:

The information relates to one partition is displayed in one line. The display contents of each line are as follows.

First line:	Partition Number
Second line:	Partition Name
Third line:	CPU core number
Fourth line:	Memory size (in GB unit)
Fifth line onwar	ds: The contents are displayed in the order of CPU core number, USB1, VGA/USB2,
	DU, On-board GbE and PCI Express slot which are included in targeted partition.
	DU and On-board GbE displays in the ascending order of IOU.
	PCI Express slot displays in the order of SB, IOU and PCI_Box.

Privilege: All

(1) Input format

```
show extended_partition configuration [all | free | <partition#> {[, | -]
<partition#>}]
```

- (2) Option
- all: Displays all the partitions and the resources of the SB/IOU/ PCI_Box which does not belong to any of the partitions.

free: Displays the resources of SB/IOU/ PCI_Box which does not belong to any of the partitions. cpartition#>: Displays the information for the specified partition.

The specification method while specifying multiple partitions are as follows.

- Specifies Partition numbers by delimiting with comma
- Specifies with the range of partition number

Remarks

Specifications of comma delimiter or number range can be mixed.

- (3) Usage example
 - Example: When the partition configuration information of Partition 4~5 is displayed in PRIMEQUEST 2800E

show extended_partition configuration 4-5

4 Web front 1	8CPU	512GB	USB1	GbE(IOU#1)
	PCISLOT(SI	B#1 IOU#1{1} PCI	BOX#0{1 4})	. ,
5 Web front 2	6CPU	1024GB	VGA/USB2	DU(IOU#1)
	PCISLOT(IC	U#1{3} PCIBOX#	D{0 3})	
#				

Example: When 'all' specification is used for the configuration same as above # show extended_partition configuration all

4 Web front 1	8CPU	512GB	USB1	GbE(IOU#1)
	PCISLOT(SB#1	IOU#1{1} PCIBO>	(#0{1 4})	
5 Web front 2	6CPU	1024GB	VGA/USB2	DU(IOU#1)
		{3} PCIBOX#0{0	3})	
	since nothing is re			
	since nothing is re	•		
	since nothing is re	•		
	since nothing is re	0		
	/ since nothing is r	0		
11 <blank display<="" td=""><td>/ since nothing is r</td><td>registered></td><td></td><td></td></blank>	/ since nothing is r	registered>		
#				

(4) Message

•

The following table lists the messages which are displayed in this CLI.

The specified partition number is invalid.
The specified parameter is invalid.
The specified command is not supported.(error=[%s])
Unable to execute this command on a standby MMB.
Failed to execute 'show partition extended_partition configuration' command.
Partition#x is not defined.

2.3.43 show partition status

Displays State of the power supply and status (System Progress) of Partition.

Output Format:

The information relates to one partition is displayed in one line. The display contents of each line are as follows.

First line: Second line:	Partition Number Physical Partition Information - "P" indicating Physical Partition of the parent is displayed in Physical Partition where setting of Extended Partitioning Mode is enable. - "-" is displayed in Physical Partition where setting of Extended Partitioning Mode is disable.
	- Parents' Physical Partition numbers are displayed for Extended Partitioning.
Third line:	Partition Name
Fourth line:	Power Status of partition
	- On
	- Standby
Fifth line onwards:	System Progress of partition
	- Power Off
	- Power On In Progress
	- Reset
	- EFI
	- Boot
	- OS Running
	- OS Shutdown
	- Panic
	- Power Off In Progress
	- Fatal
	- Dumping
	- Halt
	Extended Dortitioning Dunning

- Extended Partitioning Running

Privilege: All

(1) Input format

show partition status [all	<pre> <partition#> {[, -]</partition#></pre>	<partition#>}]</partition#>
----------------------------	-------------------------------------------------	-----------------------------

- (2) Option
- all: Displays all the partitions.

<partition#>: Displays the information for the specified partition.

The specification method while specifying multiple partitions are as follows.

- · Specifies Partition numbers by delimiting with comma
- Specifies with the range of partition number

Remarks

Specifications of comma delimiter or number range can be mixed.

- (3) Usage example
 - Example: When 'all' specification is used for the status in PRIMEQUEST 2800E3/2800E2/2800E # show partition status all
 - 0 P hogehoge On Extended Partitioning Running
 - 1 testserver Standby Power Off
 - 2 part2 On EFI
 - 4 0 Expar4 On Reset
 - 5 0 test5 Standby Power Off
 - Example: When partition number 0~2 is used for the status same as above # show partition status 0-2
 - 0 P hogehoge On OS Running
 - 1 testserver Standby Power Off
 - 2 part2 On EFI #

(4) Message

The following table lists the messages which are displayed in this CLI.

For details of the messages, see the PRIMEQUEST 2000 Series Message Reference (CA92344-0540)..

The specified partition number is invalid.
The specified parameter is invalid.
Unable to execute this command on a standby MMB.
Failed to execute show partition status command.

2.3.44 show partition extended_socket_mode

Displays the settings (enable/disable) of of Extended Socket mode of specified Extended Partitioning.

Privilege: All

(1) Input format

show partition extended_socket_mode <Extended Partitioning#>

(2) Option

None

- (3) Usage example
 - Example: When you display Extended Socket mode of Extended Partitioning 4, # show partition extended_socket_mode 4 Extended Socket Mode: enable #

(4) Message

The following table lists the messages which are displayed in this CLI.

The specified partition number is invalid.		
The specified command is not supported.(error=[%s])		
Unable to execute this command on a standby MMB.		
Failed to execute 'show partition extended_socket_mode' command.		
Extended Partitioning#x is not defined.		

2.3.45 show partition extended_socket_zone

Displays the The setting of Extended Socket Zone.

Output Format:

The information relates to one Extended Partitioning is displayed in one line. The display contents of each line are as follows.

First line:	Extended Partitioning number
Second line:	Physical Partition number
Third line:	Power Status (On/Standby)
Fourth line:	Extended Socket Modesetting(enable/disable)
Fifth line:	Zone number

Privilege: All

(1) Input format

show partition extended_socket_zone

(2) Option

None

- (3) Usage example
 - Example:Extended Socket Zone is displayed. # show partition extended_socket_zone

4	0	Standby	enable	0
5	0	On	enable	0
6	0	On	disable	none
7	0	Standby	disable	none
8	2	On	disable	none
9	2	On	enable	1
10	3	On	enable	3
11	3	On	enable	3
#				

(4) Message

The following table lists the messages which are displayed in this CLI.

The specified partition number is invalid.	
The specified command is not supported.(error=[%s])	
Unable to execute this command on a standby MMB.	
Failed to execute 'show partition extended_socket_zone' command.	
Extended Partitioning#x is not defined.	

2.3.46 show partition memory_sparing_mode

This command can be display only in case of the PRIMEQUEST 2400E3/2800E3/2400E2/2800E2 models. Displays the settings Rank of Memory Sparing Mode of specified partition.

Privilege: All

(1) Input format

show partition memory_sparing_mode <Partition#>

(2) Option

None

 (3) Usage example
 Example: When you display Rank of Memory Sparing Mode of Partitioning 3, # show partition memory_sparing_mode 3 current: 1 setting: 1 #

(4) Message

The following table lists the messages which are displayed in this CLI.

The specified partition number is invalid.
The specified parameter is invalid.
Unable to execute this command on a standby MMB.
Failed to execute %s command.
Failed to execute show partition command.
Partition#x is not defined.

2.3.47 show raid adapter

Displays RAID adapter information.

- Privilege: All
 - (1) Input format

```
show raid adapter {[SB | DU | IOU | PCI_BOX] <UNIT#>-<PCISLOT#>} {[supported-
raid-level | mfg-data | settings | log]}
```

(2) Option

•

supported-raid-level: This option shows supported raid level for the specify RAID adapter. mfg-data: This option shows manufacturer data for the specify RAID adapter. settings: This option shows an adapter firmware settings for the specify RAID adapter. log: This option shows an adapter firmware log for the specify RAID adapter.

- (3) Usage example
 - Example: When you display RAID adapter list. # show raid adapter

 	-		
Location	Product Name	Serial number	FW version
SB 0-0	FTS RAID Ctrl SAS 6G 1GB (D3116C)	0000000041232964	23.9.0-0029
DU 0-0	FTS RAID Ctrl SAS 6G 1GB (D3116C)	0000000041432879	23.9.0-0029
DU 0-1	FTS RAID Ctrl SAS 6G 1GB (D3116C)	000000041433203	23.9.0-0029
IOU 2-3	LSI MegaRAID SAS 9286CV-8e	SV225P2246	23.9.0-0029
PCIBox 1-8	LSI MegaRAID SAS 9286CV-8e	SV225P2374	23.9.0-0029

Example: When you display the RAID adapter on SB#0.

# show raid adapter SB 0-0	
----------------------------	--

FTS RAID Ctrl SAS 6G 1GB (D3116C)
000000041232964
8
SAS600
1000/005B
1734/11E4
23.9.0-0029
32 KB
1024 MB
16 MB
49 deg C

(4) Message The following table lists the messages which are displayed in this CLI.

No controller is available.
Too much arguments argc=%d.
Too few arguments argc=%d.
The specified parameter is invalid. %s
The specified controller is not found.
Internal error [%d:%d].
The operation is failed. %s
Unable to execute the command because the %s is under maintenance.

2.3.48 show raid disk_enclosure

Displays disk enclosures information attached to the specified RAID adapter.

Privilege: All

(1) Input format

```
show raid disk_enclosure [IOU | PCI_BOX] <UNIT#>-<PCISLOT#> {encl=<Port#>-
<Cascade#>}
```

(2) Option

encl: This option specifies port number and cascade number for the target disk enclosure. (ex. encl=0-0).

- (3) Usage example
 - Example: When you display disk enclosures attached to the RAID adapter on IOU#2-PCI slot#3. # show raid disk_enclosure IOU 2-3

Port	Cascade	Vendor	Product	Туре
0	0	FUJITSU	JX40	0302
0	1	FUJITSU	JX40	0302
1	0	FUJITSU	JX40	0302
1	1	FUJITSU	JX40	0302

 Example: When you display the disk enclosure attached to port#0-cascade#0 of RAID adapter on IOP#2-PCI slot#3.
 # show raid disk, enclosure IOLL2-3 encl=0-0.

# show raid disk_enclosure IOU	2-3 encl=0-0
Product Name:	FUJITSU ETERNUS JX40
Status:	ОК
Vendor:	FUJITSU
Product:	JX40
Port number:	0
Cascade:	1
DeviceID:	48
SAS address:	51463080001ABC3E
Firmware version:	0302

(4) Message

The following table lists the messages which are displayed in this CLI.

No enclosure is connected to the controller.
Too much arguments argc=%d.
Too few arguments argc=%d.
The specified parameter is invalid. %s
The specified controller is not found.
The specified enclosure is not connected.
Internal error [%d:%d].
The operation is failed. %s
Unable to execute the command because the %s is under maintenance.

2.3.49 show raid physical_drive

Displays disk information attached to the specified RAID adapter.

Privilege: All

(1) Input format

```
show raid physical_drive [SB | DU | IOU | PCI_BOX] <UNIT#>-<PCISLOT#>
{disk=[<DISKSLOT#> | <PORT#>-<CASCADE#>-<DISKSLOT#>]} {action-progress}
```

(2) Option

disk: This option specifies disk slot number (ex. disk=0) or port, cascade and slot number. (ex. disk=0-0-0). action-progress: This option shows action progress for the specify disk.

- (3) Usage example
 - Example: When you display disk list attached to the RAID adapter on SB#0. # show raid physical drive SB 0-0

Slot	Status	Interface	Туре	Vendor	Product	Capacity	Action in progress
0	Operational	SAS	HDD	FUJITSU	MBD2300RC	300 GB	-
1	Operational	SAS	HDD	FUJITSU	MBD2300RC	300 GB	-
3	Available	SAS	SSD	SEAGATE	ST9146802SS	146 GB	-

Example: When you display the disk on slot#1 on SB#0. # show raid physical_drive SB 0-0_disk=1

U-U disk=1
1
Operational
No
SAS
SAS
6.0Gb/s
6.0Gb/s
HDD
FUJITSU
MBD2300RC
5201
D0A7PA303NMF
300 GB
300 GB
500000E114722F42
Active
-

(4) Message

The following table lists the messages which are displayed in this CLI.

For details of the messages, see the PRIMEQUEST 2000 Series Message Reference (CA92344-0540)..

No physical drive is connected to the controller.
Too much arguments argc=%d.
Too few arguments argc=%d.
The specified parameter is invalid. %s
The specified controller is not found.
Port and cascade number is required in the parameter since more than 2 enclosures are connected.
Internal error [%d:%d].
Unable to execute the command because the system is under maintenance.
Unable to execute the command because the Partition#%d is under maintenance.

2.3.50 show raid physical_drive_count

Displays disk counts attached to the specified RAID adapter.

Privilege: All

(1) Input format

```
show raid physical_drive_count [SB | DU | IOU | PCI_BOX] <UNIT#>-<PCISLOT#>
{encl=<Port#>-<Cascade#>}
```

(2) Option

encl: This option specifies port, cascade and slot number for the target disk enclosure. (ex. encl=0-0).

- (3) Usage example
 - Example: When you display disk count attached to the RAID adapter on SB#0. # show raid physical_drive_count SB 0-0 3
- Example: When you display disk count in the disk enclosure port#0-cascade#0 attached to the RAID adapter on IOU#0-PCI slot#1. # show raid physical_drive_count IOU 0-1 encl 0-0 24

(4) Message

The following table lists the messages which are displayed in this CLI.

Too much arguments argc=%d.
Too few arguments argc=%d.
The specified parameter is invalid. %s
The specified controller is not found.
Internal error [%d:%d].
The operation is failed. %s
Unable to execute the command because the %s is under maintenance.

2.3.51 show raid logical_drive

Displays logical drive information attached to the specified RAID adapter.

Privilege: All

(1) Input format

show raid logical_drive [SB | DU | IOU | PCI_BOX] <UNIT#>-<PCISLOT#>
{target=<Target#>} {action-progress}

(2) Option

target: This option specifies target id (ex. target=0)

action-progress: This option shows action progress for the specify logical drive.

- (3) Usage example
 - Example: When you display logical drive list attached to the RAID adapter on SB#0. # show raid logical_drive SB 0-0

Target Id	Status	Name	Size	RAID	Action in progress
0	Operational	RHEL7	136.00 GB	RAID-0	-
1	Operational	WS2012R2	278.00 GB	RAID-1	Back ground initialization

Example: When you display the logical drive#1 on SB#0.

# show raid logical_drive SB 0-0 ta			arget=1					
Target ID:			1					
	Status:			Operational				
	Name:			WS2012	WS2012R2			
	RAID le	vel:		RAID-1	RAID-1			
	Strip siz	e		64K				
	Logical	size		278.00 G	βB			
	Read m	ode		Read-ahead				
	Write m	ode:		Write-back				
	Cache mode:		Direct					
	Disk cache mode:		Disabled					
	Background initialization:		Enabled					
	Action in progress		Back ground initialization					
	Configured drives:							
Slot Span Start blog		ck	Length[Blocks]	Length[MB/GB]				
	1 0 0			584843264	285568/278			
2 0 0				584843264	285568/278			

(4) Message

The following table lists the messages which are displayed in this CLI.

For details of the messages, see the PRIMEQUEST 2000 Series Message Reference (CA92344-0540)..

No logical drive is assigned to the controller.
Too much arguments argc=%d.
Too few arguments argc=%d.
The specified parameter is invalid. %s
The specified controller is not found.
Internal error [%d:%d].
The operation is failed. %s
Unable to execute the command because the %s is under maintenance.

2.3.52 show raid logical_drive_count

Displays logical drive counts attached to the specified RAID adapter.

Privilege: All

(1) Input format

show raid logical_drive_count [SB	DU IOU	PCI_BOX] <unit#>-<pcislot#></pcislot#></unit#>	
-----------------------------------	--------	------------------------------------------------	--

(2) Option

None.

- (3) Usage example
 - Example: When you display logical drive count attached to the RAID adapter on SB#0. # show raid logical_drive_count SB 0-0 2

(4) Message

The following table lists the messages which are displayed in this CLI.

Too much arguments argc=%d.
Too few arguments argc=%d.
The specified parameter is invalid. %s
The specified controller is not found.
Internal error [%d:%d].
The operation is failed. %s
Unable to execute the command because the %s is under maintenance.

2.3.53 show raid bbu

Displays FBU information attached to the specified RAID adapter.

Privilege: All

(1) Input format

sho	ow ra	id bbu [SB DU IO	U PCI_BOX] <unit#>-<pcislot#></pcislot#></unit#>
one	(2)	Option	
	(3) •	Usage example Example: When you displ # show raid bbu SB 0-0	ay FBU information on SB#0.
		Status:	Normal
		Туре:	FBU
		Vendor:	LSI
		Manufacturer date:	03/21/2012
		Intelligent BBU:	Yes
		Auto learn mode:	Transparent
		Next learn time:	Thu 17 Jul 2014 01:09:23 PM
		Auto learn period:	28 Days
		Design voltage:	9.411 V
		Voltage:	9.518 V
		Temperature:	27 deg C
		Design capacity:	283 J
		Remaining capacity:	321 J
		Capacitance:	100 %
ne follo	(4) owing ta	Message able lists the messages wh	ich are displayed in this CLI.
	-	-	MEQUEST 2000 Series Message Reference (CA92344-0540)
No	logica	drive is assigned to the co	ontroller.
-		arguments argc=%d.	
To	o few a	rguments argc=%d.	

The specified parameter is invalid. %s

The specified controller is not found.

Internal error [%d:%d].

The operation is failed. %s

Unable to execute the command because the %s is under maintenance.

2.3.54 show special_account

Displays the registered special account used with LDAP.

Privilege: Administrator

(1) Input format

show special_account

(2) Option

- (3) Usage example
 Example: When a special account is set.
 # show special_account
 Admin: special_admin
 CE : special_ce
 #
- Example: When a special account is not set.
 # show special_account
 Admin: CE : #
- (4) Message

None

None

2.3.55 show partition pci_ecrc_mode

Displays a setting of ECRC of the specified partition enable/disable. This function can be available in the PRIMEQUEST 2400E3/2800E3.

enable : ECRC effective disable : ECRC invalidity

- Privilege: All
 - (1) Input format

show partition pci_ecrc_mode <partition#>

(2) Option

None.

- (3) Usage example
- Example: When you display the ECRC setting of Partition2. # show partition pci_ecrc_mode 2 pci_ecrc_mode : enable #

(4) Message

The following table lists the messages which are displayed in this CLI.

The specified partition number is invalid.
The specified parameter is invalid.
Unable to execute this command on a standby MMB.
Failed to execute %s command.
Failed to execute show partition command.
Partition#x is not defined.

2.4 Update Command

Update Commands are as follows.

2.4.1 Update ALL 2.4.2 show update_status

This section describes operation procedure of these commands.

2.4.1 Update ALL

The update ALL command batch-downloads firmware from the specified URL and updates the MMB, BMC, and BIOS with the downloaded firmware.

Specify the URL as follows:

http://host/path/file ftp://host/path/file

The update sequence is as follows:

- (1) MMB firmware update (standby)
- (2) MMB firmware update (active)
- (3) BMC firmware update
- (4) BIOS firmware update

You can check the progress by using the show update_status command.

Note

If the MMB or SB is faulty, perform maintenance on it before updating the firmware. Do not update the firmware in a configuration with a faulty MMB or SB.

Privilege: Administrator or CE

(1) Input format

update ALL <url> {force} {quiet}

(2) Option

force: This option forcibly updates the firmware based on the applicable general firmware version. quiet: This option updates the firmware without user interaction.

(3) Usage example# update ALL http://host/path/allfirm001Downloading an unified firmware file.....Extracting an unified firmware file....

Current Unified Firmware Version: xxxxx New Unified Firmware Version: yyyyy

Are you sure to continue Firmware Update? [Y|N]: Y #

(4) Message

The following table lists the messages which are displayed in this CLI.

For details of the messages, see the PRIMEQUEST 2000 Series Message Reference (CA92344-0540).

Are you sure to continue Firmware Update? [Y N]:
The specified parameter is invalid
Unable to execute this command on a standby MMB.
Failed to get the firmware version.
The checksum of the firmware file is invalid.
The size of the firmware file is invalid.
The CRC of the firmware file is invalid.
Specified file is NOT a Firmware file.
Specified host does NOT respond.
Unable to execute the update under maintenance.
Current firmware is newer version.
Unable to execute the online update.
Please try the update after the system power off.
Unable to execute the update. TPM is effective.
Unable to execute the update. Standby MMB is fault or disable.
Unable to execute Firmware Update due to resource lock.
Please retry after waiting a while.
The firmware is being updated now.
The chassis information could not be retrieved.
The chassis information is invalid.

(5) Process

MMB checks whether the firmware update of online is executable. When it is not possible to execute it, the error message is output and the update processing is interrupted.

- The condition that firmware update of online becomes improper:
 - MMB is an unredundant configuration.
 - There is no combination in the interchangeability table between the farm version numbers that can be updated firmware online.
- Without the force option specified:

The general firmware version to be applied is compared with that in use. If the version to be applied is the same or older than that in use, the command does not update the firmware. Also, the versions of the individual firmware instances are checked. If the version to be applied is the same as that of a firmware instance, the command does not update the firmware instance. In other words, the command updates the firmware instance only if the versions are different.

With the force option specified:

The general firmware version to be applied is not compared with that in use. The command forcibly updates the current firmware with the applicable firmware version. The online firmware update cannot specify force for an option.

2.4.2 show update_status

The show update_status command displays the version of the firmware being batch-updated as well as the update progress.

The possible status is as follows:

- completed: Normal end
- failed: Abnormal end
- updating: Firmware update in progress (percentage displayed)
- being updated: Firmware update in progress (firmware being downloaded)
- not executed: Firmware update not started

Privilege: Administrator or CE

(1) Input format

show update_status

(2) Option

None

(3) Usage example#show update_statusUnified Firmware Version : BA13012, update status:updating 35%#

(4) Message

The following table lists the messages which are displayed in this CLI.

For details of the messages, see the PRIMEQUEST 2000 Series Message Reference (CA92344-0540).

Unified Firmware Version : XX, update status:completed Unified Firmware Version : XX, update status:not executed Unable to execute this command on a standby MMB. Failed to execute show update_status command. Unified Firmware Version : XX, update status:being updated Unified Firmware Version : XX, update status:updating YY% Unified Firmware Version : XX, update status:failed

2.5 Other Commands

The following commands are not information configuration, display, or update commands:

```
2.5.1 exit
2.5.2 passwd
2.5.3 ping
```

This section describes how to use these commands.

2.5.1 exit

The exit command logs out the user.

	Privilege:	All
--	------------	-----

(1) Input format

exit	exit			
None	(2)	Option		
None	(3)	Usage example		
None	(4)	Message		

2.5.2 passwd

The passwd command changes the password of the specified user. Users without Administrator privileges can change only their own passwords. Users with Administrator privileges can change the password of any user.

If no user is specified, the command changes the password of the currently logged-in user.

For details on characters that can be entered and other conditions, see TABLE 1.87 Display Items and Setting Items in [Mode] Window.

Privilege: All

(1) Input format

passwd {USER}

(2) Option

USER: This option sets the name of the user whose password is to be changed.

(3)	Usage example
# pa	sswd
	ent password: ************
New	password: ****************
Re-e	enter new password: ************************************
Pass	sword changed.
#	-

(4) Message

The following table lists the messages which are displayed in this CLI.

This command cannot be executed on the standby MMB.
The specified parameter is invalid.
Password changed.
change passwd failed (code=0x%04x)
Could not set attributes
invalid passwd
password needs 8 characters at least
password needs 32 characters or less
Failed to the password authentication.
New password differs from Re-enter new password.

2.5.3 ping

The ping command sends an ICMP echo message to the recipient identified by <IP address> or <server name>.

Remarks

Supported only for IPv4.

- Privilege: All
 - (1) Input format

ping {-c <count> } [<IP address>|<server name>]

(2) Option

-c <count>: This option ends the command after sending a certain number <count> of packets. The default is 1.

(3) Usage example None

(4) Message

The following table lists the messages which are displayed in this CLI.

For details of the messages, see the PRIMEQUEST 2000 Series Message Reference (CA92344-0540).

The specified parameter is invalid.

If the parameter specification is incorrect, an ICMP ping error message may appear since ping in ICMP is used.

2.6 PRIMEQUEST 2800B3/2800B2/2800B model Commands

2.6.1 PRIMEQUEST 2800B3/2800B2/2800B model CLI command list

This chapter describes the functions of the PRIMEQUEST 2800B3/2800B2/2800B model CLI commands. Follow Chapter 2.5 from Chapter 2.2 about the part not described in this chapter.

The following tables list the account privileges required for individual commands. "Permitted" in an account privilege column indicates the command can be used with those account privileges.

- TABLE 2.9 MMB CLI commands (Administrator)
- TABLE 2.10 MMB CLI commands (Operator)
- TABLE 2.11 MMB CLI commands (User)
- TABLE 2.12 MMB CLI commands (CE)

Command	Administrator	Outline
Power control		
power off	Permitted	Turns the power off.
power on	Permitted	Turns the power on.
Partition creation		
add partition	-	Adds a partition component.
remove partition	-	Removes a partition component.
show partition configuration	-	Displays the partition configuration.
set reserved_sb	-	Sets the Reserved SB.
show reserved_sb	-	Displays the Reserved SB.
set partition home	-	Sets the Home SB.
show partition home	-	Displays the Home SB.
set partition dynamic_reconfiguration	-	Sets DR state of partition.
show partition dynamic_reconfiguration	-	Displays DR state of partition.
set memory_operation_mode	Permitted	Sets Memory operation mode.
show memory_operation_mode	Permitted	Displays Memory operation mode.
set memory_mirror_ras_mode	Permitted	Sets Memory operation at Mode.
show memory_mirror_ras_mode	Permitted	Displays Memory operation at Mode.
set pci_address_mode	-	Sets PCI bus number allocation mod.
show pci_address_mode	-	Displays PCI bus number allocation mod.
set lan_device_mode	Permitted	Sets LAN device mode.
show lan_device_mode	Permitted	Displays LAN device mode.
set pci_express_mode	-	Sets PCI-express mode.
show pci_express_mode	-	Displays PCI-express mode.
set partition name	-	Sets the partition name.
show partition name	-	Displays the partition name.
hotadd partition	-	Dynamic Reconfiguration HotAdd
hotremove partition	-	Dynamic Reconfiguration HotRemove
show system_power status	Permitted	Displays System Power status.
set memory_sparing_mode	Permitted	Sets the memory operation at spare mode.
show memory_sparing_mode	Permitted	Displays the memory operation at spare mode.
set pci_ecrc_mode	Permitted	Sets the ECRC.
show pci_ecrc_mode	Permitted	Displays the ECRC.
Partition control		
sadump	-	sadump instruction
reset	Permitted	Hard Reset instruction
nmi	Permitted	NMI interrupt instruction
Partition connection		
console	Permitted	Text Console connection to partition
DR-related	-	DR related commands
Extended Partitioning-related	-	Extended Partitioning related commands
MMB configuration and other		
set active_mmb	-	Sets the active MMB.
show active_mmb	-	Displays the active MMB.
help	Permitted	Help information

TABLE 2.9 MMB CLI commands (Administrator)

Command	Administrator	Outline
Systemconfiguration		•
set mmbcontrol reset	Permitted	Resets the MMB.
set mmb control switch_over	-	Switch Over the MMB.
add user	Permitted	Adds User.
show user_list	Permitted	Displays Users.
create raid logical_drive	Permitted	Create RAID logical drive
delete raid logical_drive	Permitted	Delete RAID logical drive
modify raid logical_drive_policy	Permitted	Modify RAID logical drive policy
modify raid logical_drive	Permitted	Modify RAID logical drive
create raid global_hotspare	Permitted	Create RAID global hotspare disk
create raid dedicated_hotspare	Permitted	Create RAID dedicated hospare disk
delete raid hotspare	Permitted	Delete RAID hotspare disk
start raid locate_pd	Permitted	Start locate disk LED
stop raid locate_pd	Permitted	Stop locate disk LED
start raid locate_ld	Permitted	Start locate disk LEDs for logical drive
stop raid locate_ld	Permitted	Stop locate disk LEDs for logical drive
start raid locate_encl	Permitted	Start locate disk enclosure LED
stop raid locate_encl	Permitted	Stop locate disk enclosure LED
start raid rebuild	Permitted	Start disk rebuilding
cancel raid rebuild	Permitted	Cancel disk rebuilding
start raid copyback	Permitted	Start disk copyback
cancel raid copyback	Permitted	Stop disk copyback
start raid mdc	Permitted	Start make data consistency (MDC)
cancel raid mdc	Permitted	Cancel MDC
start raid patrol	Permitted	Start RAID patrol
cancel raid patrol	Permitted	Cancel RAID patrol
make raid online	Permitted	Make disk online
make raid offline	Permitted	Make disk offline
replace raid missing_drive	Permitted	Replace missing drive
show raid adapter	Permitted	Display RAID adapter information
show raid disk_enclosure	Permitted	Display disk enclosure information
show raid physical_drive	Permitted	Display disk information
show raid physical_drive_count	Permitted	Display disk counts
show raid logical_drive	Permitted	Display logical drive information
show raid logical_drive_count	Permitted	Display logical drive counts
show raid bbu	Permitted	Display FBU information

Command	Operator	Outline
Power control		
power off	Permitted	Turns the power off.
power on	Permitted	Turns the power on.
Partition creation		
add partition	-	Adds a partition component.
remove partition	-	Removes a partition component.
show partition configuration	-	Displays the partition configuration.
set reserved_sb	-	Sets the Reserved SB.
show reserved_sb	-	Displays the Reserved SB.
set partition home	-	Sets the Home SB.
show partition home	-	Displays the Home SB.
set partition dynamic_reconfiguration	-	Sets DR state of partition.
show partition dynamic_reconfiguration	-	Displays DR state of partition.
set memory_operation_mode	Permitted	Sets Memory operation mode.
show memory_operation_mode	Permitted	Displays Memory operation mode.
set memory_mirror_ras_mode	Permitted	Sets Memory operation at Mode.
show memory_mirror_ras_mode	Permitted	Displays Memory operation at Mode.
set pci_address_mode	-	Sets PCI bus number allocation mod.
show pci_address_mode		Displays PCI bus number allocation mod.
set lan_device_mode	Permitted	Sets LAN device mode.
	Permitted	
show lan_device_mode	Permitted	Displays LAN device mode.
set pci_express_mode	-	Sets PCI-express mode.
show pci_express_mode	-	Displays PCI-express mode. Sets the partition name.
set partition name	-	
show partition name	-	Displays the partition name.
hotadd partition	-	Dynamic Reconfiguration HotAdd
hotremove partition	-	Dynamic Reconfiguration HotRemove
show system_power status	Permitted	Displays System Power status.
set memory_sparing_mode	Permitted	Sets the memory operation at spare mode.
show memory_sparing_mode	Permitted	Displays the memory operation at spare mode.
set pci_ecrc_mode	Permitted	Sets the ECRC.
show pci_ecrc_mode	Permitted	Displays the ECRC.
Partition control		
sadump	-	sadump instruction
reset	Permitted	Hard Reset instruction
nmi	Permitted	NMI interrupt instruction
Partition connection		
console	Permitted	Text Console connection to partition
DR-related	-	DR related commands
Extended Partitioning-related	-	Extended Partitioning related commands
MMB configuration and other		
set active_mmb	-	Sets the active MMB.
show active_mmb	-	Displays the active MMB.
help	Permitted	Help information

TABLE 2.10 MMB CLI commands (Operator)

Command	Operator	Outline
System configuration		
set mmbcontrol reset	-	Resets the MMB.
set mmbcontrol switch_over	-	Switch Over the MMB.
add user	-	Adds User.
show user_list	-	Displays Users.
create raid logical_drive	Permitted	Create RAID logical drive
delete raid logical_drive	Permitted	Delete RAID logical drive
modify raid logical_drive_policy	Permitted	Modify RAID logical drive policy
modify raid logical_drive	Permitted	Modify RAID logical drive
create raid global_hotspare	Permitted	Create RAID global hotspare disk
create raid dedicated_hotspare	Permitted	Create RAID dedicated hospare disk
delete raid hotspare	Permitted	Delete RAID hotspare disk
start raid locate_pd	Permitted	Start locate disk LED
stop raid locate_pd	Permitted	Stop locate disk LED
start raid locate_ld	Permitted	Start locate disk LEDs for logical drive
stop raid locate_ld	Permitted	Stop locate disk LEDs for logical drive
start raid locate_encl	Permitted	Start locate disk enclosure LED
stop raid locate_encl	Permitted	Stop locate disk enclosure LED
start raid rebuild	Permitted	Start disk rebuilding
cancel raid rebuild	Permitted	Cancel disk rebuilding
start raid copyback	Permitted	Start disk copyback
cancel raid copyback	Permitted	Stop disk copyback
start raid mdc	Permitted	Start make data consistency (MDC)
cancel raid mdc	Permitted	Cancel MDC
start raid patrol	Permitted	Start RAID patrol
cancel raid patrol	Permitted	Cancel RAID patrol
make raid online	Permitted	Make disk online
make raid offline	Permitted	Make disk offline
replace raid missing_drive	Permitted	Replace missing drive
show raid adapter	Permitted	Display RAID adapter information
show raid disk_enclosure	Permitted	Display disk enclosure information
show raid physical_drive	Permitted	Display disk information
show raid physical_drive_count	Permitted	Display disk counts
show raid logical_drive	Permitted	Display logical drive information
show raid logical_drive_count	Permitted	Display logical drive counts
show raid bbu	Permitted	Display FBU information

Command	User	Outline
Power control		
power off	-	Turns the power off.
power on	-	Turns the power on.
Partition creation		
add partition	-	Adds a partition component.
remove partition	-	Removes a partition component.
show partition configuration	-	Displays the partition configuration.
set reserved_sb	-	Sets the Reserved SB.
show reserved_sb	-	Displays the Reserved SB.
set partition home	-	Sets the Home SB.
show partition home	-	Displays the Home SB.
set partition dynamic_reconfiguration	-	Sets DR state of partition.
show partition dynamic_reconfiguration	-	Displays DR state of partition.
set memory_operation_mode	-	Sets Memory operation mode.
show memory_operation_mode	Permitted	Displays Memory operation mode.
set memory_mirror_ras_mode	-	Sets Memory operation at Mode.
show memory_mirror_ras_mode	Permitted	Displays Memory operation at Mode.
set pci_address_mode	-	Sets PCI bus number allocation mod.
show pci_address_mode	-	Displays PCI bus number allocation mod.
set lan_device_mode	-	Sets LAN device mode.
show lan_device_mode	Permitted	Displays LAN device mode.
set pci_express_mode	-	Sets PCI-express mode.
show pci_express_mode	-	Displays PCI-express mode.
set partition name	-	Sets the partition name.
show partition name	-	Displays the partition name.
hotadd partition	-	Dynamic Reconfiguration HotAdd
hotremove partition	-	Dynamic Reconfiguration HotRemove
show system_power status	Permitted	Displays System Power status.
set memory_sparing_mode	-	Sets the memory operation at spare mode.
show memory_sparing_mode	Permitted	Displays the memory operation at spare mode.
set pci_ecrc_mode	-	Sets the ECRC.
show pci_ecrc_mode	Permitted	Displays the ECRC.
Partition control	•	-
sadump	-	sadump instruction
reset	-	Hard Reset instruction
nmi	-	NMI interrupt instruction
Partition connection		
console	-	Text Console connection to partition
DR-related	-	DR related commands
Extended Partitioning-related	-	Extended Partitioning related commands
MMB configuration and other		
set active_mmb	-	Sets the active MMB.
show active_mmb	-	Displays the active MMB.
help	Permitted	Help information

TABLE 2.11 MMB CLI commands (User)

	User	Outline
System configuration		
et mmbcontrol reset	-	Resets the MMB.
set mmbcontrol switch_over	-	Switch Over the MMB.
add user	-	Adds User.
how user_list	-	Displays Users.
reate raid logical_drive	-	Create RAID logical drive
lelete raid logical_drive	-	Delete RAID logical drive
nodify raid logical_drive_policy	-	Modify RAID logical drive policy
nodify raid logical_drive	-	Modify RAID logical drive
reate raid global_hotspare	-	Create RAID global hotspare disk
reate raid dedicated_hotspare	-	Create RAID dedicated hospare disk
lelete raid hotspare	-	Delete RAID hotspare disk
tart raid locate_pd	-	Start locate disk LED
top raid locate_pd	-	Stop locate disk LED
tart raid locate_ld	-	Start locate disk LEDs for logical drive
top raid locate_ld	-	Stop locate disk LEDs for logical drive
tart raid locate_encl	-	Start locate disk enclosure LED
top raid locate_encl	-	Stop locate disk enclosure LED
tart raid rebuild	-	Start disk rebuilding
ancel raid rebuild	-	Cancel disk rebuilding
tart raid copyback	-	Start disk copyback
ancel raid copyback	-	Stop disk copyback
start raid mdc	-	Start make data consistency (MDC)
ancel raid mdc	-	Cancel MDC
tart raid patrol	-	Start RAID patrol
ancel raid patrol	-	Cancel RAID patrol
nake raid online	-	Make disk online
nake raid offline	-	Make disk offline
eplace raid missing_drive	-	Replace missing drive
how raid adapter	Permitted	Display RAID adapter information
how raid disk_enclosure	Permitted	Display disk enclosure information
how raid physical_drive	Permitted	Display disk information
how raid physical_drive_count	Permitted	Display disk counts
how raid logical_drive	Permitted	Display logical drive information
how raid logical_drive_count	Permitted	Display logical drive counts
how raid bbu	Permitted	Display FBU information

Command	CE	Outline
Power control		
power off	-	Turns the power off.
power on	-	Turns the power on.
Partition creation		
add partition	-	Adds a partition component.
remove partition	-	Removes a partition component.
show partition configuration	-	Displays the partition configuration.
set reserved_sb	-	Sets the Reserved SB.
show reserved_sb	-	Displays the Reserved SB.
set partition home	-	Sets the Home SB.
show partition home	-	Displays the Home SB.
set partition dynamic_reconfiguration	-	Sets DR state of partition.
show partition dynamic_reconfiguration	-	Displays DR state of partition.
set memory_operation_mode	-	Sets Memory operation mode.
show memory_operation_mode	Permitted	Displays Memory operation mode.
set memory_mirror_ras_mode	-	Sets Memory operation at Mode.
show memory_mirror_ras_mode	Permitted	Displays Memory operation at Mode.
set pci_address_mode	-	Sets PCI bus number allocation mod.
show pci_address_mode	-	Displays PCI bus number allocation mod.
set lan_device_mode	-	Sets LAN device mode.
show lan_device_mode	Permitted	Displays LAN device mode.
set pci_express_mode	-	Sets PCI-express mode.
show pci_express_mode	-	Displays PCI-express mode.
set partition name	-	Sets the partition name.
show partition name	-	Displays the partition name.
hotadd partition	-	Dynamic Reconfiguration HotAdd
hotremove partition	-	Dynamic Reconfiguration HotRemove
show system_power status	Permitted	Displays System Power status.
set memory_sparing_mode	-	Sets the memory operation at spare mode.
show memory_sparing_mode	Permitted	Displays the memory operation at spare mode.
set pci_ecrc_mode	-	Sets the ECRC.
show pci_ecrc_mode	Permitted	Displays the ECRC.
Partition control	·	
sadump	-	sadump instruction
reset	-	Hard Reset instruction
nmi	-	NMI interrupt instruction
Partition connection		
console	-	Text Console connection to partition
DR-related	-	DR related commands
Extended Partitioning-related	-	Extended Partitioning related commands
MMB configuration and other		
set active_mmb	-	Sets the active MMB.
show active_mmb	-	Displays the active MMB.
help	Permitted	Help information

TABLE 2.12 MMB CLI commands (CE)

Command	CE	Outline
System configuration		
set mmbcontrol reset	-	Resets the MMB.
set mmbcontrol switch_over	-	Switch Over the MMB.
add user	-	Adds User.
show user_list	-	Displays Users.
create raid logical_drive	-	Create RAID logical drive
delete raid logical_drive	-	Delete RAID logical drive
modify raid logical_drive_policy	-	Modify RAID logical drive policy
modify raid logical_drive	-	Modify RAID logical drive
create raid global_hotspare	-	Create RAID global hotspare disk
create raid dedicated_hotspare	-	Create RAID dedicated hospare disk
delete raid hotspare	-	Delete RAID hotspare disk
start raid locate_pd	-	Start locate disk LED
stop raid locate_pd	-	Stop locate disk LED
start raid locate_ld	-	Start locate disk LEDs for logical drive
stop raid locate_ld	-	Stop locate disk LEDs for logical drive
start raid locate_encl	-	Start locate disk enclosure LED
stop raid locate_encl	-	Stop locate disk enclosure LED
start raid rebuild	-	Start disk rebuilding
cancel raid rebuild	-	Cancel disk rebuilding
start raid copyback	-	Start disk copyback
cancel raid copyback	-	Stop disk copyback
start raid mdc	-	Start make data consistency (MDC)
cancel raid mdc	-	Cancel MDC
start raid patrol	-	Start RAID patrol
cancel raid patrol	-	Cancel RAID patrol
make raid online	-	Make disk online
make raid offline	-	Make disk offline
replace raid missing_drive	-	Replace missing drive
show raid adapter	Permitted	Display RAID adapter information
show raid disk_enclosure	Permitted	Display disk enclosure information
show raid physical_drive	Permitted	Display disk information
show raid physical_drive_count	Permitted	Display disk counts
show raid logical_drive	Permitted	Display logical drive information
show raid logical_drive_count	Permitted	Display logical drive counts
show raid bbu	Permitted	Display FBU information

2.6.2 power off

Turn off the power of entire system.

When the entire system is already in power off state, any process will not be executed for entire system.

• Privilege: Administrator, Operator

(1) Input format

power off {force}

(2) Option

force: Shows that the power of the system turns off forcefully without shutting down the operating system of system.

(3) Usage example

None

(4) Message

The following table lists the messages which are displayed in this CLI.

The specified parameter is invalid.
Unable to power off the system.
Unable to force power off on the system.
Command Failed. Code=0x%04X, 0x%02X
Unable to execute this command because the system is under maintenance.
Unable to power off the System because you have not authority to operate this system.
System Configuration Failed.

2.6.3 power on

Turn on the power supply of the entire system.

When the power supply for the entire system is already turned on, processing for such system is not done.

• Privilege: Administrator, Operator

(1) Input format

power on

(2) Option None

(3) Usage example None

(4) Message

The following table lists the messages which are displayed in this CLI.

The specified parameter is invalid.
Unable to power on the partition#%d due to CPU mismatch between SBs.
Unable to power on the partition#%d due to DIMM does not satisfy requirements of Mode.
Unable to power on due to mismatch between supply voltage and input voltage.
Unable to power on the partition#%d due to abnormal DIMM composition.
Unable to power on the partition#%d due to abnormal SB composition.
Unable to power on the system.
Command Failed. Code=0x%04X, 0x%02X
Unable to execute this command because the system is under maintenance.
The Power On failed, because of switching the Home SB.
Please execute it after a while again.
Unable to power on the system because you have not authority to operate this system.
System Configuration Failed.

2.6.4 reset

Specify the Hard Reset to the system.

When the entire system is not in Power On state, any kind of processing for such system is not done.

• Privilege: Administrator, Operator

(1) Input format

reset {quiet}

(2) Option

quiet: The command is executed without interactive operation with the user.

(3) Usage example Example: When reset is directed by the Administrator authority.

Administrator> reset Are you sure you want to Reset? [Y/N]: Y Administrator>

(4) Message The following table lists the messages which are displayed in this CLI.

Are you sure you want to Reset to system? [Y/N]:
The specified parameter is invalid.
Unable to Reset the system.
Command Failed. Code=0x%04X, 0x%02X
Unable to execute this command because the system is under maintenance.
Unable to Reset the System because you have not authority to operate this system.
System Configuration Failed.

2.6.5 nmi

Specify NMI interruption to the system.

When the entire system is not in Power On state, any kind of processing for such system is not done.

Privilege: Administrator, Operator, Partition Operator (Only the partition to be managed)

(1) Input format

nmi {quiet}

(2) Option quiet: The command is executed without interactive operation with the user.

(3) Usage example Example: When NMI is directed by the Administrator authority.

Administrator > nmi Are you sure you want to NMI? [Y/N]: Y Administrator >

(4) Message The following table lists the messages which are displayed in this CLI.

For details of the messages, see the PRIMEQUEST 2000 Series Message Reference (CA92344-0540).

 Are you sure you want to NMI to System? [Y/N]:

 The specified parameter is invalid.

 Unable to NMI the system.

 Command Failed. Code=0x%04X, 0x%02X

 Unable to execute this command because the system is under maintenance.

 Unable to NMI the System because you have not authority to operate this system.

 System Configuration Failed.

2.6.6 set memory_operation_mode

It sets the Memory Operation Mode of the system.

By default normal (Mode invalid) is set.

For the system which is already powered ON, when the settings are performed by this command, following message is displayed and settings cannot be performed.

"Unable to change the mode while the system is running. Please try to change the mode after the system is shutdown."

For the system which is already powered OFF, when the settings are changed by this command, power OFF/ON is not required. The value which is set is reflected instantly instead of displaying the above-mentioned message.

Moreover, also when the values which are the same as the current values are set, power off/on is not required and the above-mentioned message is not displayed.

Privilege: Administrator, Operator

(1) Input format

```
set memory_operation_mode [performance |normal | partial_mirror | full_mirror |
spare | address_range_mirror] {quiet}
```

(2) Option

quiet: The command is executed without interactive operation to User.

(3) Usage example

Example: When setting Memory Operation Mode of the system to performance

set memory_operation_mode performance
The setting will become effective the next time the system power off/on is performed
#

(4) Message

The following table lists the messages which are displayed in this CLI.

The setting will become effective the next time the system power off/on is performed.
The specified parameter is invalid.
Unable to register the System as Mode enable because the CPU mismatch between SBs.
Unable to register the System as Mode enable because the DIMM does not satisfy requirements of Mode.
Unable to register the System as Mode enable because the unsupported CPU configuration.
Unable to register the System as Mode enable because of abnormal CPU composition.
Unable to register the System as Mode enable because of abnormal DIMM composition.
Unable to register the System as Mode enable because of abnormal SB composition.
Failed to execute %s command.
Failed to execute set memory_operation_mode command.
Unable to change the mode while the system is running.
Please try to change the mode after the system is shutdown.
Unable to execute this command because you have not authority to operate this system.
System Configuration Failed.

2.6.7 set memory_mirror_ras_mode

It sets the Memory Mirror RAS mode of the system.

Memory Operation Mode can be set only at the time of Mode settings. Default value is set to mirror_keep (RAS emphasized mode).

mirror_keep : Mode is maintained capacity_keep : Capacity of the memory is maintained.

For the system which is already powered ON, when the settings are performed by this command, following message is displayed and settings cannot be performed.

"Unable to change the mode while the system is running. Please try to change the mode after the system is shutdown."

For the system which is already powered OFF, when the settings are changed by this command, power OFF/ON is not required. The value which is set is reflected instantly instead of displaying the above-mentioned message.

Moreover, also when values which are the same as the current values are set, power ff/on is not required and the above-mentioned message is not displayed.

Privilege: Administrator, Operator

(1) Input format

set memory_mirror_ras_mode [mirror_keep |capacity_keep] {quiet}

(2) Option

quiet: The command is executed without interactive operation to User.

(3) Usage example

Example: When setting Memory Mirror RAS Mode of the system to Mirror Keep Mode

set memory_mirror_ras_mode mirror_keep
The setting will become effective the next time the system power off/on is performed
#

(4) Message

The following table lists the messages which are displayed in this CLI.

For details of the messages, see the PRIMEQUEST 2000 Series Message Reference (CA92344-0540).

 The setting will become effective the next time the system power off/on is performed.

 The specified parameter is invalid.

 Unable to register the System as Mode enable because the CPU mismatch between SBs.

 Unable to register the System as Mode enable because the DIMM does not satisfy requirements of Mode.

 Unable to register the System as Mode enable because the unsupported CPU configuration.

 Unable to register the System as Mode enable because of abnormal CPU composition.

 Unable to register the System as Mode enable because of abnormal DIMM composition.

 Unable to register the System as Mode enable because of abnormal SB composition.

 Failed to execute %s command.

 Failed to execute set memory_mirror_ras_mode command.

 Unable to change the mode after the system is running.

 Please try to change the mode after the system is shutdown.

 Unable to execute this command because you have not authority to operate this system.

2.6.8 set lan_device_mode

LAN Device Mode is set by the IOU unit in the system. Default value set is wol_disable.

wol_enable	: Onboard LAN enabled with AC On.
wol_disable	: Onboard LAN enabled with Partition On.
device_disable	: Onboard LAN device disabled always.

For the system which is already powered ON, when the settings are performed by this command, following message is displayed and settings cannot be performed.

"Unable to change the mode while the system is running. Please try to change the mode after the system is shutdown."

For the system which is already powered OFF, when the settings are changed by this command, power OFF/ON is not required. The value which is set is reflected instantly instead of displaying the above-mentioned message.

Moreover, also when values which are the same as the current values are set, power off/on is not required and the above-mentioned message is not displayed.

• Privilege: Administrator, Operator

(1) Input format

set lan_device_mode <IOU#> [wol_enable| wol_disable | device_disable] {quiet}

(2) Option

quiet: The command is executed without interactive operation to User.

(3) Usage example

Example: When setting IOU#2 to Enable (WOL enabled) in the system.

set lan_device_mode 2 wol_enable
#

(4) Message

The following table lists the messages which are displayed in this CLI.

The setting will become effective the next time the system power off/on is performed.
The specified parameter is invalid.
Failed to execute %s command.
Failed to execute set lan_device_mode command.
Unable to change the mode while the system is running.
Please try to change the mode after the system is shutdown.
Unable to execute this command because you have not authority to operate this system.
System Configuration Failed.

2.6.9 show memory_operation_mode

Displays the Memory Operation Mode of the system.

performance:Shows the Performance Modenormal:Shows the Normal Modepartial_mirror:Shows the Partial Modefull_mirror:Shows the Full Modespare:Shows the Spare Modeaddress_range_mirror:Shows the Address Range Mirror Mode (This function can be available in thePRIMEQUEST 2800B3)

Privilege: All

(1) Input format

show memory_operation_mode

(2) Option

None

- (3) Usage example
 - Example: When Memory Operation Mode of system is displayed #show memory_operation_mode current: normal setting: performance #
- (4) Message

The following table lists the messages which are displayed in this CLI.

For details of the messages, see the PRIMEQUEST 2000 Series Message Reference (CA92344-0540).

The specified parameter is invalid. Failed to execute %s command. Failed to execute show memory_operation_mode command. System Configuration Failed.

2.6.10 show memory_mirror_ras_mode

Displays Memory Mirror RAS Mode of the system.

mirror_keep	: Sets the Mirror Keep Mode.
capacity_keep	: Sets the Capacity Keep mode.

Privilege: All

(1) Input format

show memory_mirror_ras_mode

(2) Option

None

- (3) Usage example
 - Example: When Memory Mirror RAS Mode of system is displayed #show memory_mirror_ras_mode current: mirror_keep setting: capacity_keep #

(4) Message

The following table lists the messages which are displayed in this CLI.

For details of the messages, see the PRIMEQUEST 2000 Series Message Reference (CA92344-0540).

The specified parameter is invalid. Failed to execute %s command. Failed to execute show memory_mirror_ras_mode command. System Configuration Failed.

2.6.11 show lan_device_mode

Displays the setting (enable/disable) of LAN Device/WOL in IOU unit of the system.

Privilege: All

(1) Input format

show lan_devoce_mode

(2) Option

None

- (3) Usage example
- Example: When LAN Device Mode of IOU (In example it is IOU#2 or IOU#3) from system is displayed #show lan_device_mode iou#2: LAN Device: enable WOL: enable iou#3:LAN Device: disable WOL: disable #

(4) Message

The following table lists the messages which are displayed in this CLI.

For details of the messages, see the PRIMEQUEST 2000 Series Message Reference (CA92344-0540).

The specified parameter is invalid.
Failed to execute %s command.
Failed to execute show lan_device_mode command.
System Configuration Failed.

2.6.12 set mmbcontrol reset

Specify the MMB reset.

This command execution is controlled at the time of the maintenance mode.

Privilege: Administrator

(1) Input format

set mmbcontrol reset {quiet}

(2) Option

quiet: The command is executed without interactive operation with the user.

- (3) Usage example
 - # set mmbcontrol reset
- (4) Message

The following table lists the messages which are displayed in this CLI.

For details of the messages, see the PRIMEQUEST 2000 Series Message Reference (CA92344-0540).

The specified parameter is invalid. Unable to execute this command under maintenance.

2.6.13 add user

The user account is newly registered.

Privilege: Administrator

(1) Input format

```
add user <user name> <password> < confirm password> [admin | operator | user
     ce] {quiet}
          (2)
                Option
user name
                           : Sets the user name.
                            You can enter a total of 3 to 32 characters.
                            You can enter the following characters in a user name:
                            [0-9], [a-z], [A-Z], - (hyphen), _ (underscore).
                            However, the first character of the user name must be a letter from a to z or A to Z.
password
                           : Sets the password.
                            You can enter a total of 8 to 32 characters.
                            You can specify the following characters in a password:
                            [0-9], [a-z], [A-Z], and
                                     special characters: ! " # $ % & ' ( ) = - ^ ~ ¥ @ `[/ ] { } : * ; + ? < . > , _ |
confirm password : Used to reenter a password for confirmation.
                 : Sets the privileges of the user account.
privilege
                            You can specify either admin, operator, user or ce.
          Quiet
                                   : The command is executed without interactive operation with the user.
```

(3) Usage example Example: In case of admin authority.

add user Aaaaaaaa Bbbbbbbb Bbbbbbbb admin

Example: In case of operator authority.

add user Aaaaaaaa Bbbbbbbb Bbbbbbbb operator

(4) Message

The following table lists the messages which are displayed in this CLI.

The specified parameter is invalid.	
No more User addition	
Same name already exists. User addition failed.	

2.6.14 show user_list

User account information registered in the system is displayed.

Privilege: Administrator

(1) Input format

show user_list

(2) Option None

(3) Usage example

<pre># show user_list</pre>	
user_name	privilege
Aaaaaaa	Admin
Ccccccccc	Operator
Ddddddd	CE

(4) Message

The following table lists the messages which are displayed in this CLI.

For details of the messages, see the PRIMEQUEST 2000 Series Message Reference (CA92344-0540).

The specified parameter is invalid.

2.6.15 console

Login to the system by telnet. Execute the Text Console connection of BMC.

The Text Console connection to BMC can be connected only by one command per BMC. However, the following messages are displayed when the following console command is executed when other users have already executed the console command, and the Text Console connection to BMC can be done compulsorily by inputting as 'Y'. In that case, the compulsion cutting is done as for the console command under the connection.

Console redirection already in use If needed, the current user can be disconnected

Do you really want to force disconnect current user? [Y|N]:

Privilege: Administrator, Operator, CE

(1) Input format

console {<timeout>} {quiet}

(2) Option

timeout: Sets timeout value.

Set by 0 or within the range of 1~120 minutes.

0 consists of the special meaning, it indicates no Timeout.

Default setting is 10 minutes.

Perform the operation by default value when this option is not specified.

quiet: Executes the command without interactive operation with User.

(3) Usage example

Example: In case of Login to BMC.

console

Example: When logged in to BMC by timeout value of 20 minutes.

console 20

(4) Message

The following table lists the messages which are displayed in this CLI.

The specified parameter is invalid.
Failed to execute 'console' command.
Unable to execute this command because you have not authority to operate this system.
System Configuration Failed.

2.6.16 show system_control status

Displays State of the power supply and status (System Progress) of System.

Power Status of partition

- On
- Standby
- System Progress of partition
 - Power Off
 - Power On In Progress
 - Reset
- EFI
- Boot
- OS Running
- OS Shutdown
- Panic
- Power Off In Progress
- Fatal
- Dumping
- Halt

Privilege: All

(1) Input format

show system_control status

None

(2) Option

(3) Usage example

Example: #show system_control status Power Status: On System Progress: OS Running #

(4) Message

The following table lists the messages which are displayed in this CLI.

For details of the messages, see the PRIMEQUEST 2000 Series Message Reference (CA92344-0540).

The specified parameter is invalid.

2.6.17 set memory_sparing_mode

This command can be set only in case of the PRIMEQUEST 2800B3/2800B2 models.

Rank of Memory Sparing Mode of system is set.

When this command is used, it is necessary to set Memory Operation Mode to Spare Mode beforehand. The default value is 1Rank.

- 1 : 1 Rank is set.
 - 2 : 2 Rank is set.
 - auto : Automatic setting.

Because the setting is restrained when this command is executed for system that has already done power supply On, the following messages are displayed.

"Unable to change the mode while the system is running. Please try to change the mode after the system is shutdown."

When the setting is changed to system that has already done power supply Off by this command, there is no necessity of off/on of the power supply, and the value set at once without displaying the above-mentioned message is reflected. Moreover, when the value is set to the same value now, the above-mentioned message is not displayed about power supply off/on because it is unnecessary.

Privilege: Administrator, Operator

(1) Input format

|--|

(2) Option

quiet: The command is executed without interacting with the user.

(3) Usage example

Example: When you set Rank of Memory Sparing Mode to 1.

set memory_sparing_mode 1

The setting will become effective the next time the system power off/on is performed #

(4) Message

The following table lists the messages which are displayed in this CLI.

The specified partition number is invalid. The setting will become effective the next time the partition power off/on is performed.
The specified parameter is invalid.
Unable to register the specified Partition#%d as Mode enable because the CPU mismatch between SBs.
Unable to register the specified Partition#%s as Mode enable because of abnormal SB composition.
Unable to change the mode because Memory Operation Mode is not spare mode.
Failed to execute %s command.
Failed to execute set partition command.
Unable to change the mode while the system is running.
Please try to change the mode after the system is shutdown.
Unable to execute this command because you have not authority to operate this system.
System Configuration Failed.

2.6.18 show memory_sparing_mode

This command can be display only in case of the PRIMEQUEST 2800B3/2800B2 models. Displays the settings Rank of Memory Sparing Mode of system.

Privilege: All

(1) Input format

show memory_sparing_mode

(2) Option

None

 (3) Usage example
 Example: When you display Rank of Memory Sparing Mode, # show memory_sparing_mode current: 1 setting: 1 #

(4) Message

The following table lists the messages which are displayed in this CLI.

For details of the messages, see the PRIMEQUEST 2000 Series Message Reference (CA92344-0540)..

 The specified partition number is invalid.

 Failed to execute %s command.

 Failed to execute show memory_sparing_mode command.

 System Configuration Failed.

2.6.19 create raid logical_drive

Creates a logical drive to the specified RAID controller.

Privilege: Administrator, Operator, Partition Operator (Only managed partition)

(1) Input format

```
create raid logical_drive [SB | DU | IOU | PCI_BOX] <UNIT#>-<PCISLOT#>
disk=[<DISKSLOT#>{,<DISKSLOT#>...} | <PORT#>-<CASCADE#>-o<DISKSLOT#>{,<PORT#>-
<CASCADE#>-<DISKSLOT#>...}] level=<RAIDlevel> {spansize=<Span>} {size=<Size>[MB |
GB | TB]} {name="<Name>"} {stripe=<StripeSize>} {init=[no | fast | slow]}
{force}
```

- (2) Option
- disk: This option specifies disk slot numbers for the internal disks (e.g. disk=0,1,2,3) or port number and cascade numbers and disk slot numbers for the external disks on disk enclosures (e.g. disk=0-0-0,0-0-1,1-0-0,1-0-1).

level: This option specifies RAID level from 0, 1, 5, 6 1E, 10, 50 or 60. (ex. level=5).

spansize: This option specifies number of drives per span. If the specified RAIDlevel is neither RAID-50 nor RAID-60, the parameter is meaningless. (ex. spansize=5).

size: This option specifies size of the creation of logical drive. If this parameter is omitted, maximum size will be assigned. (ex. size=512GB).

name: This option specifies name strings of the logical drive. If this parameter is omitted, ""(null) will be set for the name. (ex. name="Logical_Drive_0").

stripe: This option specifies stripe size for the creation of logical drive from 8, 16, 32, 64, 128, 256, 512 or 1024. If this parameter is omitted, 64 will be set. (ex. stripe=1024).

init: This option specifies how you want to initialize the logical drive after the creation. If this parameter is omitted, no initialization will be done. (ex. init=fast).

force: The command is executed without interactive operation with the user.

The mandatory options are "disk" and "level", and the other options are omitted. The following table shows the default values.

Options	Default values	
spansize	If RAID-50 or RAID-60, Span=num of specified drives / 2.	
	Else if RAID-10, Span=2	
	Else, Span=num of specified drives.	
size	maximum possible size	
name	"LogicalDrive_0" (0 is changed corresponding to target ID)	
stripe	64	
init	Fast	

(3) Usage example

Example:When you create a logical drive as RAID level 5 with using disk slot#0,1,2,3 on SB#0. # create raid logical_drive SB 0-0 disk=0,1,2,3 level=5 size=512GB name="Logical_Drive_0" stripe=1024 init=fast force

Example:When you create a logical drive as RAID level 6 with using disk slot#0,1 on disk enclosure 1(port 0 cascade 0) and disk slot#22,23 on disk enclosure 2(port1 cascade0). And these enclosures are attached to RAID card on IOU0-PCI Slot#0

create raid logical_drive IOU 0-0 disk=0-0-0,0-0-1,1-0-0,1-0-1 level=5 size=512GB name="Logical_Drive_0" stripe=1024 init=fast force

(4) Message

The following table lists the messages which are displayed in this CLI.

For details of the messages, see the PRIMEQUEST 2000 Series Message Reference (CA92344-0540).

The command is executed successfully.
The operation is canceled
Too much arguments argc=%d.
Too few arguments argc=%d.
The specified parameter is invalid. %s
Missing mandatory options.
The specified controller is not found.
Port and cascade number is required in the parameter since more than 2 enclosures are connected.
Internal error [%d:%d].
The operation is failed. %s
Unable to execute the command because the %s is under maintenance.
Unable to process raid operation because you have not authority to access to the system assigned to the raid controller.
Unable to process raid operation because you have not authority to access to the Partition#%d assigned to the raid controller.

Some policies of logical drive cannot be changed from default value when the logical drive is created. If you want to change these parameter, you should use "modify raid policy" command after created the logical drive. These policies are set default values in the table below

logical anve. Thes	0 policiou al 0 000 acit	
Parameter	Default value	Selectable values
Read Policy	No Read Ahead	No Read Ahead, Read Ahead
Write Policy	Write Back	Write Back, Write Through, Force Write Back
I/O Policy	Direct	Direct, Cached
Access Policy	Read/Write	Read/Write, Read Only, Blocked
Drive Cache	Enable	Unchanged, Enable, Disable

When requesting create raid logical_drive command, the "Internal error [12:0x8017]" or "Internal error [12:0x802f]" might be returned.

In this case, please verify if the expected logical drive is created by issuing "show raid logical_drive" command.

If the expected logical drive is created, ignore the "Internal error".

If the expected logical drive is NOT created, please try "create raid logical_drive" command again.

2.6.20 delete raid logical_drive

Deletes a logical drive to the specified RAID controller.

Privilege: Administrator, Operator, Partition Operator (Only managed partition)

(1) Input format

delete raid logical_drive [SB | DU | IOU | PCI_BOX] <UNIT#>-<PCISLOT#>
target=<TargetID> {force}

(2) Option

target: This option specifies targetID of the logical drive which you want to delete. (ex. target=0). force: The command is executed without interactive operation with the user.

- (3) Usage example
- Example:When you delete a logical drive 0 assigned to a RAID controller on SB#0. # delete raid logical_drive SB 0-0 target=0
- (4) Message

The following table lists the messages which are displayed in this CLI.

The command is executed successfully.
The operation is canceled
Too much arguments argc=%d.
Too few arguments argc=%d.
The specified parameter is invalid. %s
The specified controller is not found.
Internal error [%d:%d].
Unable to execute the command because the system is under maintenance.
Unable to execute the command because the Partition#%d is under maintenance.
Unable to process raid operation because you have not authority to access to the system assigned to the raid controller.
Unable to process raid operation because you have not authority to access to the Partition#%d assigned to the raid controller.

2.6.21 modify raid logical_drive_policy

Modifies policies of the target logica drive.

Privilege: Administrator, Operator, Partition Operator (Only managed partition)

(1) Input format

```
modify raid logical_drive_policy [SB | DU | IOU | PCI_BOX] <UNIT#>-<PCISLOT#>
target=<TargetID> {read=<ReadPolicy>} {write=<WritePolicy>} {io=<IOPoclicy>}
{access=<AccessPolicy>} {cache=<DriveCachePolicy>} {force}
```

(2) Option

target: targetID of the logical drive which has missing drives. (ex. target=0).

- read: This option specifies number of read policy from 0=No read ahead, 1=Read ahead. No read Ahead - To specify that the controller does not use read ahead for the current logical drive. Read Ahead - To allow the controller to read sequentially ahead of requested data and store the additional data in cache memory, anticipating that the data is required soon.
- write: This option specifies number of write policy from 0=Write Back, 1=Write Through, 2=Force Write Back. Write Back - To provide optimal performance, but data loss will occur if there is a power failure and there is no cache battery installed or the battery is failed or discharged.
 - Write Through To eliminate risk of losing cached data in case of power failure. However, it may result in slower performance.
 - Force Write Back The logical drive is in Write Back mode even if the battery is not present; data loss may occur in the event of a power failure.
- io: This option number of IO policy from 0=Direct, 1=Cached.

cache: This option specifies number of drive cache policy from 0=Unchanged, 1=Enable, 2=Disable. force: The command is executed without interactive operation with the user.

- (3) Usage example
 - Example:When you modify a logical drive policy for RAID controller on SB#0. # modify raid logical_drive_policy SB 0-0 target=0 read=0 write=0 io=0 access=0 cache=0
- (4) Message

The following table lists the messages which are displayed in this CLI.

The command is executed successfully.
The operation is canceled
Too much arguments argc=%d.
Too few arguments argc=%d.
The specified parameter is invalid. %s
The specified controller is not found.
Internal error [%d:%d].
The operation is failed. %s
Unable to execute the command because the %s is under maintenance.
Unable to process raid operation because you have not authority to access to the system assigned to the raid
controller.
Unable to process raid operation because you have not authority to access to the Partition#%d assigned to the raid controller.

2.6.22 modify raid logical_drive

Modifies a logical drive to the specified RAID controller.

Privilege: Administrator, Operator, Partition Operator (Only managed partition)

(1) Input format

```
modify raid logical_drive [SB | DU | IOU | PCI_BOX] <UNIT#>-<PCISLOT#>
target=<TargetID> {[disk=<DISKSLOT#>{,<DISKSLOT#>...} | disk=<PORT#>-<CASCADE#>-
<DISKSLOT#>{,<PORT#>-<CASCADE#>-<DISKSLOT#>...}] } {level=<RAIDlevel>} {force}
```

- (2) Option
- target: This option specifies targetID of the target logical drive which you want to modify. (ex. target=0) disk: This option specifies disk slot numbers for the internal disks (e.g. disk=0,1,2,3) or port number and cascade numbers and disk slot numbers for the external disks on disk enclosures (e.g. disk=0-0-0,0-0-
- 1,1-0-0,1-0-1). level: This option specifies RAID level from 0, 1, 5, 6 1E, 10, 50 or 60. (ex. level=5).

force: The command is executed without interactive operation with the user.

- (3) Usage example
 - Example: When you modify RAID level of a logical drive to RAID 6 as RAID level migration (RLM) with additional disk attached to slot#3.

modify raid logical_drive SB 0-0 target=0 disk=3 level=6

(4) Message

The following table lists the messages which are displayed in this CLI.

The command is executed successfully.
The operation is canceled
Too much arguments argc=%d.
Too few arguments argc=%d.
The specified parameter is invalid. %s
The specified controller is not found.
Internal error [%d:%d].
The operation is failed. %s
Unable to execute the command because the %s is under maintenance.
Unable to process raid operation because you have not authority to access to the system assigned to the raid
controller.
Unable to process raid operation because you have not authority to access to the Partition#%d assigned to the
raid controller.

2.6.23 create raid global_hotspare

Creates global hotspare drive to the specified RAID controller.

Privilege: Administrator, Operator, Partition Operator (Only managed partition)

(1) Input format

create raid global_hotspare [SB | DU | IOU | PCI_BOX] <UNIT#>-<PCISLOT#>
disk=[<DISKSLOT#> | <PORT#>-<CASCADE#>-<DISKSLOT#>] {force}

(2) Option

disk: This option specifies disk slot numbers for the internal disks (e.g. disk=0) or port number and cascade numbers and disk slot numbers for the external disks on disk enclosures (e.g. disk=0-0-0). force: The command is executed without interactive operation with the user.

- (3) Usage example
 - Example:When you assign a global hotspare to a disk attached to slot#0. # create raid global_hotspare SB 0-0 disk=0
- (4) Message

The following table lists the messages which are displayed in this CLI.

The command is executed successfully.
The operation is canceled
Too much arguments argc=%d.
Too few arguments argc=%d.
The specified parameter is invalid. %s
The specified controller is not found.
Port and cascade number is required in the parameter since more than 2 enclosures are connected.
Internal error [%d:%d].
The operation is failed. %s
Unable to execute the command because the %s is under maintenance.
Unable to process raid operation because you have not authority to access to the system assigned to the raid controller.
Unable to process raid operation because you have not authority to access to the Partition#%d assigned to the raid controller.

2.6.24 create raid dedicated_hotspare

Creates dedicated hotspare drive to the specified RAID controller.

Privilege: Administrator, Operator, Partition Operator (Only managed partition)

(1) Input format

```
create raid dedicated_hotspare [SB | DU | IOU | PCI_BOX] <UNIT#>-<PCISLOT#>
disk=[<DISKSLOT#> | <PORT#>-<CASCADE#>-<DISKSLOT#>]
target=<TargetID#>{,<TargetID#>...} {force}
```

- (2) Option
- disk: This option specifies disk slot numbers for the internal disks (e.g. disk=0) or port number and cascade numbers and disk slot numbers for the external disks on disk enclosures (e.g. disk=0-0-0).
- target: This options specifies targetID array of the logical drive which is target of the dedicated hot-spare. 16 targets are able to be specified in maximum.(ex. target=0)

force: The command is executed without interactive operation with the user.

- (3) Usage example
 - Example:When you assign a dedicated hotspare for the logical drive 0 to a disk attached to slot#0. # create raid dedicated_hotspare SB 0-0 disk=0 target=0
- (4) Message

The following table lists the messages which are displayed in this CLI.

The command is executed successfully.
The operation is canceled
Too much arguments argc=%d.
Too few arguments argc=%d.
The specified parameter is invalid. %s
The specified controller is not found.
Port and cascade number is required in the parameter since more than 2 enclosures are connected.
Internal error [%d:%d].
The operation is failed. %s
Unable to execute the command because the %s is under maintenance.
Unable to process raid operation because you have not authority to access to the system assigned to the raid
controller.
Unable to process raid operation because you have not authority to access to the Partition#%d assigned to the
raid controller.

2.6.25 delete raid hotspare

Deletes global or dedicated hotspare drive to the specified RAID controller.

Privilege: Administrator, Operator, Partition Operator (Only managed partition)

(1) Input format

delete raid hotspare [SB | DU | IOU | PCI_BOX] <UNIT#>-<PCISLOT#>
disk=[<DISKSLOT#> | <PORT#>-<CASCADE#>-<DISKSLOT#>] {force}

(2) Option

disk: This option specifies disk slot numbers for the internal disks (e.g. disk=0) or port number and cascade numbers and disk slot numbers for the external disks on disk enclosures (e.g. disk=0-0-0). force: The command is executed without interactive operation with the user.

- (3) Usage example
 - Example:When you delete a hotspare to a disk attached to slot#0. # delete raid hotspare SB 0-0 disk=0
- (4) Message

The following table lists the messages which are displayed in this CLI.

The command is executed successfully.
The operation is canceled
Too much arguments argc=%d.
Too few arguments argc=%d.
The specified parameter is invalid. %s
The specified controller is not found.
Port and cascade number is required in the parameter since more than 2 enclosures are connected.
Internal error [%d:%d].
The operation is failed. %s
Unable to execute the command because the %s is under maintenance.
Unable to process raid operation because you have not authority to access to the system assigned to the raid controller.
Unable to process raid operation because you have not authority to access to the Partition#%d assigned to the raid controller.

2.6.26 start raid locate_pd

Turns on a location LED of the specified disk.

Privilege: Administrator, Operator, Partition Operator (Only managed partition)

(1) Input format

start raid locate_pd [SB | DU | IOU | PCI_BOX] <UNIT#>-<PCISLOT#>
disk=[<DISKSLOT#> | <PORT#>-<CASCADE#>-<DISKSLOT#>]

- (2) Option
- disk: This option specifies disk slot numbers for the internal disks (e.g. disk=0) or port number and cascade numbers and disk slot numbers for the external disks on disk enclosures (e.g. disk=0-0-0).
- (3) Usage example
- Example:When you turn on a location LED of a disk attached to slot#0. # start raid locate_pd SB 0-0 disk=0
- (4) Message

The following table lists the messages which are displayed in this CLI.

The command is executed successfully.
Too much arguments argc=%d.
Too few arguments argc=%d.
The specified parameter is invalid. %s
The specified controller is not found.
Port and cascade number is required in the parameter since more than 2 enclosures are connected.
Internal error [%d:%d].
The operation is failed. %s
Unable to execute the command because the %s is under maintenance.
Unable to process raid operation because you have not authority to access to the system assigned to the raid
controller.
Unable to process raid operation because you have not authority to access to the Partition#%d assigned to the
raid controller.

2.6.27 stop raid locate_pd

Turns off a location LED of the specified disk.

Privilege: Administrator, Operator, Partition Operator (Only managed partition)

(1) Input format

stop raid locate_pd [SB | DU | IOU | PCI_BOX] <UNIT#>-<PCISLOT#> disk=[<DISKSLOT#> | <PORT#>-<CASCADE#>-<DISKSLOT#>]

- (2) Option
- disk: This option specifies disk slot numbers for the internal disks (e.g. disk=0) or port number and cascade numbers and disk slot numbers for the external disks on disk enclosures (e.g. disk=0-0-0).
- (3) Usage example
- Example:When you turn off a location LED of a disk attached to slot#0. # stop raid locate_pd SB 0-0 disk=0
- (4) Message

The following table lists the messages which are displayed in this CLI.

The command is executed successfully.
Too much arguments argc=%d.
Too few arguments argc=%d.
The specified parameter is invalid. %s
The specified controller is not found.
Port and cascade number is required in the parameter since more than 2 enclosures are connected.
Internal error [%d:%d].
The operation is failed. %s
Unable to execute the command because the %s is under maintenance.
Unable to process raid operation because you have not authority to access to the system assigned to the raid controller.
Unable to process raid operation because you have not authority to access to the Partition#%d assigned to the raid controller.

2.6.28 start raid locate_ld

Turns on a location LED of disks assigned to the specified logical drive.

Privilege: Administrator, Operator, Partition Operator (Only managed partition)

(1) Input format

start raid locate_ld [SB | DU | IOU | PCI_BOX] <UNIT#>-<PCISLOT#> target=<TargetID>

(2) Option

target: This option specifies targetID of the logical drive where you want to operate LEDs of physical drives assigned. (ex. target=0).

- (3) Usage example
- Example:When you turn on a location LED of a disk assigned to the logical drive#1. # start raid locate_ld SB 0-0 target=1

(4) Message

The following table lists the messages which are displayed in this CLI.

2.6.29 stop raid locate_ld

Turns off a location LED of disks assigned to the specified logical drive.

Privilege: Administrator, Operator, Partition Operator (Only managed partition)

(1) Input format

stop raid locate_ld [SB | DU | IOU | PCI_BOX] <UNIT#>-<PCISLOT#> target=<TargetID>

(2) Option

target: This option specifies targetID of the logical drive where you want to operate LEDs of physical drives assigned. (ex. target=0).

- (3) Usage example
- Example:When you turn off a location LED of a disk assigned to the logical drive#1. # stop raid locate_ld SB 0-0 target=1

(4) Message

The following table lists the messages which are displayed in this CLI.

The command is executed successfully.
Too much arguments argc=%d.
Too few arguments argc=%d.
The specified parameter is invalid. %s
The specified controller is not found.
Internal error [%d:%d].
The operation is failed. %s
Unable to execute the command because the %s is under maintenance.
Unable to process raid operation because you have not authority to access to the system assigned to the raid controller.
Unable to process raid operation because you have not authority to access to the Partition#%d assigned to the raid controller.

2.6.30 start raid locate_encl

Turns on a location LED of the specified disk enclosure.

Privilege: Administrator, Operator, Partition Operator (Only managed partition)

(1) Input format

```
start raid locate_encl [SB | DU | IOU | PCI_BOX] <UNIT#>-<PCISLOT#> encl=<PORT#>-
<CASCADE#>
```

(2) Option

- (3) Usage example
- Example:When you turn on a location LED of a disk attached to slot#0. # start raid locate_pd SB 0-0 disk=0

(4) Message

The following table lists the messages which are displayed in this CLI.

The command is executed successfully.
Too much arguments argc=%d.
Too few arguments argc=%d.
The specified parameter is invalid. %s
The specified controller is not found.
Port and cascade number is required in the parameter since more than 2 enclosures are connected.
Internal error [%d:%d].
The operation is failed. %s
Unable to execute the command because the %s is under maintenance.
Unable to process raid operation because you have not authority to access to the system assigned to the raid
controller.
Unable to process raid operation because you have not authority to access to the Partition#%d assigned to the
raid controller.

encl: This option specifies port number of the RAID card where the disk enclosure connected. And specify cascade number of the disk enclosure. (ex. encl=0-0).

2.6.31 stop raid locate_encl

Turns off a location LED of the specified disk enclosure.

Privilege: Administrator, Operator, Partition Operator (Only managed partition)

(1) Input format

stop raid locate_encl [SB | DU | IOU | PCI_BOX] <UNIT#>-<PCISLOT#> encl=<PORT#><CASCADE#>

(2) Option

- (3) Usage example
- Example:When you turn off a location LED of a disk attached to slot#0. # stop raid locate_pd SB 0-0 disk=0
- (4) Message

The following table lists the messages which are displayed in this CLI.

The command is executed successfully.
Too much arguments argc=%d.
Too few arguments argc=%d.
The specified parameter is invalid. %s
The specified controller is not found.
Port and cascade number is required in the parameter since more than 2 enclosures are connected.
Internal error [%d:%d].
The operation is failed. %s
Unable to execute the command because the %s is under maintenance.
Unable to process raid operation because you have not authority to access to the system assigned to the raid controller.
Unable to process raid operation because you have not authority to access to the Partition#%d assigned to the raid controller.

encl: This option specifies port number of the RAID card where the disk enclosure connected. And specify cascade number of the disk enclosure. (ex. encl=0-0).

2.6.32 start raid rebuild

Starts rebuilding the specificed disk.

Privilege: Administrator, Operator, Partition Operator (Only managed partition)

(1) Input format

start raid rebuild [SB | DU | IOU | PCI_BOX] <UNIT#>-<PCISLOT#> disk=[<DISKSLOT#> | <PORT#>-<CASCADE#>-<DISKSLOT#>] {force}

(2) Option

disk: This option specifies disk slot numbers for the internal disks (e.g. disk=0) or port number and cascade numbers and disk slot numbers for the external disks on disk enclosures (e.g. disk=0-0-0). force: The command is executed without interactive operation with the user.

- (3) Usage example
- Example:When you start rebuilding a disk attached to slot#0. # start raid rebuild SB 0-0 disk=0
- (4) Message

The following table lists the messages which are displayed in this CLI.

The command is executed successfully.
The operation is canceled
Too much arguments argc=%d.
Too few arguments argc=%d.
The specified parameter is invalid. %s
The specified controller is not found.
Port and cascade number is required in the parameter since more than 2 enclosures are connected.
Internal error [%d:%d].
The operation is failed. %s
Unable to execute the command because the %s is under maintenance.
Unable to process raid operation because you have not authority to access to the system assigned to the raid controller.
Unable to process raid operation because you have not authority to access to the Partition#%d assigned to the raid controller.

2.6.33 cancel raid rebuild

Cancels rebuilding the specificed disk.

Privilege: Administrator, Operator, Partition Operator (Only managed partition)

(1) Input format

cancel raid rebuild [SB | DU | IOU | PCI_BOX] <UNIT#>-<PCISLOT#> disk=[<DISKSLOT#> | <PORT#>-<CASCADE#>-<DISKSLOT#>] {force}

(2) Option

disk: This option specifies disk slot numbers for the internal disks (e.g. disk=0) or port number and cascade numbers and disk slot numbers for the external disks on disk enclosures (e.g. disk=0-0-0). force: The command is executed without interactive operation with the user.

- (3) Usage example
- Example:When you cancel rebuilding a disk attached to slot#0. # cancel raid rebuild SB 0-0 disk=0
- (4) Message

The following table lists the messages which are displayed in this CLI.

The command is executed successfully.
The operation is canceled
Too much arguments argc=%d.
Too few arguments argc=%d.
The specified parameter is invalid. %s
The specified controller is not found.
Port and cascade number is required in the parameter since more than 2 enclosures are connected.
Internal error [%d:%d].
The operation is failed. %s
Unable to execute the command because the %s is under maintenance.
Unable to process raid operation because you have not authority to access to the system assigned to the raid controller.
Unable to process raid operation because you have not authority to access to the Partition#%d assigned to the raid controller.

2.6.34 start raid copyback

Starts copyback to the specificed disk.

Privilege: Administrator, Operator, Partition Operator (Only managed partition)

(1) Input format

```
start raid copyback [SB | DU | IOU | PCI_BOX] <UNIT#>-<PCISLOT#> src=[<DISKSLOT#>
| < PORT#>-<CASCADE#>-<DISKSLOT#>] dist=[<DISKSLOT#> | < PORT#>-<CASCADE#>-
<DISKSLOT#>] {force}
```

- (2) Option
- src: This option specifies disk slot number which is a source of the copy. (ex. src=0) or port number and cascade numbers and disk slot numbers for the external disks on disk enclosures which is a source of the copy. (e.g. src=0-0-0).
- dist: This option specifies disk slot number which is a destination of the copy. (ex. dist=0) or port number and cascade numbers and disk slot numbers for the external disks on disk enclosures which is a destination of the copy. (e.g. dist=0-0-0).

force: The command is executed without interactive operation with the user.

- (3) Usage example
- Example:When you start coyback from a disk attached to slot#0 to a disk attached to slot#1. # start raid copyback SB 0-0 src=0 dist=1
- (4) Message

The following table lists the messages which are displayed in this CLI.

The command is executed successfully.
The operation is canceled
Too much arguments argc=%d.
Too few arguments argc=%d.
The specified parameter is invalid. %s
The specified controller is not found.
Port and cascade number is required in the parameter since more than 2 enclosures are connected.
Internal error [%d:%d].
The operation is failed. %s
Unable to execute the command because the %s is under maintenance.
Unable to process raid operation because you have not authority to access to the system assigned to the raid controller.
Unable to process raid operation because you have not authority to access to the Partition#%d assigned to the raid controller.

2.6.35 cancel raid copyback

Cancels copyback to the specificed disk.

Privilege: Administrator, Operator, Partition Operator (Only managed partition)

(1) Input format

cancel raid copyback [SB | DU | IOU | PCI_BOX] <UNIT#>-<PCISLOT#> disk=[<DISKSLOT#> | <PORT#>-<CASCADE#>-<DISKSLOT#>] {force}

(2) Option

disk: This option specifies disk slot numbers for the internal disks (e.g. disk=0) or port number and cascade numbers and disk slot numbers for the external disks on disk enclosures (e.g. disk=0-0-0). force: The command is executed without interactive operation with the user.

- (3) Usage example
 - Example:When you cancel copyback to a disk attached to slot#0. # cancel raid copyback SB 0-0 disk=0
- (4) Message

The following table lists the messages which are displayed in this CLI.

The command is executed successfully.
The operation is canceled
Too much arguments argc=%d.
Too few arguments argc=%d.
The specified parameter is invalid. %s
The specified controller is not found.
Port and cascade number is required in the parameter since more than 2 enclosures are connected.
Internal error [%d:%d].
The operation is failed. %s
Unable to execute the command because the %s is under maintenance.
Unable to process raid operation because you have not authority to access to the system assigned to the raid controller.
Unable to process raid operation because you have not authority to access to the Partition#%d assigned to the raid controller.

2.6.36 start raid mdc

Starts make data consistency (MDC) to the specified logical drive.

Privilege: Administrator, Operator, Partition Operator (Only managed partition)

(1) Input format

start raid mdc [SB | DU | IOU | PCI_BOX] <UNIT#>-<PCISLOT#> target=<TargetID>
{force}

(2) Option

target: This option specifies targetID of the logical drive. (ex. target=0). force: The command is executed without interactive operation with the user.

(3) Usage example
 Example:When you start MDC to the logical drive#0.
 # start raid mdc SB 0-0 target=0

(4) Message

The following table lists the messages which are displayed in this CLI.

The command is executed successfully.
The operation is canceled
Too much arguments argc=%d.
Too few arguments argc=%d.
The specified parameter is invalid. %s
The specified controller is not found.
Internal error [%d:%d].
The operation is failed. %s
Unable to execute the command because the %s is under maintenance.
Unable to process raid operation because you have not authority to access to the system assigned to the raid controller.
Unable to process raid operation because you have not authority to access to the Partition#%d assigned to the raid controller.

2.6.37 cancel raid mdc

Cancels make data consistency (MDC) to the specified logical drive.

Privilege: Administrator, Operator, Partition Operator (Only managed partition)

(1) Input format

cancel raid mdc [SB | DU | IOU | PCI_BOX] <UNIT#>-<PCISLOT#> target=<TargetID>
{force}

(2) Option

target: This option specifies targetID of the logical drive. (ex. target=0). force: The command is executed without interactive operation with the user.

(3) Usage example
 Example:When you start MDC to the logical drive#0.
 # start raid mdc SB 0-0 target=0

(4) Message

The following table lists the messages which are displayed in this CLI.

The command is executed successfully.
The operation is canceled
Too much arguments argc=%d.
Too few arguments argc=%d.
The specified parameter is invalid. %s
The specified controller is not found.
Internal error [%d:%d].
The operation is failed. %s
Unable to execute the command because the %s is under maintenance.
Unable to process raid operation because you have not authority to access to the system assigned to the raid controller.
Unable to process raid operation because you have not authority to access to the Partition#%d assigned to the raid controller.

2.6.38 start raid patrol

Starts patrol read to the specified adapter.

Privilege: Administrator, Operator, Partition Operator (Only managed partition)

(1) Input format

start raid patrol [SB | DU | IOU | PCI_BOX] <UNIT#>-<PCISLOT#> {force}

(2) Option

force: The command is executed without interactive operation with the user.

(3) Usage example

Example:When you start patrol read to the adapter attached to SB#0. # start raid patrol SB 0-0

(4) Message

The following table lists the messages which are displayed in this CLI.

The command is executed successfully.
The operation is canceled
Too much arguments argc=%d.
Too few arguments argc=%d.
The specified parameter is invalid. %s
The specified controller is not found.
Internal error [%d:%d].
The operation is failed. %s
Unable to execute the command because the %s is under maintenance.
Unable to process raid operation because you have not authority to access to the system assigned to the raid
controller.
Unable to process raid operation because you have not authority to access to the Partition#%d assigned to the
raid controller.

2.6.39 cancel raid patrol

Cancels patrol read to the specified adapter.

Privilege: Administrator, Operator, Partition Operator (Only managed partition)

(1) Input format

cancel raid patrol [SB | DU | IOU | PCI_BOX] <UNIT#>-<PCISLOT#> {force}

(2) Option

force: The command is executed without interactive operation with the user.

(3) Usage example

Example:When you cancel patrol read to the adapter attached to SB#0. # cancel raid patrol SB 0-0

(4) Message

The following table lists the messages which are displayed in this CLI.

The command is executed successfully.
The operation is canceled
Too much arguments argc=%d.
Too few arguments argc=%d.
The specified parameter is invalid. %s
The specified controller is not found.
Internal error [%d:%d].
The operation is failed. %s
Unable to execute the command because the %s is under maintenance.
Unable to process raid operation because you have not authority to access to the system assigned to the raid
controller.
Unable to process raid operation because you have not authority to access to the Partition#%d assigned to the
raid controller.

2.6.40 make raid online

Makes online the specificed disk.

Privilege: Administrator, Operator, Partition Operator (Only managed partition)

(1) Input format

make raid online [SB | DU | IOU | PCI_BOX] <UNIT#>-<PCISLOT#> disk=[<DISKSLOT#> |
<PORT#>-<CASCADE#>-<DISKSLOT#>] {force}

(2) Option

disk: This option specifies disk slot numbers for the internal disks (e.g. disk=0) or port number and cascade numbers and disk slot numbers for the external disks on disk enclosures (e.g. disk=0-0-0). force: The command is executed without interactive operation with the user.

- (3) Usage example
- Example:When you make online a disk attached to slot#0. # make raid online SB 0-0 disk=0
- (4) Message

The following table lists the messages which are displayed in this CLI.

The command is executed successfully.
The operation is canceled
Too much arguments argc=%d.
Too few arguments argc=%d.
The specified parameter is invalid. %s
The specified controller is not found.
Port and cascade number is required in the parameter since more than 2 enclosures are connected.
Internal error [%d:%d].
The operation is failed. %s
Unable to execute the command because the %s is under maintenance.
Unable to process raid operation because you have not authority to access to the system assigned to the raid controller.
Unable to process raid operation because you have not authority to access to the Partition#%d assigned to the raid controller.

2.6.41 make raid offline

Makes offline the specificed disk.

Privilege: Administrator, Operator, Partition Operator (Only managed partition)

(1) Input format

make raid offline [SB | DU | IOU | PCI_BOX] <UNIT#>-<PCISLOT#> disk=[<DISKSLOT#> | <PORT#>-<CASCADE#>-<DISKSLOT#>] {force}

(2) Option

disk: This option specifies disk slot numbers for the internal disks (e.g. disk=0) or port number and cascade numbers and disk slot numbers for the external disks on disk enclosures (e.g. disk=0-0-0). force: The command is executed without interactive operation with the user.

- (3) Usage example
- Example:When you make offline a disk attached to slot#0. # make raid offline SB 0-0 disk=0
- (4) Message

The following table lists the messages which are displayed in this CLI.

For details of the messages, see the PRIMEQUEST 2000 Series Message Reference (CA92344-0540).

The command is executed successfully.
The operation is canceled
Too much arguments argc=%d.
Too few arguments argc=%d.
The specified parameter is invalid. %s
The specified controller is not found.
Port and cascade number is required in the parameter since more than 2 enclosures are connected.
Internal error [%d:%d].
The operation is failed. %s
Unable to execute the command because the %s is under maintenance.
Unable to process raid operation because you have not authority to access to the system assigned to the raid controller.
Unable to process raid operation because you have not authority to access to the Partition#%d assigned to the raid controller.

2.6.42 replace raid missing_drive

Replaces the disk to the specified logical drive which has missing drive.

Privilege: Administrator, Operator, Partition Operator (Only managed partition)

(1) Input format

replace raid missing_drive [SB | DU | IOU | PCI_BOX] <UNIT#>-<PCISLOT#> disk=[<DISKSLOT#> | <PORT#>-<CASCADE#>-<DISKSLOT#>] target=<TargetID#> {force}

(2) Option

disk: This option specifies disk slot numbers for the internal disks (e.g. disk=0) or port number and cascade numbers and disk slot numbers for the external disks on disk enclosures (e.g. disk=0-0-0). target: This option specifies targetID of the logical drive which has missing drives. (ex. target=0)

force: The command is executed without interactive operation with the user.

- (3) Usage example
 - Example:When you replace a disk attached to slot#0 to the logical drive#0 which has missing drive. # replace raid missing_drive SB 0-0 disk=0 target=0
- (4) Message

The following table lists the messages which are displayed in this CLI.

For details of the messages, see the PRIMEQUEST 2000 Series Message Reference (CA92344-0540).

The command is executed successfully.
The operation is canceled
Too much arguments argc=%d.
Too few arguments argc=%d.
The specified parameter is invalid. %s
The specified controller is not found.
Port and cascade number is required in the parameter since more than 2 enclosures are connected.
Internal error [%d:%d].
The operation is failed. %s
Unable to execute the command because the %s is under maintenance.
Unable to process raid operation because you have not authority to access to the system assigned to the raid controller.
Unable to process raid operation because you have not authority to access to the Partition#%d assigned to the raid controller.

2.6.43 show raid adapter

Displays RAID adapter information.

- Privilege: All
 - (1) Input format

```
show raid adapter {[SB | DU | IOU | PCI_BOX] <UNIT#>-<PCISLOT#>} {[supported-
raid-level | mfg-data | settings | log]}
```

(2) Option

supported-raid-level: This option shows supported raid level for the specify RAID adapter. mfg-data: This option shows manufacturer data for the specify RAID adapter. settings: This option shows an adapter firmware settings for the specify RAID adapter. log: This option shows an adapter firmware log for the specify RAID adapter.

- (3) Usage example
 - Example: When you display RAID adapter list. # show raid adapter

	•		
Location	Product Name	Serial number	FW version
SB 0-0	FTS RAID Ctrl SAS 6G 1GB (D3116C)	0000000041232964	23.9.0-0029
DU 0-0	FTS RAID Ctrl SAS 6G 1GB (D3116C)	0000000041432879	23.9.0-0029
DU 0-1	FTS RAID Ctrl SAS 6G 1GB (D3116C)	000000041433203	23.9.0-0029
IOU 2-3	LSI MegaRAID SAS 9286CV-8e	SV225P2246	23.9.0-0029
PCIBox 1-8	LSI MegaRAID SAS 9286CV-8e	SV225P2374	23.9.0-0029

Example: When you display the RAID adapter on SB#0.

# show raid adapter SB 0-0	
----------------------------	--

Product Name:	FTS RAID Ctrl SAS 6G 1GB (D3116C)
Serial Number:	000000041232964
Ports:	8
Protocol:	SAS600
VendorID/ DeviceID:	1000/005B
SubVendorVID/SubDeviceID:	1734/11E4
Firmware package version:	23.9.0-0029
NVRAM size:	32 KB
Memory size:	1024 MB
FlashROM size:	16 MB
Temperature:	49 deg C

(4) Message The following table lists the messages which are displayed in this CLI.

For details of the messages, see the PRIMEQUEST 2000 Series Message Reference (CA92344-0540)..

No controller is available.
Too much arguments argc=%d.
Too few arguments argc=%d.
The specified parameter is invalid. %s
The specified controller is not found.
Internal error [%d:%d].
The operation is failed. %s
Unable to execute the command because the %s is under maintenance.

2.6.44 show raid disk_enclosure

Displays disk enclosures information attached to the specified RAID adapter.

Privilege: All

(1) Input format

```
show raid disk_enclosure [IOU | PCI_BOX] <UNIT#>-<PCISLOT#> {encl=<Port#>-
<Cascade#>}
```

(2) Option

encl: This option specifies port number and cascade number for the target disk enclosure. (ex. encl=0-0).

- (3) Usage example
 - Example: When you display disk enclosures attached to the RAID adapter on IOU#2-PCI slot#3. # show raid disk_enclosure IOU 2-3

Port	Cascade	Vendor	Product	Туре
0	0	FUJITSU	JX40	0302
0	1	FUJITSU	JX40	0302
1	0	FUJITSU	JX40	0302
1	1	FUJITSU	JX40	0302

 Example: When you display the disk enclosure attached to port#0-cascade#0 of RAID adapter on IOP#2-PCI slot#3.
 # show raid disk, enclosure IOLL2-3 encl=0-0.

# show raid disk_enclosure IOU	2-3 encl=0-0
Product Name:	FUJITSU ETERNUS JX40
Status:	ОК
Vendor:	FUJITSU
Product:	JX40
Port number:	0
Cascade:	1
DeviceID:	48
SAS address:	51463080001ABC3E
Firmware version:	0302

(4) Message

The following table lists the messages which are displayed in this CLI.

For details of the messages, see the PRIMEQUEST 2000 Series Message Reference (CA92344-0540)..

No enclosure is connected to the controller.
Too much arguments argc=%d.
Too few arguments argc=%d.
The specified parameter is invalid. %s
The specified controller is not found.
The specified enclosure is not connected.
Internal error [%d:%d].
The operation is failed. %s
Unable to execute the command because the %s is under maintenance.

2.6.45 show raid physical_drive

Displays disk information attached to the specified RAID adapter.

Privilege: All

(1) Input format

```
show raid physical_drive [SB | DU | IOU | PCI_BOX] <UNIT#>-<PCISLOT#>
{disk=[<DISKSLOT#> | <PORT#>-<CASCADE#>-<DISKSLOT#>]} {action-progress}
```

(2) Option

disk: This option specifies disk slot number (ex. disk=0) or port, cascade and slot number. (ex. disk=0-0-0). action-progress: This option shows action progress for the specify disk.

- (3) Usage example
 - Example: When you display disk list attached to the RAID adapter on SB#0. # show raid physical drive SB 0-0

Slot	Status	Interface	Туре	Vendor	Product	Capacity	Action in progress
0	Operational	SAS	HDD	FUJITSU	MBD2300RC	300 GB	-
1	Operational	SAS	HDD	FUJITSU	MBD2300RC	300 GB	-
3	Available	SAS	SSD	SEAGATE	ST9146802SS	146 GB	-

Example: When you display the disk on slot#1 on SB#0. # show raid physical_drive_SB 0-0_disk=1

# show raid physical_drive SB	0-0 disk=1
Slot:	1
Status:	Operational
Foreign configuration:	No
Interface type:	SAS
Interface type	SAS
Link speed:	6.0Gb/s
Max device speed:	6.0Gb/s
Туре:	HDD
Vendor:	FUJITSU
Product:	MBD2300RC
Firmware version:	5201
Serial number:	D0A7PA303NMF
Physical size:	300 GB
Configured size:	300 GB
SAS address:	500000E114722F42
Power status:	Active
Action in progress	-

(4) Message

The following table lists the messages which are displayed in this CLI.

For details of the messages, see the PRIMEQUEST 2000 Series Message Reference (CA92344-0540)...

No physical drive is connected to the controller.	
Too much arguments argc=%d.	
Too few arguments argc=%d.	
The specified parameter is invalid. %s	
The specified controller is not found.	
Port and cascade number is required in the parameter since more than 2 enclosures are connected.	
Internal error [%d:%d].	
Unable to execute the command because the system is under maintenance.	
Unable to execute the command because the Partition#%d is under maintenance.	

2.6.46 show raid physical_drive_count

Displays disk counts attached to the specified RAID adapter.

Privilege: All

(1) Input format

```
show raid physical_drive_count [SB | DU | IOU | PCI_BOX] <UNIT#>-<PCISLOT#>
{encl=<Port#>-<Cascade#>}
```

(2) Option

encl: This option specifies port, cascade and slot number for the target enclosure. (ex. encl=0-0).

- (3) Usage example
 - Example: When you display disk count attached to the RAID adapter on SB#0. # show raid physical_drive_count SB 0-0
- Example: When you display disk count in the disk enclosure port#0-cascade#0 attached to the RAID adapter on IOU#0-PCI slot#1.
 # show raid physical_drive_count IOU 0-1 encl 0-0 24
- (4) Message

The following table lists the messages which are displayed in this CLI.

For details of the messages, see the PRIMEQUEST 2000 Series Message Reference (CA92344-0540)..

Too much arguments argc=%d.	
Too few arguments argc=%d.	
The specified parameter is invalid. %s	
The specified controller is not found.	
Internal error [%d:%d].	
The operation is failed. %s	
Unable to execute the command because the %s is under maintenance.	

2.6.47 show raid logical_drive

Displays logical drive information attached to the specified RAID adapter.

Privilege: All

(1) Input format

show raid logical_drive [SB | DU | IOU | PCI_BOX] <UNIT#>-<PCISLOT#>
{target=<Target#>} {action-progress}

(2) Option

target: This option specifies target id (ex. target=0)

action-progress: This option shows action progress for the specify logical drive.

- (3) Usage example
 - Example: When you display logical drive list attached to the RAID adapter on SB#0. # show raid logical_drive SB 0-0

Target Id	Status	Name	Size	RAID	Action in progress
0	Operational	RHEL7	136.00 GB	RAID-0	-
1	Operational	WS2012R2	278.00 GB	RAID-1	Back ground initialization

Example: When you display the logical drive#1 on SB#0. # show raid logical_drive SB 0-0 target=1

# show raid logical_drive SB 0-0 ta			arget=1			
	Target II	D:		1		
	Status:			Operation	nal	
	Name:			WS2012	R2	
	RAID lev	vel:		RAID-1		
	Strip size	e		64K		
	Logical	size		278.00 G	В	
	Read mo	ode		Read-ahe	ead	
	Write mo	ode:		Write-bac	ck	
	Cache m	node:		Direct		
	Disk cac	he mode:		Disabled		
	Backgro	und initializatio	on:	Enabled		
	Action in	progress		Back gro	und initialization	
	Configur	red drives:				
	Slot	Span	Start blo	ck	Length[Blocks]	Length[MB/GB]
	1	0	0		584843264	285568/278
	2	0	0		584843264	285568/278

(4) Message

The following table lists the messages which are displayed in this CLI.

For details of the messages, see the PRIMEQUEST 2000 Series Message Reference (CA92344-0540)..

No logical drive is assigned to the controller.
Too much arguments argc=%d.
Too few arguments argc=%d.
The specified parameter is invalid. %s
The specified controller is not found.
Internal error [%d:%d].
The operation is failed. %s
Unable to execute the command because the %s is under maintenance.

2.6.48 show raid logical_drive_count

Displays logical drive counts attached to the specified RAID adapter.

Privilege: All

(1) Input format

(2) Option

None.

- (3) Usage example
 - Example: When you display logical drive count attached to the RAID adapter on SB#0. # show raid logical_drive_count SB 0-0 2

(4) Message

The following table lists the messages which are displayed in this CLI.

For details of the messages, see the PRIMEQUEST 2000 Series Message Reference (CA92344-0540)..

Too much arguments argc=%d.
Too few arguments argc=%d.
The specified parameter is invalid. %s
The specified controller is not found.
Internal error [%d:%d].
The operation is failed. %s
Unable to execute the command because the %s is under maintenance.

2.6.49 show raid bbu

Displays FBU information attached to the specified RAID adapter.

Privilege: All

(1) Input format

(2) ne (3)	# show raid bbu SB 0-0 Status: Type: Vendor: Manufacturer date:	ay FBU information on SB#0. Normal FBU LSI
(3) ·	Example: When you displ # show raid bbu SB 0-0 Status: Type: Vendor: Manufacturer date:	Normal FBU LSI
	Type: Vendor: Manufacturer date:	FBU LSI
	Vendor: Manufacturer date:	LSI
	Manufacturer date:	-
		03/21/2012
	Intelligent BBU:	Yes
	Auto learn mode:	Transparent
	Next learn time:	Thu 17 Jul 2014 01:09:23 PM
	Auto learn period:	28 Days
	Design voltage:	9.411 V
	Voltage:	9.518 V
	Temperature:	27 deg C
	Design capacity:	283 J
	Remaining capacity:	321 J
	Capacitance:	100 %
(4) e following ta	Message able lists the messages whi	ich are displayed in this CLI.
details of th	ne messages, see the PRIM	IEQUEST 2000 Series Message Reference (CA92344-0540)
No logical	I drive is assigned to the co	ntroller.
	arguments argc=%d.	
	rguments argc=%d. fied parameter is invalid. %	

The specified controller is not found.

Internal error [%d:%d].

The operation is failed. %s

Unable to execute the command because the %s is under maintenance.

2.6.50 set pci_ecrc_mode

Enable/disable of ECRC(End-to-End CRC Protection for PCIe IO Subsystem) of the ssystem is set. This function can be available in the PRIMEQUEST 2800B3. A set value of default is enable (effective).

enable : ECRC effective disable : ECRC invalidity

This command is executable only for power supply Off of the system, and the setting is reflected at the time of power supply On of the system.

The following messages are displayed when this command is executed for the system of power supply On and the setting is controlled.

Unable to change the mode while the system is running. Please try to change the mode after the system is shutdown.

• Privilege: Administrator, Operator

(2) Input format

set pci_ecrc_mode [enable|disable]

(3) Option

quiet: Command is executed without interacting with the user.

(5) Usage example
 Example: When you invalidate the ECRC setting of system.
 # set partition pci_ecrc_mode disable
 pci_ecrc_mode : disable
 #

(6) Message

The following table lists the messages which are displayed in this CLI.

For details of the messages, see the PRIMEQUEST 2000 Series Message Reference (CA92344-0540).

pci_ecrc_mode : enable
pci_ecrc_mode : disable
The specified parameter is invalid.
Failed to execute set pci_ecrc_mode command.
Unable to change the mode while the system is running.
Please try to change the mode after the system is shutdown.
Unable to execute this command because you have not authority to operate this system.

2.6.51 show pci_ecrc_mode

Displays a setting of ECRC of the system enable/disable. This function can be available in the PRIMEQUEST 2800B3.

enable : ECRC effective disable : ECRC invalidity

- Privilege: All
 - (5) Input format

show pci_ecrc_mode

(6) Option

None.

- (7) Usage example
- Example: When you display the ECRC setting of system. # show partition pci_ecrc_mode pci_ecrc_mode : enable #

(8) Message

The following table lists the messages which are displayed in this CLI.

For details of the messages, see the PRIMEQUEST 2000 Series Message Reference (CA92344-0540)..

pci_ecrc_mode : enable
pci_ecrc_mode : disable
The specified parameter is invalid.
Unable to execute this command on a standby MMB.
Failed to execute %s command.
Failed to execute show pci_ecrc_mode command.
System Configuration Failed.

CHAPTER 3 UEFI Menu Operations

This chapter describes about the UEFI menu operations.

The UEFI has a menu that offers operations including selective booting of the operating system, starting the UEFI shell, and changing the settings of boot options. To execute each function, move to the relevant menu from the front page of Boot Manager.

For details on [sadump Configuration], see "Chapter 6 Setting up the sadump Environment".

3.1 Front page of Boot Manager

The Front page of Boot Manager is the top page of UEFI. In this window, you can move to Boot processing or can move to Boot Manager, Device Manager and Boot Maintenance Manager by using a relevant menu.



FIGURE 3.1 Display Example of Front page of Boot Manager

3.1.1 Window area

The Front page of Boot Manager is divided into 3 parts as shown in "FIGURE 3.2 Window area of Boot Manager Front Page"

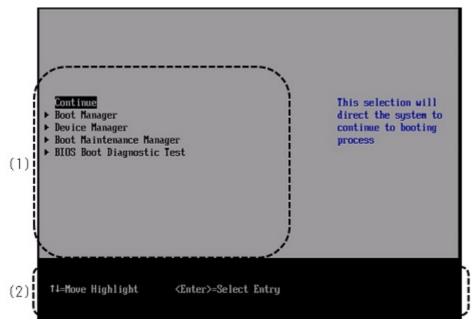


FIGURE 3.2 Window area of Boot Manager Front Page

(1) Menu selection

Displays selection menu shown in "TABLE 3.1 Display item of menu selection".

Item	Explanation
Continue	If you select 'Continue', boot is executed in the sequence that has
	presently been set.
Boot Manager	Displays "3.3 [Boot Manager] Menu"
Device Manager	Displays "3.4 [Device Manager] Menu"
Boot Maintenance Manager	Displays "3.5 [Boot maintenance Manager] Menu"
BIOS Boot Diagnotstic Test	Executes BIOS Boot Diagnotstic Test.
	After execution, the power supply to the partition must be turned Off.

(2) Operation help display part

The help for operations mentioned on this page is shown in the "TABLE 3.2 Display Items on Operation Help Display".

Item	Description
1↓=Move Highlight	Moves the cursor in up and down directions.
<enter> = Select Entry</enter>	Selects the item.

TABLE 3.2 Display Items on Operation Help Display

3.2 [Continue] Menu

In [Continue] Menu, the process is transited to automatic boot of operating system, and the system is booted in the existing boot order.

3.3 [Boot Manager] Menu

In [Boot Manager] Menu, device for boot can be specified. The [Boot Manager] menu, lists boot devices as shown in "FIGURE 3.3 Display example of [Boot Manager] Menu" Individual Boot device which is displayed in menu is called as Boot option.

Boot Manager				
Boot Option Meau Dimious Boot Manager EFI Internal Shell Legacy CD ROM Fujitsu Virtual CD EFI USB Device EFI USB Device 1 EFI USB Device 2 EFI Network 1 EFI Network 1 EFI Network 2 1 and 4 to change op		Device Path : HD 12.6PT.6EEB5883-5B0 -49BC-BA6B-A4DBB26E3F4 4.0x96800.0x32000)/\E T\Microsoft\Boot\bootz gfw.efi		
74=Move Highlight	<enter>-Select Entry</enter>	Esc=Exit		

FIGURE 3.3 Display example of [Boot Manager] Menu

3.3.1 Boot Option

In boot option, there are two types such as boot type for UEFI Aware operating system and boot type for legacy operating system. The difference in these two types is given below.

Method of specifying the boot device

As for the boot device specification of UEFI Aware Operating System, the executable file can be specified up to the unit by the device path expression based on the UEFI specification. On the contrary, for the boot device specification of legacy operating system, the device can be specified up to the unit.

Method of specifying boot priority

Change of boot priority is possible by rearranging the boot option.

It can be changed by [Change Boot Order] window of [Boot options] (See"■[Change Boot Order] menu")

Startup priority of Default

The following table shows the boot order of initial state.

Priority	Boot option
1	Legacy CD ROM
2	Legacy Floppy
3	EFI Internal Shell
4	EFI: Fujitsu Virtual CDROM
5	EFI USB Device

TABLE 3.3 Initial state	of boot order when	Virtual Media is connected

3.3.2 Boot specification of UEFI

In boot manager menu boot option is displayed according to the boot priority. The boot option displayed at the top has highest priority option and the boot is tested first. [Windows Boot Manager] displayed in example shown in "FIGURE 3.4 Boot Option of Boot Manager" is created when Windows server of Windows Server 2008 (or later) which is UEFI Aware operating system, is installed. In this example, boot for Windows server 2008 (or later) of UEFI Aware operating system, is tested initially.

Boot Option Menu Indows Boot Manager EFI Internal Shell Legacy CD ROM Fujitsu Virtual CDROMO 1.00 EFI USB Device EFI USB Device 1 EFI USB Device 2 EFI Network EFI Network 1 EFI Network 2 1 and 4 to change option. ENTER to select an	Device Path : HD(2.GPT.GEE05803-5804 -498C-8668-64D882063F4 4.0x96000.0x32000)/\EF T\Microsoft\Boot\boota gfw.efi
↑1=Move Highlight <enter>=Select Entry</enter>	Esc=Exit

FIGURE 3.4 Boot Option of Boot Manager

If booting is successful, the operating system is booted. If the booting is failed, the following boot option is booted. In the example of "FIGURE 3.4 Boot Option of Boot Manager", EFI Internal Shell is booted.

The priority level of the boot of UEFI Aware operating system can be changed by the [Change Boot Order] window of the [Boot Options] menu. (See "■ [Change Boot Order] Menu".)

When the boot option is added, and deleted, the [Add Boot Option] menu (See "■ [Add Boot Option] menu") of the [Boot Options] menu and the [Delete Boot Option] menu (See "■ [Delete Boot Option] menu") are used.

3.3.3 About boot specification of legacy BIOS

Boot of legacy operating system is executed by specifying the legacy boot option (Boot option which displays device name without displaying EFI) from the [Boot Manager] menu.

In "FIGURE 3.5 Execution of Legacy Boot Option", Fujitsu Virtual CDROM0 1.00 which is under the control of Legacy CD ROM is a legacy boot option.

FIGURE 3.5 Execution of Legacy Boot Option

Boot Manager				
Boot Option Menu Jindows Boot Manager EFI Internal Shell Legacy CD ROM Fujitsu Virtual CD EFI USB Device 1 EFI USB Device 2 EFI Network 1 EFI Network 1 EFI Network 2 1 and 4 to change op		Device Path : HD(2,GPT.GEE05003-5804 -49BC-B06B-A4DBB20E3P4 4.0x96000.0x32000)/\EF I\Microsoft\Boot\bootw gfw.efi		

The priority level of starting the legacy operating system is changed from the [Change Boot Order] menu.

When the boot processing of legacy operating system is executed once, only the boot option of legacy operating system is executed. The boot option of the UEFI boot whose priority level is lower than the boot option of legacy operating system is not booted automatically. For example, boot of legacy operating system is executed when Legacy CD ROM is moved above Windows Boot Manager, and the boot of Windows is not executed automatically. Specifically, set according to the following procedures.

1. Decide the boot priority level by the [Change Boot Order] window of the [Boot Options] menu. (See "■ [Change Boot Order] menu".)

2. Set startup priority level of multiple Floppy in the [Set Legacy Floppy Drive Order] menu of the Boot Options menu. (See "
[Set Legacy Floppy Drive Order] menu".)

3. Set startup priority level of multiple HDD in the [Set Legacy HardDisk Drive Order] menu of the Boot Options menu. (See "
[Set Legacy HardDisk Drive Order] menu".)

4. Decide priority level between multiple DVD/CD according to the [Set Legacy DVD/CD-ROM Drive Order] menu of the Boot Options menu. (See "■ [Set Legacy DVD/CD-ROM Drive Order] menu".) In the boot specification of legacy BIOS, the priority level between multiple DVD/CD can be set in the DVD/CD type.

5. Decide priority level between multiple network ports according to the [Set Legacy NET Drive Order] menu of the [Boot Options] menu. (See "■ [Set Legacy NET Drive Order] menu".) In the boot specification of legacy BIOS, the priority level between multiple network ports can be set in the network port type.

3.3.4 Boot processing

1. Flow of startup of boot processing

The flow of the startup by the boot specification of the boot specification of UEFI and legacy BIOS is shown in "TABLE 3.4 Flow of startup by boot specification of UEFI and boot specification of legacy BIOS".

TABLE 3.4 Flow of startup by boot specification of UEFI and boot specification of legacy BIOS

UEFI boot specification	Flow of startup			
< Boot priority level of UEFI Aware operating system>				
Tries boot of UEFI Aware in the sec	quence of Boot Order.			
1 Windows Boot Manager: Tries bo	oot of Windows Boot Manager			
2 EFI USB Device: Tries boot of UE	EFI Aware operating system from USB Device.			
3 EFI Network Device: Tries boot o	f UEFI Aware operating system from network port.			
The legacy boot option from each l	egacy device described as follows is an example.			
The UEFI boot option whose pr	iority level is lower than the legacy boot option is not booted			
automatically.				
4 Fujitsu Virtual CDROMO 1.00: Tr	ies legacy operating system boot from CD ROM of legacy.			
5 EFI USB Device 2: Priority is low	er than the Legacy Boot Option thus unable to boot automatically.			
6. Fujitsu Virtual Floppy0 1.00: Trie	s legacy operating system boot from Floppy drive of the legacy.			
7. EFI Internal Shell: Starts UEFI S	hell.			

2. Flow of processing when boot processing success / fails

The flow of processing when success/fails in the boot processing of the each operating system is shown as follows.

· If booting of Windows Server 2008 R2 which has UEFI Aware operating system is successful

UEFI Boot specificationsFlow of start-up1 Windows Boot Manager : Tries the boot of Windows Boot ManagerBoot success – Windows Boot2 EFI USB Device3 EFI Network Device4 FujitsuVirtualCDROM01.005 EFI USBDevice26 Fujitsu Virtual Floppy0 1.007 UEFI Internal Shell: Starts UEFI Shell

TABLE 3.5 Boot success of Windows Server 2008 R2

If boot of Windows Server 2008 on UEFI Aware operating system fails or if UEFI is booted from USB Device

•

TABLE 3.6 Boot failure of Windows Server 2008 (UEFI Boot success of EFI USB Device)

UEFI Boot specifications	Flow of start-up
1 Windows Boot Manager : Tries the boot of Windows Boot Manager	
	- Boot Failure
2 EFI USB Device	
	- Boot Start up
3 UEFI Network Device	
4 Fujitsu Virtual CDROM0 1.00	
5 EFI USB Device 2	
6 Fujitsu Virtual Floppy0 1.00	
7 EFI Internal Shell: Starts UEFI Shell	

If boot of Windows Boot Manager, EFI Network Device and EFI USB Device fails or if booted from Legacy Floppy

TABLE 3.7 If boot of Windows Boot Manager, EFI Network Device and EFI USB Device fails or if booted from Legacy Floppy

UEFI Boot specifications	Flow of start-up	
1 Windows Boot Manager : Tries the boot of Windows Boot Manager		
	- Boot Failure	
2 EFI USB Device		
	- Boot Failure	
3 EFI Network Device		
	- Boot Failure	
4 Fujitsu Virtual CDROM0 1.00	Tries the Legacy operating system Boot from high priority Set Legacy CD-ROM Drive Order.	
	- Boot Failure	
5 EFI USB Device 2	Priority is lower than the Legacy Boot Option thus unable to boot automatically.	
6 Fujitsu Virtual Floppy0 1.00		
	- Boot Failure	
7 EFI Internal Shell: Starts UEFI Shell		

If UEFI Aware Operating System Boot and Legacy Operating System Boot fails and if UEFI Start up is successful

TABLE 3.8 If UEFI Aware operating system Boot and Legacy operating system Boot fails and if UEFI Start up is successful

UEFI Boot specifications	Flow of start-up
1 Windows Boot Manager : Tries the boot of	Windows Boot Manager
	- Boot Failure
2 EFI USB Device	
	- Boot Failure
3 EFI Network Device	
	- Boot Failure
4 Fujitsu Virtual CDROM0 1.00	Tries the Legacy operating system Boot from high priority
	Set Legacy CD-ROM Drive Order.
	- Boot Failure
5 EFI USB Device 2	Priority is lower than the Legacy Boot Option thus unable
	to boot automatically.
6 Fujitsu Virtual Floppy0 1.00	
	- Boot Failure
7 EFI Internal Shell: Starts UEFI Shell	- UEFI Shell Start up

3. Definition of Boot failure

There are 2 types of failure for Booting process.

- Failure in which process can be shifted to the next boot option
- · Failure in which process cannot be shifted to the next boot option
- Failure in which process can be shifted to the next boot option

Failure in which process can be shifted to the next boot option is the state where boot process fails because of the absence of boot target. Specifically, following failure patterns exist.

- In boot process of UEFI Aware operating system (such as Windows Boot Manager), the targeted device cannot be connected.
- In boot process of UEFI Aware operating system (Such as Windows Boot Manager), the targeted device cannot be recognized.
- In boot process of UEFI Aware operating system (Such as Windows Boot Manager), UEFI partition was not exist in targeted device.
- In boot of UEFI: Embedded DVD/CD, UEFI: DVD/CD n, media was not found in the corresponding DVD/CD device.
- In boot of UEFI: Embedded DVD/CD, UEFI: DVD/CD n, media which is mounted on the corresponding DVD/CD device was not a media which can perform booting.
- In HDD boot of Legacy Boot, HDD cannot be connected.
- In HDD boot of Legacy Boot, HDD cannot be recognized.
- · In HDD boot of Legacy Boot, nothing can be written in HDD.
- In DVD/CD boot of Legacy Boot, DVD/CD device cannot be recognized.
- In DVD/CD boot of Legacy Boot, media was not found in the corresponding DVD/CD device
- In DVD/CD boot of Legacy Boot, media which is mounted in the corresponding DVD/CD device was a media which can perform booting.
- In PXE boot of Legacy Boot, LAN cable cannot be connected.
- In PXE boot of Legacy Boot, setting of server side could not be done.
- · In boot of EFI Network (MAC addr), LAN cable cannot be connected.
- In boot of EFI Network (MAC addr), the server side could not be set.
- Failure by which processing cannot be moved to the following boot option

Failure by which processing cannot be moved to the following boot option is a case in which the boot processing fails after transferring the control to operating system. For example, the case is considered, in which operating system program stored in the device which is targeted for booting, fails.

"Example of displayed menu of "FIGURE 3.6 Example of displayed [Boot Manager] menu" is an example of window immediately after the startup of the [Boot Manager] menu.



FIGURE 3.6 Example of displayed [Boot Manager] menu

(1)Page information display

Displayed as [Boot Manager]

(2) Menu selection

The boot device list is displayed by the priority of the startup. The cursor is set to operating system which is booted with $[\uparrow]$ key or with $[\downarrow]$ key, or the cursor is set to UEFI Shell, and the selection is done. If [Enter] key is pressed, the selected UEFI Aware operating system or legacy operating system tries a boot and UEFI shell tries a startup. If booting fails, returns to the Boot Manager front page.

(3) Operation help display

The help for operations mentioned on this page is shown in the "TABLE 3.9 Displayed contents of operation help display".

TABLE 3.9 Displayed contents of operation help display

Items	Description
↑↓= Move Highlight	Moves the cursor to up and down
<enter>=Select Entry</enter>	Selects the item.
Esc=Exit	Returns to "3.1 Boot Manager front page"

3.4 [Device Manager] Menu

Whether to allocate I/O space for each I/O device and whether to make PXE boot enable, are set in the [Device Manager] menu. The following window is window immediately after the startup of the [Device Manager] menu.

	 ISCSI (PCI Sut PCI Sut PCI Sut CPU Cor Monory USB Cor Securit Network LSI Neg Configu I/O Spate 	Information onfiguration system Config figuration Configuration figuration y Configuration y Configuration y Configuration aRAID (RAID) ration Utility ce Assignment onte Boot Configuration	puration n ion Ctrl SAS 66 0/1 ty - 01-33.00 t Configuration	(026877)>	This submenu provides details on the system configuration
--	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------	-----------	-----------------------------------------------------------------

FIGURE 3.7 Example of displayed [Device Manager] menu

22

Remarks

Integrated firmware version can be checked in [Unified Firmware Version] of [System] \rightarrow [Firmware Information] window of MMB Web-UI. For the details on [Firmware Information] window, see "".

(1) Page information display

Displayed as [Device Manager]

(2) Menu selection

The menu shown in "TABLE 3.10 Displayed contents of menu selection" is displayed.

Items	Description
System Information	Displays "3.4.1 [System Information] Menu"
LAN Remote Boot Configuration	Displays "3.4.2 [LAN Remote Boot Configuration] Menu"
CPU Configuration	Displays "3.4.3 [CPU Configuration] Menu" (*1)
PCI Subsystem Configuration	Displays "3.4.4 [PCI Subsystem Configuration] Menu" (*1)
iSCSI Configuration	Displays "3.4.5 [iSCSI Configuration] menu"
Memory Configuration	Displays "3.4.6 [Memory Configuration] menu" (*1)
USB Configuration	Displays "3.4.7 [USB Configuration] menu"
Security Configuration	Displays "3.4.8 [Security Configuration] menu" (*1)
Address Range Mirroring	Displays "3.4.11 [Address Range Mirroring Configuration] Menu" (*1)
Configuration	
Driver Health	Displays [Driver Health] menu
	(This menu is not supported in the PRIMEQUEST2000 series.)

TABLE 3.10 Displayed contents of menu selection

*1: The function setting is restricted in Extended Partitioning.

Remarks

The sequence of the menu may be changed according to the device configuration. Besides the above-mentioned menu, the displayed items may be increased by the sadump menu and the installed I/O device. For the details on the method of operating the sadump menu, "CHAPTER 6 Setting of sadump environment". Moreover, for the method of operating I/O device menu, see the manual which is provided by the vendor of I/O device.

(3) Operation help display

The description on operation key which is shown in the "TABLE 3.11 Displayed contents of operation help display" is displayed.

Items	Description
↑↓= Move Highlight	Moves the cursor up and down.
<enter>=Select Entry</enter>	Selects the item.
Esc=Exit	Returns to "3.1 Front page of Boot Manager"

3.4.1 [System Information] Menu

The information on the system is displayed in the System Information menu. There is no item which needs to be set in this menu.

The example of displayed window of [System Information] menu is shown below.

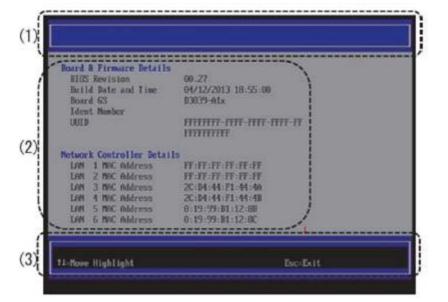


FIGURE 3.8 Example of displaying [System Information] menu

(1) Page information display

Displayed as System Information.

(2) System information display

The contents shown in "TABLE 3.12 Display Contents of the System Information Display" are displayed.

Items	Display Contents	
BIOS Revision	Displays BIOS revision.	
	Display example	
	00.44	
LAN N MAC Address	Displays the MAC address of Network Controller.	
N: 1, 2,	Display example	
	0:19:99:81:F9:31	
Processor Type	Displays processor type.	
	Display example	
	Genuine Intel(R) CPU @ 2.70GHz	
CPU - /Patch - ID	Displays CPUID, Patch ID.	
	Display example	
	206D6 / 00000610	
Processor Speed	Displays processor speed.	
	Display example	
	2700 MHz	
Cache Counts & Sizes (*1)	Displays cache size.	
	Display example	
	8x8 KB / 8x32 KB / 1x 20 MB	
Active Package, Core &	Displays the number of CPU packages, numbers of cores, and	
Thread Count (maximum)	numbers of threads.	
	Display example	
	2(2) Package(s) 8(16) Core(s) 16(32) Thread(s)	
Memory Size / Frequency	Displays memory size and frequency.	
	Display example	
	32768 MB (1333 MHz)	

TABLE 3.12 Display Contents of the S	System Information Display
TADLE 3.12 Display Contents of the S	$\gamma_{3} = 0$

(3) Help Operation Display

Explanation of the operation key shown in the "TABLE 3.13 Display Contents of Help Operation Display" is displayed.

Items	Description
$\uparrow\downarrow$ = Move Highlight	Move the cursor up and down
Esc=Exit	Return to the "3.1 Front page of Boot Manager".

3.4.2 [LAN Remote Boot Configuration] Menu

Network port implementing PXE/iSCSI boot can be selected in [LAN Remote Boot Configuration] Menu. In the menu, PXE bootable network port is displayed. It is possible to boot PXE/iSCSI from the targeted device by setting Enable after selecting network port which enables PXE/iSCSI boot. By default, the setting is such that all network ports and PXE/iSCSI boot cannot be implemented (Disabled).

The settings changed in this menu are enabled after the system is set. For the contents set in this menu, see "TABLE 3.14 Reflection of [LAN Remote Boot Configuration] Menu"

Setting contents	Reflected contents
UEFI (PXE/iSCSI) (*1)	Boot options of PXE boot are added in [Boot Manager].
	Moreover, network ports are added to [iSCSI Configuration] Menu (See "3.4.5 [iSCSI Configuration] menu") of [Device Manager] menu.
Legacy PXE (*2)	Boot options of PXE boot are added to [Set Legacy NET Drive Order
	Menu ("■ Change in order of priority ((Set Legacy NET Drive Order)" of
	"3.5.2 [Boot Options] menu") of [Boot Maintenance Manager] Menu
	This item is not displayed for the network port of the PCI LAN card.
Legacy iSCSI (*3)	"Press <ctrl+d> to run setup" message is displayed at the time of boot.</ctrl+d>
	When Ctrl+D is pressed in accordance with that message, setting menu
	of Legacy iSCSI is displayed.
	This item is not displayed for the network port of the PCI LAN card.
Disabled	Remote boot is disabled.
	Items added when [UEFI (PXE/iSCSI)], [Legacy PXE] or [Legacy iSCSI]
	is selected, are deleted.

TABLE 2.14 Deflection of	I AN Romoto Root	Configuration Manu
TABLE 3.14 Reflection of		Configuration internu

*1: Settings which Enable PXE/iSCSI boot of UEFI Aware Operating System.

*2: Settings which Enable PXE boot of Legacy Operating System.

*3: Settings which Enable iSCSI boot of Legacy Operating System.

Please set the setting of [PCI ROM Priority] of the PCI Subsytem Configuration menu to [EFI Compatible ROM] to execute the PXE/iSCSI boot of UEFI.

Please set the setting of [PCI ROM Priority] of the PCI Subsytem Configuration menu to [Legacy ROM] to execute the PXE/iSCSI boot of the legacy.

Following is the display of [LAN Remote Boot Configuration] Menu.

MAC (200444F1444A) MAC (200444F1444B) Gommit Changes and E Discard Changes and I	PcieRoot(0x0)/Pci(0x3, 0x0)/Pci(0x0,0x0)/Pci(0x10,0x0)/Pci(0x0,0x0) /Pci(0x9,0x0)/Pci(0x0, 0x0)/Pci(0x2,0x0)/Pci(0x0,0x0)
·	

FIGURE 3.9 Display of [LAN Remote Boot Configuration] Menu

(1) Display of page information

[LAN Remote Boot Configuration] is displayed.

(2) Menu Selection

Items shown in "TABLE 3.15 Display contents of Menu Selection" are displayed in Menu.

TABLE 3.15 Display contents of Menu Selection

Item	Display contents
(Network Port Information)	Each network port information and PXE/ iSCSI boot setting information is displayed.
	Network port information is displayed by the MAC address format for
	onboard LAN, and displayed by the slot number for the PCI LAN card.
	[Information on the network board of the PCI card can be available in case
	of the firmware situation since the BA14063 and in case of the
	PRIMEQUEST 2400E3/2800E3/2800B3/2400E2/2800E2/2800B2 model.]
Commit Changes and Exit	After saving the contents the setting of which are changed, exit from this
	menu.
	Attention
	It is necessary to come off the menu by "Commit Changes and Exit" when
	the setting is changed.
	Do not come off the menu by "Esc".
Discard Changes and Exit	After cancelling the contents the setting of which are changed, exit from this
	menu.

(3) Display of Operation help

Description of operation key shown in "TABLE 3.16 Display contents of Display of Operation help" is displayed.

Item	Description
1↓=Move Highlight	Moves cursor up and down.
<enter>=Select Entry</enter>	Selects item
Esc=Exit	Returns to "3.1 Front page of Boot Manager" without saving the changed settings of this menu.

Change in Enable/Disable settings of PXE/iSCSI boot

The change in PXE/iSCSI boot settings of each network port is implemented by the following procedure.

1. Press "Enter" key placing the cursor on network port for which settings are to be changed. Pop-up window shown in "FIGURE 3.10 Operation Window of PXE/iSCSI boot Enable Setting"" is displayed.

FIGURE 3.10 Operation Window of PXE/iSCSI boot Enable Setting"

MAC (341278568C9A) MAC (341278568C9B)	(Disabled) (Disabled)	PcieRoot (0x0) /Pci (0x2 0x00 /Pci (0x6,0x0) /Pci 0x10,0x0) /Pci (0x9,0x0
Commit Changes and Exit Discard Changes and Exit	Legacy ISCSI Legacy PVE UEFI CPSE/ISCSD Disabled	/Pc1 (0x10.6x0) /Pc1 (0x ,0x0) /Pc1 (0x9.6x0) /Pc (0x0.6x0)

- 2. Set PXE/iSCSI boot Enable/Disable.
- When PXE boot of UEFI Aware Operating System is set to Enable, [UEFI (PXE/iSCSI)] is selected.
- When PXE boot of Legacy Operation System is set to Enable, [Legacy PXE] is selected.
- When iSCSI boot of Legacy Operation System is set to Enable, [Legacy iSCSI] is selected.
- When PXE/iSCSI boot is set to Disable, [Disabled] is selected. By default all are [Disabled].
- 3. Press [Enter] key.

4. To exit from this menu after saving the changes in the settings, select [Commit Changes and Exit] and press [Enter] key.

5. To exit from this menu without saving the changes in the settings, select [Discard Changes and Exit] and press [Enter] key.

6. When UEFI (PXE/iSCSI) is selected, to confirm [Enable], [Boot Manager] Menu is activated after reset. Boot options are added is confirmed as in "FIGURE 3.11 Display of [Boot Manager] Menu".

	Boot Manager	
Boot Option News Mindows Boot Hanage EFI Internal Shell Legacy CD NDM Fujitse Virtual C EFI: Fujitse Virtua	DRIPHO 1.00	Device Path : HD (2,GPT.6EE85883-5884 -49BC-866B-A4DBE20E3F4 4.0x96600.0x32000)/\E I\Microsoft\Boot\bootx gfw.efi
EFI USB Device 1 EFI USB Device 2 EFI Network EFI Network 1 EFI Network 2	最下部に追加 たhe las	k to be added this item in st line
	ption, ENTER to select a	0

FIGURE 3.11 Display of [Boot Manager] Menu

Remark

If [MAC Selection] Menu is activated from [Add An Attempt] of [iSCSI Configuration] Menu in [Device Manager] Menu, network ports are added as in "FIGURE 3.12 Display of [MAC Selection]".

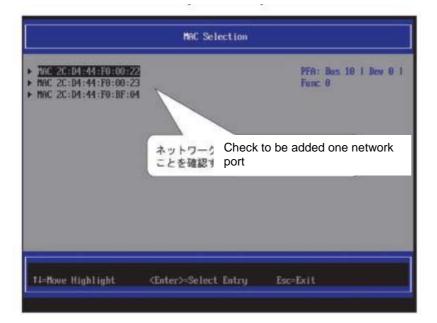
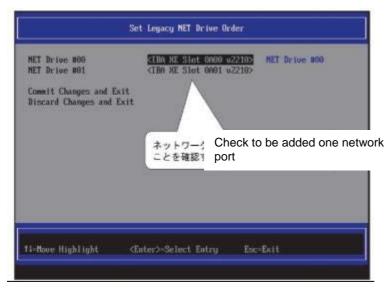


FIGURE 3.12 Display of [MAC Selection]

7. When Legacy PXE is set to [Enable], if [Set Legacy NET Drive Order] Menu of [Boot Maintenance Manager] Menu is activated after reset, network ports are added as in "FIGURE 3.13 Display of [Set Legacy Net Drive Order] Menu" See ("■[Set Legacy Net Drive Order] Menu").

FIGURE 3.13 Display of [Set Legacy Net Drive Order] Menu

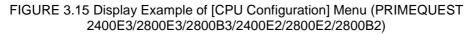


3.4.3 [CPU Configuration] Menu

Enable/Disable of Power saving function and hyper threading function of CPU can be set in [CPU Configuration] Menu. Following is the display of window immediately after start-up of [CPU Configuration] Menu.

CPU Configuration		
typer-threading Active Processor Cores	CALLS	
Hardware Prefetcher Mijacent Cache Line	(Enabled) (Enabled)	
Prefetch DCU Streamer Prefetcher DCU Ip Prefetcher	(Enabled) (Enabled)	
Execute Disable Bit	<enabled></enabled>	
Intel Virtualization Technology	(Enabled)	

FIGURE 3.14 Display Example of [CPU Configuration] Menu



	CPU Configuration	
CPU Configuration		
Hyper-threading Active Processor Cores (Current/Available)	<enabled> [18] 18 / 18</enabled>	
Hardware Prefetcher Adjacent Cache Line Prefetch	<enabled> <enabled></enabled></enabled>	
DCU Streamer Prefetcher DCU Ip Prefetcher	<enabled> <enabled></enabled></enabled>	
Execute Disable Bit	<enabled></enabled>	
Intel Virtualization	<enabled></enabled>	4
+/- =Adjust Value ↑↓=Move Highlight	<enter>=Select Entry</enter>	Esc=Exit
		Configuration changed

(1) Page Information Display

[CPU Configuration] is displayed.

(2) Menu Selection

The items shown in the "TABLE 3.17 Display Contents of Menu Selection" are displayed on the Menu.

Items	Display Contents
Hyper-threading (*1)	Sets the Hyper Threading function to enable or disable.
	· Enabled
	· Disabled
	Default setting is, Enabled.
Active Processor Cores (*2)	Set the core number to be enabled to each CPU socket.
	· All
	· 0 · 1
	· 2
	. 3
	· 4
	· 5
	· 6
	· 7
	· 8
	· 9
	· 10 · 11
	· 11
	· 13
	· 14
	· 15
	· 16
	· 17
	· 18
	Remarks [For PRIMEQUEST
	2400E3/2800E3/2800B3/2400E2/2800E2/2800B2]
	0-24 can be input regardless of the mounted number of cores.
	All cores are effective in case of 0. When the input number is
	more than the mounted number of cores, all mounted cores are
	effective.
	Default setting is, 0.
	[For PRIMEQUEST 2400E/2800E/2800B]
	The number that can be selected according to the number of
	cores of mounted CPU changes. All and 1-14 can be selected
	for 15 cores CPU.
	Default setting is, All.
	Remarks This setting is reflected to all CPUs included in partition.
	Remarks
	After changing the setting of Active Processor Cores, select
	[Commit Change and Exit], and select [Continue] on BIOS
	Manager Front Page, and then restart the partition once.
(Current/Available)	Number (XX) of effective processor cores now and all mounted numbers (YY) of cores are displayed.
[This item can be available in the	
PRIMEQUEST	XX / YY
2400E3/2800E3/2800B3/	
2400E2/2800E2/2800B2]	Sets the Hardware Prefetcher function to enable or disable.
Hardware Prefetcher	Sets the Hardware Prefetcher function to enable or disable. • Enabled
	· Disabled
	Default setting is, Enabled.

TABLE 3.17 Display Contents of Menu Selection

Items	Display Contents
Adjacent Cache Line Prefetch	Sets the Adjacent Cache Line Prefetch function to enable or
	disable.
	· Enabled
	Disabled
	Default setting is, Enabled.
DCU Streamer Prefetcher	Sets the DCU Streamer Prefetcher function to enable or disable.
	Enabled Disabled
	Default setting is, Enabled.
DCU lp Prefetcher	Sets the DCU Ip Prefetcher function to enable or disable.
	· Enabled
	· Disabled
	Default setting is, Enabled.
Execute Disable Bit	Sets the Execute Disable Bit function to enable or disable.
	· Enabled
	· Disabled
	Default setting is, Enabled.
Intel Virtualization Technology(*3)	Sets the Intel Virtualization Technology function to enable or
	disable. • Enabled
	· Disabled
	Disabled Default setting is, Enabled.
Intel(R) VT-d (*3)(*6)	Sets the Intel(R) VT-d function to enable or disable.
	• Enabled
	· Disabled
	Default setting is, Disabled.
Power Technology (*4)	Sets the CPU Power Management function.
	· Disabled
	Energy Efficient
	· Custom
Enhanced Opened Oten (*1)	Default setting is, Energy Efficient.
Enhanced Speed Step (*1)	Sets the Enhanced Speed Step function of CPU to enable or disable.
	· Enabled
	· Disabled
	Default setting is, Enabled.
	Remarks
	Displays only when [Custom] is selected in [Power Technology].
Turbo Mode (*1)	Sets the Intel (R) Turbo Boost Technology function to enable or
	disable.
	Enabled Disabled
	Disabled Default setting is, Enabled.
	Remarks
	Displays only when [Custom] is selected in [Power Technology].
Energy Performance (*1)	Selects the Energy Performance mode.
	· Performance
	Balanced Performance
	Balanced Energy
	Energy Efficient
	Default action is Defaurance
	Default setting is, Performance. Remarks
	Displays only when [Custom] is selected in [Power Technology].
P-State Coordination (*1)	Sets the coordination method of P-State of CPU.
	 HW_ALL
	· SW_ALL
	· SW_ANY
	Default setting is, HW_ALL.
	Remarks
	Displays only when [Custom] is selected in [Power Technology].

Items	Display Contents
Enable CPU HWPM	Sets the Hardware Controlled Power Management mode.
(*1)	Disabled
	· HWPM NATIVE MODE
[This item can be available in the	· HWPM OOB MODE
PRIMEQUEST	
2400E3/2800E3/2800B3]	Default setting is, Disabled.
	Remarks
	Displays only when [Custom] is selected in [Enhanced Speed
	Step] and [Enabled] is selected in [Power Technology].
CPU C1E Support (*1)	Sets the CPU C1E Support function to enable or disable.
	· Enabled
[This item can be available in the	Disabled
PRIMEQUEST	Default setting is, Enabled.
2400E3/2800E3/2800B3.	Remarks
This item can be available in the	Displays only when [Custom] is selected in [Power Technology].
firmware since BB15064 in the PRIMEQUEST	
2400E2/2800E2/2800B2.]	
CPU C3 Report	Sets the CPU C3 Report function to enable or disable.
	· Enabled
	· Disabled
	Default setting is, Disabled.
	Remarks
	Displays only when [Custom] is selected in [Power Technology].
CPU C6 Report	Sets the CPU C6 Report function to enable or disable.
	· Enabled
	Disabled
	Default setting is, Enabled.
	Remarks
	Displays only when [Custom] is selected in [Power Technology].
CPU C7 report	Sets the CPU C7 Report function to enable or disable.
	· Enabled
	· Disabled
	Default setting is, Enabled.
	Remarks
Package C State limit	Displays only when [Custom] is selected in [Power Technology]. Sets the function by which the transition of C-state of CPU is
Fachage C State IIIIIt	limited.
	C0: Allows transition till C0 state
	C2: Allows transition till C2 state
	C6: Allows transition till C6 state
	C7: Allows transition till C7 state
	No Limit: There is no limit for the transition of C state
	Default setting is, No Limit.
	Remarks
	Displays only when [Custom] is selected in [Power Technology].
QPI Link Frequency Select	Set the QPI Link Frequency.
(*1)	[For PRIMEQUEST
	2400E3/2800E3/2800B3/2400E2/2800E2/2800B2]
	· Auto
	• 9.6GT/s
	· 8.0GT/s
	· 7.2GT/s
	[For PRIMEQUEST 2400E/2800E/2800B]
	· Auto
	• 8.0GT/s
	• 7.2GT/s
	• 6.4GT/s
	Default setting is, Aluto.
	Derault setting is, Aluto.

Items	Display Contents
Frequency Floor Override (*1)(*5)	Sets the Frequency Floor Override function to enable or disable.
	· Enabled
[This item can be available in the	Disabled
PRIMEQUEST 2400E/2800E/2800B]	Default setting is, Disabled.
Uncore Frequency Override(*1)(*5)	Sets the Uncore Frequency Scaling to enable or disable.
This is an an here we like to in the	· Enabled
[This item can be available in the PRIMEQUEST	Disabled
2400E3/2800E3/2800B3/	Default setting is Enabled.
2400E2/2800E2/2800B2.]	
Perfmon and DFX devices (*1)	Sets the Perfmon and DFX devices function to enable or disable.
	· Enabled
	Disabled
	Default setting is, Disabled.
ACPI MSCT	Sets the creation of ACPI MSCT to enable or disable.
	Enabled
[This item can be available in the	Disabled Default setting is Enabled.
PRIMEQUEST	Deraur sering is Eriableu.
2400E3/2800E3/2800B3.	
This item can be available in the	
firmware since BA15064 and in the	
PRIMEQUEST	
2400E2/2800E2/2800B2.]	
x2APIC Mode (*3)	Sets the x2APIC Mode to enable or disable.
	· Enabled
[This item can be available in the	Disabled
PRIMEQUEST	Default setting is Enabled. In Extended Partitioning, Default setting is Disabled.
2400E2/2800E2/2800B2]	In Extended Farmoning, Deradit setting is Disabled.
EMCA Gen2	Sets the EMCA Gen2 and Data Poisoning function to enable or
(*1)(*7)(*8)(*9)	disable.
[This item can be available in the	Disabled Default acting in Enchlad
PRIMEQUEST	Default setting is Enabled.
2400E3/2800E3/2800B3.	
This item can be available in the	
firmware since BB15067 and in the	
PRIMEQUEST	
2400E2/2800E2/2800B2]	
Commit Changes and Exit	Exit from main menu after the changed contents of configuration
-	are saved.
	Attention
	It is necessary to come off the menu by "Commit Changes and
	Exit" when the setting is changed.
	Do not come off the menu by "Esc".
Discard Changes and Exit	Exit from main menu after the changed contents of configuration
	are cancelled.

*1: As settings of Physical Partition remain same in Extended Partitioning, settings are only displayed but cannot be changed.

*2: This item is not displayed in Extended Partitioning.

*3: This item is displayed by fixation in Extended Partitioning.

*4: The submenu displayed when "Custom" is selected is not displayed and becomes fixation set in the place where "Disabled" and "EnergyEfficient" are selected with a physical partition. It is likely to become different from a fixed setting of a physical partition set to succeed a part of setting of a physical partition in the enhancing partition.

*5:There is Uncore Frequency Scaling(UFS) as a succession function of Frequency Floor Override(FFO) since PRIMEQUEST 2400E3/2800E3/2800B3/2400E2/2800E2/2800B2, and the frequency of Uncore is controlled individually with the frequency in CPU core.

*6: This item becomes Enable disregarding a set value at the x2APIC mode.

*7: EMCA Gen2 can be set to Enabled without any relation to whether OS supports EMCA Gen2.

*8 When Extended Partition or Dynamic Reconfiguration is effectively set by setting MMB even if EMCA Gen2 is set to Enabled, the setting of EMCA Gen2 automatically becomes Disabled. It automatically returns to Enabled and it does not exist.

*9 The menu item EMCA Gen2 added with BB15062 of PRIMEQUEST 2400E2/2800E2/2800B2, and default are Enabled.

All items set by the [CPU Configuration] menu are succeeded when changing into Reserved SB.

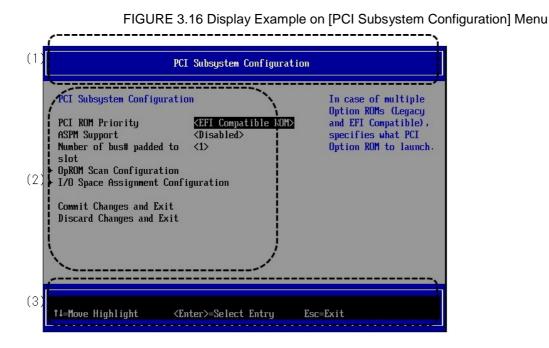
(3) Operation Help Display Description of Operating Keys is shown in the "TABLE 3.18 Display Contents of Operation Help Display".

ltem	Description
↑↓= Move Highlight	Moves cursor up and down.
<enter>=Select Entry</enter>	Selects item.
Esc=Exit	Returns to '3.1 Front page of Boot Manager' without saving
	changes of this menu'.

TABLE 3.18 Display Contents of Operation Help Display

3.4.4 [PCI Subsystem Configuration] Menu

Option ROM of PCI card can be configured in [PCI Subsystem Configuration] menu. The example of contents displayed on screen immediately after the activation of [PCI Subsystem Configuration] Menu is given below.



(1) Page Information Display [PCI Subsystem Configuration] is displayed.

(2) Menu Selection

The items shown in "TABLE 3.19 Display Contents of Menu Selection" are displayed.

TABLE 3.19 Display Contents of Menu Selection		
Item	Display Contents	
PCI ROM Priority	 In case of Option ROM of EFI and Legacy, specifies the Option ROM to be start up. Legacy ROM: Selects when Legacy operating system is started. EFI Compatible ROM: Selects when UEFI Aware operating system is selected. 	
	Default setting is, EFI Compatible ROM.	
	When "Dynamic Reconfiguration" setting or "Attempt Secure Boot" setting is enabled, PCI ROM Priority setting becomes to "EFI Compatible ROM" and cannot be changed.	
ASPM Support	Uses Active State Power Management (ASPM) as power management of PCI Express Link. However, even though ASPM is enabled, if PCI express adopter and on-board controller dose not supports ASPM, link will not be enabled. • Disabled • Auto • Limit to L0s Default setting is, Disabled.	
Number of bus# Padded	Changes the number of Bus allocated in PCI Express Slot.	
to slot Above 4G decoding [This item can be available in the PRIMEQUEST 2400E3/2800E3/2800B3/ 2400E2/2800E2/2800B2. This item can be available	 1 2 3 Default setting is 1. When PCI Address Mode of MMB is [PCI Segment Mode] and pci_express_mode is [Flexible I/O], it does not depend on this setting and the bus of three or more allocates it in PCI Express Slot. Sets enable/disable of 4G or more Memory Mapped I/O. Disabled Enabled Default setting is, Disabled. 	
in the firmware since BA14063 and in the PRIMEQUEST 2400E/2800E/2800B.]	Sata whathar to allegate OpDOM in MM/O	
OpROM MMIO Assignment	Sets whether to allocate OpROM in MMIO. Use this item by the Enable setting. • Disabled	
[This item can be available in the PRIMEQUEST 2400E3/2800E3/2800B3/ 2400E2/2800E2/2800B2. This item can be available in the firmware since BA15081 and in the PRIMEQUEST 2400E/2800E/2800B.]	 Enabled Default setting is, Enabled. 	

TABLE 3 19 Display	Contents of Menu Selection
TADLE 5.13 Display	Contents of Menu Selection

Internal LAN *1	Sets enable/disable of Internal LAN.
	· Disabled
[This item can be	· Enabled
available in the	
PRIMEQUEST	Default setting is, Enabled.
2400E3/2800E3/2800B3.	
This item can be available	
in the firmware since	
BB15074 in the	
PRIMEQUEST	
2400E2/2800E2/2800B2.	
This item can be available	
in the firmware since	
BA15072 in the	
PRIMEQUEST	
2400E/2800E/2800B.]	
OpROM Scan	Opens [OpROM Scan Configuration] Menu.
Configuration	
I/O Space Assignment	Opens [I/O Space Assignment Configuration] Menu.
Configuration	
Commit Changes and Exit	Exit from main menu after the changed contents of configuration are
-	saved.
	Attention
	It is necessary to come off the menu by "Commit Changes and Exit"
	when the setting is changed.
	Do not come off the menu by "Esc".
Discard Changed and Exit	Exit from main menu after the changed contents of configuration are cancelled.
*4. This its wais wat disclosed	Cancelled.

*1: This item is not displayed in the Extended Partition. Moreover, it operates by Enabled in the Extended Partition.

(3) Operation Help Display

The help for operations mentioned on this page is shown in the "TABLE 3.20 Display Contents of Operation Help Display"

Item	Description	
1 ↓= Move Highlight	Moves cursor up and down.	
<enter>=Select Entry</enter>	Selects item.	
Esc=Exit	Returns to '3.1 Front page of Boot Manager' without saving changes of this menu'.	

TABLE 3.20 Display Contents of Operation Help Display

3.4.4.1 [OpROM Scan Configuration] Menu

The Option ROM of PCI card mounted on each IOU and each PCI_Box is configured on [OpROM Scan Configuration] Menu.

Window display example of [OpROM Scan Configuration] Menu shows in the following figure.

	FIGUF	RE 3.17 Display Exam	ble of [OpROM Scan Configuration] Me	nu
(1)		OpROM Scan Configuratio	m	
(2)	Onboard RAID OpROM IOU#0 DUSlot#0 OpROM Slot#0 OpROM Slot#1 OpROM Slot#2 OpROM Slot#3 OpROM IOU#1 DUSlot#1 OpROM Slot#0 OpROM Slot#1 OpROM Slot#2 OpROM Slot#3 OpROM IOU#2 PUSlot#0 OpROM	KEnabled> <enabled> <disabled> <disabled> <disabled> <disabled> <enabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled> <disabled< th=""><th>Enable or disable option ROM execution for device in onboard raid.</th><th></th></disabled<></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></disabled></enabled></disabled></disabled></disabled></disabled></enabled>	Enable or disable option ROM execution for device in onboard raid.	
(3)	†↓=Move Highlight	<enter>=Select Entry</enter>	Esc=Exit	

(1) Page Information Display [OpROM Scan Configuration] is displayed.

(2) Menu Selection Menu is shown in the "".

Item	Display Contonts	Remarks
Onboard RAID OpROM	Display Contents Sets enable/disable of Legacy OpROM of	Reinaiks
Onboard RAID OpROM	RAID card built into SB.	
	· Enabled	
	· Disabled	
1011//2	Default setting is Enabled.	
	Slot of IOU#0 (Only the display)	
DUSIot#0 OpROM	Sets enable/disable of Legacy OpROM of	Settings for DU#0Slot#0
	mounted PCI cards.	
	• Enabled	
	Default setting is Enabled.	
Slot#0 OpROM	Sets enable/disable of Legacy OpROM of	Settings for PCI Express
	mounted PCI cards.	slot#0 of IOU#0
	Enabled	
	Default setting is Disabled.	
Slot#1 OpROM	Sets enable/disable of Legacy OpROM of	Settings for PCI Express
	mounted PCI cards.	slot#1 of IOU#0
	· Enabled	
	Disabled	
	Default setting is Disabled.	
Slot#2 OpROM	Sets enable/disable of Legacy OpROM of	Settings for PCI Express
	mounted PCI cards.	slot#2 of IOU#0
	· Enabled	
	Disabled	
	Default setting is Disabled.	
Slot#3 OpROM	Sets enable/disable of Legacy OpROM of	Settings for PCI Express
	mounted PCI cards.	slot#3 of IOU#0
	· Enabled	
	· Disabled	
	Default setting is Disabled.	
IOU#1	Slot of IOU#1 (Only the display)	
DUSIot#1 OpROM	Sets enable/disable of Legacy OpROM of	Settings for DU#0Slot#1
	mounted PCI cards.	
	· Enabled	
	Disabled	
	Default setting is Enabled.	
Slot#0 OpROM	Enables/disables Legacy OpROM of the PCI	Setting for PCI Express
	card which is mounted.	slot#0 of IOU#1
	· Enabled	
	· Disabled	
	By default, it is Disabled	
Slot#1 OpROM	Enables/disables Legacy OpROM of the PCI	Setting for PCI Express
	card which is mounted.	slot#1 of IOU#1
	· Enabled	
	· Disabled	
	By default, it is Disabled	
Slot#2 OpROM	Enables/disables Legacy OpROM of the PCI	Setting for PCI Express
·	card which is mounted.	slot#2 of IOU#1
	· Enabled	
	Disabled	

ABLE 3.21 Display Contents of Menu Selection

Item	Display Contents	Remarks
Slot#3 OpROM	Enables/disables Legacy OpROM of the PCI	Setting for PCI Express
•	card which is mounted.	slot#3 of IOU#1
	· Enabled	
	Disabled	
	By default, it is Disabled	
IOU#2	Slot of IOU#2 (Only the display)	
DUSIot#0 OpROM	Enables/disables Legacy OpROM of the PCI	Setting for DU#1 Slot#0
	card which is mounted.	
	· Enabled	
	· Disabled	
	By default, it is Enabled	
Slot#0 OpROM	Enables/disables Legacy OpROM of the PCI	Setting for PCI Express
cloure oprion	card which is mounted.	slot#0 of IOU#2
	· Enabled	
	· Disabled	
	By default, it is Disabled	
Slot#1 OpROM	Enables/disables Legacy OpROM of the PCI	Setting for PCI Express
	card which is mounted.	slot#1 of IOU#2
	· Enabled	
	· Disabled	
	By default, it is Disabled	
Slot#2 OpROM	Enables/disables Legacy OpROM of the PCI	Setting for PCI Express
olou/2 oprion	card which is mounted.	slot#2 of IOU#2
	· Enabled	
	· Disabled	
	By default, it is Disabled	
Slot#3 OpROM	Enables/disables Legacy OpROM of the PCI	Setting for PCI Express
cloure oprion	card which is mounted.	slot#3 of IOU#2
	· Enabled	
	· Disabled	
	By default, it is Disabled	
IOU#3	Slot of IOU#3 (Only the display)	
DUSlot#1 OpROM	Enables/disables Legacy OpROM of the PCI	Setting for DU#1 Slot#1
Doolot#1 OptCom	card which is mounted.	
	· Enabled	
	Disabled	
	By default, it is Enabled	
Slot#0 OpROM	Enables/disables Legacy OpROM of the PCI	Setting for PCI Express
Clothe Opirion	card which is mounted.	slot#0 of IOU#3
	· Enabled	
	Disabled	
	By default, it is Disabled	
Slot#1 OpROM	Enables/disables Legacy OpROM of the PCI	Setting for PCI Express
	card which is mounted.	slot#1 of IOU#3
	· Enabled	
	· Disabled	
	By default, it is Disabled	
Slot#2 OpROM	Enables/disables Legacy OpROM of the PCI	Setting for PCI Express
	card which is mounted.	slot#2 of IOU#3
	· Enabled	301#2 01 100#3
	· Disabled	
	By default, it is Disabled	L

Item	Display Contents	Remarks
Slot#3 OpROM	Enables/disables Legacy OpROM of the PCI	Setting for PCI Express
	card which is mounted.	slot#3 of IOU#3
	Enabled	
	Disabled	
	By default, it is Disabled	
PCI Box#0	Slot of PCI Box#0 (Only the display)	
Slot#0 OpROM	Enables/disables Legacy OpROM of the PCI	Setting for PCI Express
·	card which is mounted.	slot#0 of PCI_Box#0
	Enabled	_
	Disabled	
	By default, it is Disabled	
Slot#1 OpROM	Enables/disables Legacy OpROM of the PCI	Setting for PCI Express
	card which is mounted.	slot#1 of PCI_Box#0
	Enabled	
	Disabled	
	By default, it is Disabled	
Slot#2 OpROM	Enables/disables Legacy OpROM of the PCI	Setting for PCI Express
olou/2 oprioliti	card which is mounted.	slot#2 of PCI_Box#0
	· Enabled	
	Disabled	
	By default, it is Disabled	
Slot#3 OpROM	Enables/disables Legacy OpROM of the PCI	Setting for PCI Express
	card which is mounted.	slot#3 of PCI Box#0
	· Enabled	
	· Disabled	
	By default, it is Disabled	
Slot#4 OpROM	Enables/disables Legacy OpROM of the PCI	Setting for PCI Express
	card which is mounted.	slot#4 of PCI_Box#0
	· Enabled	SIO(#4 011 CI_D0X#0
	· Disabled	
	By default, it is Disabled	
Slot#5 OpROM	Enables/disables Legacy OpROM of the PCI	Setting for PCI Express
	card which is mounted.	slot#5 of PCI_Box#0
	· Enabled	
	Disabled	
	By default, it is Disabled	
Slot#6 OpROM	Enables/disables Legacy OpROM of the PCI	Setting for PCI Express
	card which is mounted.	slot#6 of PCI_Box#0
	· Enabled	
	Disabled	
	By default, it is Disabled	Sotting for DCI Everage
Slot#7 OpROM	Enables/disables Legacy OpROM of the PCI	Setting for PCI Express
	card which is mounted.	slot#7 of PCI_Box#0
	Enabled	
	Disabled Disabled	
	By default, it is Disabled	
Slot#8 OpROM	Enables/disables Legacy OpROM of the PCI	Setting for PCI Express
	card which is mounted.	slot#8 of PCI_Box#0
	• Enabled	
	Disabled	
	By default, it is Disabled	

Item	Display Contents	Remarks
Slot#9 OpROM	Enables/disables Legacy OpROM of the PCI	Setting for PCI Express
	card which is mounted.	slot#9 of PCI_Box#0
	Enabled	
	Disabled	
	By default, it is Disabled	
Slot#10 OpROM	Enables/disables Legacy OpROM of the PCI	Setting for PCI Express
-	card which is mounted.	slot#10 of PCI_Box#0
	Enabled	
	Disabled	
	By default, it is Disabled	
Slot#11 OpROM	Enables/disables Legacy OpROM of the PCI	Setting for PCI Express
•	card which is mounted.	slot#11 of PCI_Box#0
	Enabled	_
	Disabled	
	By default, it is Disabled	
PCI Box#1	Slot of PCI Box#1 (Only the display)	
Slot#0 OpROM	Enables/disables Legacy OpROM of the PCI	Setting for PCI Express slot
	card which is mounted.	#0 of PCI_Box#1
	· Enabled	
	· Disabled	
	By default, it is Disabled.	
Slot#1 OpROM	Enables/disables Legacy OpROM of the PCI	Setting for PCI Express slot
oloui i opitolii	card which is mounted.	#1 of PCI_Box#1
	· Enabled	
	· Disabled	
	By default, it is Disabled.	
Slot#2 OpROM	Enables/disables Legacy OpROM of the PCI	Setting for PCI Express slot
olou#2 oprion	card which is mounted.	#2 of PCI_Box#1
	· Enabled	
	· Disabled	
	By default, it is Disabled.	
Slot#3 OpROM	Enables/disables Legacy OpROM of the PCI	Setting for PCI Express slot
Cloure oprion	card which is mounted.	#3 of PCI_Box#1
	· Enabled	
	· Disabled	
	By default, it is Disabled	
Slot#4 OpROM	Enables/disables Legacy OpROM of the PCI	Setting for PCI Express slot
	card which is mounted.	#4 of PCI_Box#1
	· Enabled	
	· Disabled	
	By default, it is Disabled	
Slot#5 OpROM	Enables/disables Legacy OpROM of the PCI	Setting for PCI Express slot
	card which is mounted.	#5 of PCI_Box#1
	· Enabled	
	Disabled Disabled	
	By default, it is Disabled	
Slot#6 OpROM	Enables/disables Legacy OpROM of the PCI	Setting for PCI Express slot
	card which is mounted.	#6 of PCI_Box#1
	• Enabled	
	· Disabled	
	By default, it is Disabled	

Item	Display Contents	Remarks
Slot#7 OpROM	Enables/disables Legacy OpROM of the PCI	Setting for PCI Express slot
	card which is mounted.	#7 of PCI_Box#1
	Enabled	
	Disabled	
	By default, it is Disabled	
Slot#8 OpROM	Enables/disables Legacy OpROM of the PCI	Setting for PCI Express slot
	card which is mounted.	#8 of PCI_Box#1
	Enabled	
	Disabled	
	By default, it is Disabled	
Slot#9 OpROM	Enables/disables Legacy OpROM of the PCI	Setting for PCI Express slot
	card which is mounted.	#9 of PCI_Box#1
	Enabled	
	Disabled	
	By default, it is Disabled	
Slot#10 OpROM	Enables/disables Legacy OpROM of the PCI	Setting for PCI Express slot
	card which is mounted.	#10 of PCI_Box#1
	Enabled	
	Disabled	
	By default, it is Disabled.	
Slot#11 OpROM	Enables/disables Legacy OpROM of the PCI	Setting for PCI Express slot
	card which is mounted.	#11 of PCI_Box#1
	Enabled	
	Disabled	
	By default, it is Disabled.	
PCI Box#2	Slot of PCI Box#2 (Only the display)	
Slot#0 OpROM	Enables/disables Legacy OpROM of the PCI	Setting for PCI Express slot
	card which is mounted.	#0 of PCI_Box#2
	Enabled	
	Disabled	
	By default, it is Disabled.	
Slot#1 OpROM	Enables/disables Legacy OpROM of the PCI	Setting for PCI Express slot
	card which is mounted.	#1 of PCI_Box#2
	Enabled	
	Disabled	
	By default, it is Disabled.	
Slot#2 OpROM	Enables/disables Legacy OpROM of the PCI	Setting for PCI Express slot
	card which is mounted.	#2 of PCI_Box#2
	Enabled	
	Disabled	
	By default, it is Disabled.	
Slot#3 OpROM	Enables/disables Legacy OpROM of the PCI	Setting for PCI Express slot
•	card which is mounted.	#3 of PCI_Box#2
	· Enabled	
	· Disabled	
	By default, it is Disabled.	
Slot#4 OpROM	Enables/disables Legacy OpROM of the PCI	Setting for PCI Express slot
		-
	card which is mounted.	1 #4 01 PUL DUX#2
	card which is mounted. Enabled 	#4 of PCI_Box#2
		#4 01 PCI_D0X#2

Item	Display Contents	Remarks
Slot#5 OpROM	Enables/disables Legacy OpROM of the PCI	Setting for PCI Express slot
·	card which is mounted.	#5 of PCI_Box#2
	Enabled	
	· Disabled	
	By default, it is Disabled.	
Slot#6 OpROM	Enables/disables Legacy OpROM of the PCI	Setting for PCI Express slot
·	card which is mounted.	#6 of PCI_Box#2
	· Enabled	
	Disabled	
	By default, it is Disabled.	
Slot#7 OpROM	Enables/disables Legacy OpROM of the PCI	Setting for PCI Express slot
	card which is mounted.	#7 of PCI_Box#2
	Enabled	
	Disabled	
	By default, it is Disabled.	
Slot#8 OpROM	Enables/disables Legacy OpROM of the PCI	Setting for PCI Express slot
·	card which is mounted.	#8 of PCI_Box#2
	Enabled	
	Disabled	
	By default, it is Disabled.	
Slot#9 OpROM	Enables/disables Legacy OpROM of the PCI	Setting for PCI Express slot
·	card which is mounted.	#9 of PCI_Box#2
	Enabled	_
	Disabled	
	By default, it is Disabled.	
Slot#10 OpROM	Enables/disables Legacy OpROM of the PCI	Setting for PCI Express slot
·	card which is mounted.	#10 of PCI_Box#2
	Enabled	
	Disabled	
	By default, it is Disabled.	
Slot#11 OpROM	Enables/disables Legacy OpROM of the PCI	Setting for PCI Express slot
·	card which is mounted.	#11 of PCI_Box#2
	Enabled	
	Disabled	
	By default, it is Disabled.	
PCI Box#3	Slot of PCI Box#3 (Only the display)	
Slot#0 OpROM	Enables/disables Legacy OpROM of the PCI	Setting for PCI Express slot
	card which is mounted.	#0 of PCI_Box#3
	Enabled	
	Disabled	
	By default, it is Disabled.	
Slot#1 OpROM	Enables/disables Legacy OpROM of the PCI	Setting for PCI Express slot
·	card which is mounted.	#1 of PCI_Box#3
	Enabled	_
	Disabled	
	By default, it is Disabled.	
Slot#2 OpROM	Enables/disables Legacy OpROM of the PCI	Setting for PCI Express slot
	card which is mounted.	#2 of PCI_Box#3
	Enabled	
	Enabled Disabled	

Item	Display Contents	Remarks
Slot#3 OpROM	Enables/disables Legacy OpROM of the PCI	Setting for PCI Express slot
	card which is mounted.	#3 of PCI_Box#3
	Enabled	
	Disabled	
	By default, it is Disabled.	
Slot#4 OpROM	Enables/disables Legacy OpROM of the PCI	Setting for PCI Express slot
Ĩ	card which is mounted.	#4 of PCI_Box#3
	· Enabled	_
	· Disabled	
	By default, it is Disabled.	
Slot#5 OpROM	Enables/disables Legacy OpROM of the PCI	Setting for PCI Express slot
	card which is mounted.	#5 of PCI_Box#3
	· Enabled	
	· Disabled	
	By default, it is Disabled.	
Slot#6 OpROM	Enables/disables Legacy OpROM of the PCI	Setting for PCI Express slot
	card which is mounted.	#6 of PCI_Box#3
	· Enabled	#0 011 CI_D0x#3
	Disabled	
Slot#7 OpPOM	By default, it is Disabled. Enables/disables Legacy OpROM of the PCI	Sotting for DCI Express slot
Slot#7 OpROM	card which is mounted.	Setting for PCI Express slot
	· Enabled	#7 of PCI_Box#3
	Disabled	
	By default, it is Disabled.	
Slot#8 OpROM	Enables/disables Legacy OpROM of the PCI	Setting for PCI Express slot
	card which is mounted.	#8 of PCI_Box#3
	• Enabled	
	By default, it is Disabled.	
Slot#9 OpROM	Enables/disables Legacy OpROM of the PCI	Setting for PCI Express slot
	card which is mounted.	#9 of PCI_Box#3
	· Enabled	
	· Disabled	
	By default, it is Disabled.	
Slot#10 OpROM	Enables/disables Legacy OpROM of the PCI	Setting for PCI Express slot
	card which is mounted.	#10 of PCI_Box#3
	Enabled	
	Disabled	
	By default, it is Disabled.	
Slot#11 OpROM	Enables/disables Legacy OpROM of the PCI	Setting for PCI Express slot
	card which is mounted.	#11 of PCI_Box#3
	Enabled	
	Disabled	
	By default, it is Disabled.	
Commit Changes and	The contents having changes in the settings	
Exit	are saved and exit from this menu.	
	Attention	
	It is necessary to come off the menu by	
	"Commit Changes and Exit" when the setting	
	is changed.	
	Do not come off the menu by "Esc".	
		1
Discard Changes and	The contents having changes in the settings	

Remaks:

Slot counting may differ depending on the type of IOUs in the system (IOU_1GbE: 4 PCI slots, IOU_10GbE: 3 PCI slots).

(3) Operation help display

The help for the operations mentioned on this page is shown in "TABLE 3.22 Display contents of operation help display".

Items	Description	
1↓ =Move Highlight	Moves the cursor up and down.	
<enter>=Select Entry</enter>	Selects the items.	
Esc=Exit	Returns to "3.1 Front page of Boot Manager" without saving	
	the setting changes of this menu.	

TADLE 2.22 Display	, contonto of	onoration	halp diaplay
TABLE 3.22 Display	y contents of	operation	neip uispiay

3.4.4.2 [I/O Space Assignment Configuration] Menu

I/O space assignment of various I/O devices in the system can be configured in [I/O Space Assignment Configuration] menu.

After resetting the system, UEFI assigns the I/O space to the I/O device for which [Auto] or [Force] are set in this menu.

The number of devices in which the I/O space can be allocated is limited, and there is a device to which the I/O space is not allocated either. To allocate the I/O space, as follows is surely done.

■ [Force] is set to the device that wants to allocate the I/O space.

■ After resetting the system for which I/O space is assigned in this menu, open this menu once again and confirm that the I/O space is assigned for the relevant system.

The settings changed in this menu are enabled after the system is reset.

Following is the display of window immediately after start-up of [I/O Space Assignment Configuration] Menu.

FIGURE 3.18 Display example of [I/O Space Assignment Configuration] Menu



(1) Display of page information

[I/O Space Assignment Configuration] is displayed.

(2) Menu Selection

Items shown in "" are displayed in Menu.

	ltems	Display contents
(I/O Device	e information)	
	Slot#	Displays "OnBoard" in case of the onboard device,
		Displays "SB#" in case of the device with built-in SB.
		Moreover, displays the PCI Slot number(decimal number) in case of Slot, and
		displays the SB number in case of SB.
	Device	Displays a type of device.
	Status	Displays information about current I/O space assignment.
		Assigned: I/O space is assigned.
		N/a: I/O space is not assigned.
	Setting (*1)	Displays the setting value. Following are the setting items.
	-	Force: I/O space is assigned.
		I/O space is assigned to the device for which [Force] is set, in preference to the
		device for which [Auto] is set.
		However, an error message is displayed if no. of slots, which can be assigned,
		exceeds and is set to [Force].
		Auto: I/O space is assigned to the extent that there is no shortage of I/O space.
		Disabled: I/O space is not assigned.
		Default setting is Auto.
Commit Ch	nanges and Exit	After saving the contents the setting of which are changed, exit from this menu.
		Attention
		It is necessary to come off the menu by "Commit Changes and Exit" when the
		setting is changed.
		Do not come off the menu by "Esc".
Discard Ch	nanges and Exit	After cancelling the contents the setting of which are changed, exit from this
		menu.

TABLE 3.23 Display Contents of Menu Selection

*1: As settings of Physical Partition remain same in Extended Partitioning, settings are only displayed but cannot be changed.

(3) Display of Operation help

Description of operation key shown in "TABLE 3.24 Display contents of Display of Operation help" is displayed.

Item	Description
†↓=Move Highlight	Moves cursor up and down.
<enter>=Select Entry</enter>	Selects item
Esc=Exit	Returns to "3.1 Front page of Boot Manager" without saving the
	changed settings of this menu.

3.4.5 [iSCSI Configuration] menu

In [iSCSI Configuration] menu, as for the IOU network port and expansion card network port which were set in UEFI(PXE/iSCSI) of [LAN Remote Boot Configuration] menu, the environment of iSCSI boot of UEFI Aware Operating System can be set.

The iSCSI boot capable network port is displayed in the menu. The network port which boots the iSCSI is selected and with various settings, iSCSI can be booted from the intended device.

The settings which are changed in the menu will become valid after system reset.

The display example of [iSCSI Configuration] menu is as follows.

	iSCSI Configuration	1
iSCSI Initiator Name	iqn.2012-01.com.fu ssiopeia	jitsu:ca Add an Attempt
▶ Add an Attempt		
▶ Delete Attempts		
▶ Change Attempt Order	.	
	ļ	
<u> </u>		
	F9=Reset to	
14=Move Highlight	<enter>=Select Entry</enter>	Esc=Exit

FIGURE 3.19 Example of [iSCSI Configuration] menu window display

(1) Page information display Displayed as [iSCSI Configuration].

(2) Menu selection

The items shown in "TABLE 3.26 Display contents of Menu Selection" are displayed in the menu.

Items	Display contents
iSCSI Initiator Name	Sets iSCSI Initiator Name
Add an Attempt	Opens MAC Selection menu.
Attempt xxxx	As for xxxx, the name set in "iSCSI Attempt Name" of the [Attempt Configuration] menu is displayed. Opens Attempt Configuration menu. Remarks Only number of LAN ports for which iSCSI is valid is displayed.
Delete Attempt	Opens Delete Attempt menu
Change Attempt Order	Opens Change Attempt Order menu.

TABLE 3.26 Display contents of Menu Selection

(3) Operation help display

Description of operation key shown in "TABLE 3.27 Display contents of Operation Help Display" is displayed.

Items	Description
↑↓= Move Highlight	Moves the cursor in up and down direction.
<enter>=Select Entry</enter>	Selects the item
Esc=Exit	Return to "3.1 Front page of Boot Manager" without saving the
	change setting of this menu.

TABLE 3.27 Display contents of Operation Help Display

iSCSI Environment Setting

Setting of iSCSI environment is executed according to the following procedures.

1. To set Initiator Name, [iSCSI Initiator Name] is set.

Number of characters which can be entered are within 4~223 characters.

FIGURE 3.20 iSCSI Environment	Setting Operation Windows (*	1)
-------------------------------	------------------------------	----

	iSCSI Configuration
iSCSI Initiator Name Add an Attempt Delete Attempts Change Attempt Order	iqn.2012-01.com.fujitsu:ca Add an Attempt ssiopeia

Remarks

When the character string not related with IQN name is entered, Pop Up window of [Invalid iSCSI Name!] is displayed.
When the number of characters which are entered are not enough, Pop Up window of [Please enter enough characters Press ENTER to continue] is displayed.

•Types of characters which can be entered here are as follows.

0 - 9, A - Z, a - z, ! " # \$ % & ' () * + , - . / : ; < = > ? @ [¥]^_`{|}~

2. Attempt is created. Place the cursor on "Add an Attempt" of [iSCSI Configuration] menu and then press [Enter] key.

3. Displayed as per "FIGURE 3.21 iSCSI Environment Setting Operation Windows (2) [MAC Selection] menu. For details of [MAC Selection]menu, see "3.4.5.1 [MAC Selection] Menu"

<pre>> ThC 2C:D4:44:F1:44:40 > MAC 2C:D4:44:F1:44:48 > MAC 00:19:99:B1:12:8B > MAC 00:19:99:B1:12:8D > MAC 00:19:99:B1:12:8D > MAC 00:19:99:B1:12:8E > MAC 00:19:99:B1:12:8E > MAC 00:19:99:B1:0E:93 > MAC 00:19:99:B1:0E:93 > MAC 00:19:99:B1:0E:95 > MAC 00:19:99:B1:0E:96 > MAC 00:19:99:B0:EE:93 > MAC 00:19:99:B0:EE:93 > MAC 00:19:99:B0:EE:93 > MAC 00:19:99:B0:EE:93 > MAC 00:19:99:B0:EE:95 > MAC 00:19:99:B0:EE:95 > MAC 00:19:99:B0:EE:96 > MAC 00:19:99:B0:EE:96 > MAC 00:19:99:B0:EE:96</pre>	MAC Selection		
	PFA: Bus 16 Dev 0 Func 0		
T∔=Move Highlight <enter>=Select Entry Esc</enter>	-Exit		

FIGURE 3.21 iSCSI Environment Setting Operation Windows (2) [MAC Selection] menu.

Place the cursor on network port in which iSCSI booting is done, and then press "Enter" key.

4. Displayed as per "FIGURE 3.22 iSCSI Environment Setting Operation Windows (3) [Attempt Configuration]menu". For details of "[Attempt Configuration] menu", see "3.4.5.2 [Attempt Configuration] Menu".

SCSI Attempt Name	0	The human name defined for this
SCSI Mode	<disabled></disabled>	attempt.
internet Protocol	<1P4>	
Connection Retry Count Connection Establishing Timeout	10] [1000]	
SID	2CD444F1444A	
Enable DHCP Initiator IP Address Initiator Subnet Mask		1

FIGURE 3.22 iSCSI Environment Setting Operation Windows (3) [Attempt Configuration]menu

Place the cursor position on the item which is to be set, and then set each.

5. To exit from this menu after saving the changes, select [Save Changes] and then press [Enter] key.

6. To exit from this menu without saving the changes, select [Back to Previous Page] and then press [Enter] key.

3.4.5.1 [MAC Selection] Menu

Network port in which iSCSI booting is executed can be selected in [MAC selection] menu. Example of window display immediately after the start up of [MAC Selection] menu is as follows.

	MAC Selection	
 III EXECUTINE ALL PLICATEAN MAC 20: D4:44: F1:44:48 MAC 00: 19:99:81:12:88 MAC 00: 19:99:81:12:80 MAC 00: 19:99:81:12:80 MAC 00: 19:99:81:12:80 MAC 00: 19:99:81:12:80 MAC 00: 19:99:81:10E:93 MAC 00: 19:99:81:0E:93 MAC 00: 19:99:81:0E:95 MAC 00: 19:99:81:0E:95 MAC 00: 19:99:81:0E:95 MAC 00: 19:99:80:2E:93 MAC 00: 19:99:80:2E:93 MAC 00: 19:99:80:2E:93 MAC 00: 19:99:80:2E:95 		PFN: Bus 16 Dev 0 Func 0
Ti-Nove Highlight	<pre> <enter>=Select Entry</enter></pre>	Esc-Exit

FIGURE 3.23 Display example of [MAC Selection] menu

(1) Page information display

It is displayed as [MAC Selection].

(2) Menu selection

Selection menu shown in "TABLE 3.28 Display contents of menu selection" is displayed.

Item	Display content
MAC xx:xx:xx:xx:xx:xx	Displays [] menu.
	Remarks xx:xx:xx:xx:xx is MAC address. iSCSI configurable device is displayed in MAC address format.
Commit Changes and Exit	Saves the content having the setting changes and exit from this menu. Attention
	It is necessary to come off the menu by "Commit Changes and Exit" when the setting is changed. Do not come off the menu by "Esc".
Discard Changes and Exit	Cancels the content having the setting changes and exit from this menu.

TABLE 3.28 Display contents of menu selection

(3) Operation help display

The help for operations mentioned on this page is shown in the "TABLE 3.29 Display contents of operation help display".

Item	Description
1 ↓=Move Highlight	Moves cursor up and down
<enter>=Select Entry</enter>	Selects the item.
Esc=Exit	Returns to "3.4.5 [iSCSI Configuration] menu".

TABLE 3.29 Dis	nlav content	s of operatio	n heln display
	play content	s or operation	i neip uispiay

3.4.5.2 [Attempt Configuration] Menu

As for the Attempt xxxx which is selected from "3.4.5 [iSCSI Configuration] menu" or the network port MAC xx:xx:xx:xx:xx which is selected from "3.4.5.1 [MAC Selection] Menu", various settings related to iSCSI Boot can be done in [Attempt Configuration] menu.

The settings which were changed in this menu are enabled after system reset.

The example of window displayed immediately after starting the [Attempt Configuration] menu is shown below.

iSCSI Attempt Name	0	The human name
ISCSI Mode	(Disabled)	defined for this attempt.
Internet Protocol	(TMD)	
Connection Retry Count Connection Establishing Timeout	t0] E10001	
ISID	2CD444F1444A	
Enable IHCP Initiator IP Address Initiator Subnet Mask	[] 0.0.0.0 0.0.0.0	

FIGURE 3.24 Display example of [Attempt Configuration] Menu

(1) Page information display

It is displayed as [Attempt Configuration].

(2) Menu selection

Menu shown in "TABLE 3.30 Display contents of menu selection" is displayed.

Item	Display contents
iSCSI Attempt Name	Sets the name of iSCSI setting.
13031 Allempt Name	Types of characters that can be entered are given below.
	0-9,A-Z,a-z,!"#\$%&'()*+,/:;<=>?@[¥]^_'{ }
iSCSI Mode	Enables/disables the iSCSI boot setting.
	Enabled for MPIO
	· Enabled
	· Disabled
	By default, it is Disabled.
Internet Protocol	Selects Internet Protocol.
	· IP4
	· IP6
	Autoconfigure
	By default, it is IP4.
	Remarks
	When it is set to "Autoconfigure", iSCSI boots with IPv4 and when it is
	failed, it is attempted to boot iSCSI with IPv6.
Connection Retry	Sets number of retries.
Count	· 0~16
	By default, it is 5
Connection	Sets time out value. Unit is millisecond
Establishing Timeout	By default, it is 1000.
ISDI	6 digits of ISID (ID used when initiator establishes session with target)
	are required for input.
	Default setting is generated by MAC address.
	Remarks
	• When the characters entered are insufficient, a pop-up window
	showing the message, "Please enter enough characters Press
	ENTER to continue" appears.
	If more than 7 digits are entered in ISDI, a pop-up window showing
	the message, "Error! Input is incorrect, please input 6 hex
	numbers!" appears.
	If 6 digits contain the value other than the hexadecimal number, that number should be entered as 0.
	(Example)ABCXYZ→ABC000
Enable DHCP	Enables/disables DHCP with space key.
	When [Internet Protocol] is set to [Autoconfigure], this item is not
	displayed.
	· []: Disabled
	· [X]: Enabled
	By default, it is Disabled.
Initiation IP Address	Sets IP Address of iSCSI Initiator side.
(*1)	This item is displayed when [Internet Protocol] is set to [IP4] or [IP6] and
	enabled DHCP.
Initiator Subnet Mask	Sets subnet mask of iSCSI Initiator side.
(*1)	This item is displayed when [Internet Protocol] is set to [IP4] or [IP6] and
	enabled DHCP.
Gateway (*1)	Sets IP address of gateway.
	This item is displayed when [Internet Protocol] is set to [IP4] or [IP6] and
	enabled DHCP.

TABLE 3.30 Display contents of menu selection

Item	Display contents
Get Target info via	Sets the function to get the IP address, port of iSCSI Target from DHCP
DHCP (*1)	server with space key.
(),	This item is displayed when [Internet Protocol] is set to [IP4] or [IP6] and
	enabled DHCP.
	· []: Disabled
	· [X]: Enabled
	By default, it is disabled.
Target Name	Enters the IQN name of target.
0	Number of characters that can be entered are 4~223 characters.
	This item is displayed when [Internet Protocol] is set to [IP4] or [IP6] and
	disabled [Get Target info via DHCP].
	Remarks
	• When character string not related to the IQN name is entered, pop-
	up window of [Invalid iSCSI Name!] is displayed.
	• When number of entered character is not enough, pop-up window
	of [Please enter enough characters Press ENTER to continue] is
	displayed.
	 Types of characters that can be entered are given below.
	0-9,A-Z,a-z,!"#\$%&'()*+,/:;<=>?@[¥]^_'{ }
Target IP Address	Sets IP Address of target.
ranget in ridal coo	This item is displayed when [Internet Protocol] is set to [IP4] or [IP6] and
	disabled [Get Target info via DHCP].
	By default, it is 0.0.0.0
	Remarks
	If incorrect value is entered in IP address, subnet mask then pop-up
	window of [Invalid IP Address] is displayed.
Target Port	Sets TCP listening port of target.
i al gott olt	Numeric value which can be entered is in the range of
	0~65535(decimal).
	This item is displayed when [Internet Protocol] is set to [IP4] or [IP6] and
	disabled [Get Target info via DHCP].
	By default, it is 0
Boot LUN	Sets LUN number of target.
	This item is displayed when [Internet Protocol] is set to [IP4] or [IP6] and
	disabled [Get Target info via DHCP].
	Numeric value is entered in the following format.
	x ~ xxxx - xxxx - xxxx - xxxx (hexadecimal)
	By default, it is 0
Authentication Type	Sets the Authentication Type.
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	· None
	· CHAP
	By default, it is CHAP.
CHAP Type	Sets the CHAP Type.
	When [Authentication Type] is set to [None], this item is not displayed.
	• One way
	• Mutual
	By default, it is One way.
CHAP Name	Enters CHAP user name.
	When [Authentication Type] is set to [None], this item is not displayed. Number of characters that can be entered is 125.
	Number of characters that can be entered is 125.

Item	Display contents
CHAP Secret	Enters CHAP password.
	When [Authentication Type] is set to [None], this item is not displayed.
	Number of characters that can be entered is in the range of 12~16.
	Remarks
	If number of characters are not enough then pop up window of
	[Please enter enough characters Press ENTER to continue] is
	displayed.
	 Types of characters that can be entered are given below
	0-9,A-Z,a-z,!"#\$%&'()*+,/:;<=>?@[¥]^_'{ }~
Revers CHAP Name	Enters CHAP user name.
	When [CHAP Type] is set to [One way], this item is not displayed, also
	when [Authentication Type] is set to [None], this item is not displayed.
	Number of characters that can be entered is 125.
	Remarks
	Types of characters that can be entered are given below.
	0-9, A-Z, a-z,!"#\$%&'()*+,/:;<=>?@[¥]^_'{ }~
Revers CHAP Secret	Enters CHAP password.
	When [CHAP Type] is set to [One way], this item is not displayed, also
	when [Authentication Type] is set to [None], this item is not displayed.
	Number of characters that can be entered is in the range of 12~16.
	Remarks
	If number of characters are not enough then pop up window of
	[Please enter enough characters Press ENTER to continue] is
	displayed.
	• Types of characters that can be entered are given below
	0-9,A-Z,a-z,!"#\$%&'()*+,/:;<=>?@[¥]^_'{ }~
Save Changes	Saves the changed contents.
	Attention
	It is necessary to come off the menu by "Esc " after "Save Changes" is
Deals to Draviewa Daira	executed when the setting is changed".
Back to Previous Page	Cancels the changed contents which are set and exits from this menu.

*1: When Internet Protocol is set to IP6, this item is not displayed.

(3) Operation help display

The help for operations mentioned on this page is shown in the "TABLE 3.31 Display contents of operation help display".

Item	Description
↑↓= Move Highlight	Moves cursor up and down.
<enter>=Select Entry</enter>	Selects item.
Esc=Exit	Returns to '3.1 Front page of Boot Manager' without saving the changes of this menu.

3.4.5.3 [Delete Attempts] Menu

In [Delete Attempts] menu, Attempt can be cancelled and also SCSI settings set in that network port can be cancelled. Changes in this menu are enabled after the resetting the system.

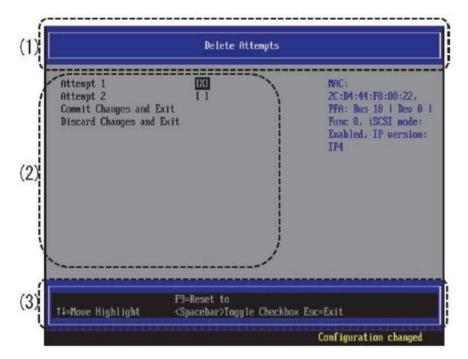


FIGURE 3.25 Display example of [Delete Attempts] menu

(1) Page information display

Displayed with [Delete Attempts]

(2)Menu selection

Selection menu shown in 'TABLE 3.32 Display contents of Menu selection' is displayed.

Item	Display contents
Attempt xxxx	xxxx displays the name set in 'iSCSI Attempt Name' of '3.4.5.2 [Attempt
	Configuration] Menu'
	"X" appears when space key is pressed. If "Commit Changes and Exit" is
	selected in this state, iSCSI settings get cancelled.
	•[]
	•[X]: If "Commit Changes and Exit" is selected at this state, iSCSI settings
	get cancelled.
Commit Changes and Exit	Saves the changed contents and exits from this menu.
	Attention
	It is necessary to come off the menu by "Commit Changes and Exit" when
	the setting is changed.
	Do not come off the menu by "Esc".
Discard Changes and Exit	Cancels the changed contents and exits from this menu.

TABLE 3.32 Display contents of Menu selection

(3) Operation help display

The help for operations mentioned on this page is shown in the "TABLE 3.33 Display Contents of Operation Help Display".

ltem	Description
↑↓= Move Highlight	Moves the cursor up and down.
<enter>=Select Entry</enter>	Selects item.
Esc=Exit	Returns to '3.4.5 [iSCSI Configuration] menu.'

TABLE 3.33 Display Contents of Operation Help Display

3.4.5.4 [Change Attempt Order] menu

In [Change Attempt Order] menu, priority of boot of network which is booted with iSCSI, can be set. Changes in this menu are enabled after resetting the system.

	Change Attempt Order	
Change Attempt Order Commit Changes and Exit Discard Changes and Exi		Change Attempt Order
 → =Move Selection Up 	<enter>=Complete Entry</enter>	- =Move Selection Down Esc=Exit Entry

FIGURE 3.26 Display example of [Change Attempt Order] Menu

(1) Page information display

Displayed with [Change Attempt Order]

(2) Menu selection

Selection menu is shown in 'TABLE 3.34 Display contents of Menu selection'.

Item	Display contents
Change Attempt Order	Priority level can be raised with '+ Key' after selecting Attempt xxxx.
	xxxx displays the name set in 'iSCSI Attempt Name' of '3.4.5.2 [Attempt
	Configuration] Menu
Commit Changes and	Saves the changed contents and exits from this menu.
Exit	Attention
	It is necessary to come off the menu by "Commit Changes and Exit" when
	the setting is changed.
	Do not come off the menu by "Esc".
Discard Changes and	Cancels the changed contents and exits from this menu.
Exit	

TABLE 3.34 Display contents of Menu selection

(3) Operation help display

The help for operations mentioned on this page is shown in the "TABLE 3.35 Display Contents of Operation Help Display".

Item	Description
↑↓= Move Highlight	Moves cursor up and down.
<enter>=Select Entry</enter>	Selects item.
Esc=Exit	Returns to '3.4.5 [iSCSI Configuration] menu.'

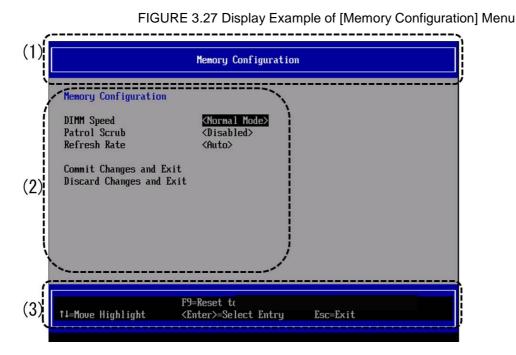
TABLE 3.35 Display Contents of Operation Help Display

Remarks

"TABLE 3.41 Display contents of operation help display" and the contents displayed differ as "FIGURE 3.26 Display example of [Change Attempt Order] Menu" is the display example window after selecting Attempt. Contents displayed in 'TABLE 3.35 Display Contents of Operation Help Display' are displayed immediately after the activation of [Change Attempt Order] menu.

3.4.6 [Memory Configuration] menu

In [Memory Configuration] menu, memory related settings are done. Changes in this menu are enabled after the system is reset.



The following section shows the window display example of [Memory Configuration] menu.

(1) Page information display

Displayed as [Memory Configuration]

(2) Menu selection

Items are shown in the "TABLE 3.36 Display Contents of Menu Selection" are shown in the menu.

ltem	Description
DIMM Speed (*1)	Sets the operating speed of memory module.
	[For PRIMEQUEST 2400E/2800E/2800B]
	Performance Mode: Sets maximum possible operating frequency for
	this mode.
	 Normal Mode: Sets the maximum possible operating frequency that
	can be operated by 1.35V voltage for this mode.
	Default setting is Normal mode.
	[For PRIMEQUEST 2400E3/2800E3/2800B3/2400E2/2800E2/2800B2]
	It is not displayed for DDR4 because it operates only by 1.2V.
Patrol Scrub (*1)	Scans memory module at regular interval. If CE is detected, the function
	which writes back the corrected data is enabled / disabled.
	· Disabled
	· Enabled
	Default setting is Disabled
Refresh Rate (*1)	Sets the refresh rate of the memory.
	• Auto
	· 1x
	Default setting is Auto
Memory Power States (*1)	Sets the Power State of the memory.
	Default
[This item can be available	Perfomance Mode
in the PRIMEQUEST	Default setting is Default
2400E3/2800E3/2800B3/	
2400E2/2800E2/2800B2.	
This item can be available	
in the firmware since	
BA14063 and in the	
PRIMEQUEST	
2400E/2800E/2800B	
model.]	
DDR4 Command/Address	Sets the DDR4 Command/Address Parity Check and Retry function to
Parity Check and Retry (*1)	enable or disable. • Enabled
	· Disabled
[This item can be available	Default setting is Enabled.
in the PRIMEQUEST	
2400E3/2800E3/2800B3/	
2400E2/2800E2/2800B2.]	
Commit Changes and Exit	Saves the changed contents and exits from this menu.
	Attention
	It is necessary to come off the menu by "Commit Changes and Exit" when
	the setting is changed.
	Do not come off the menu by "Esc".
Discard Changes and Exit	Cancels the changed contents and exits from this menu.

*1: As settings of Physical Partition remain same in Extended Partitioning, settings are only displayed but cannot be changed.

(3) Operation help display

Description of help key is shown in the "TABLE 3.37 Display Contents of Operation Help Display".

TABLE 3.37 Display Contents of Operation Help Display

Item Description

↑↓= Move Highlight	Moves cursor up and down.
<enter>=Select Entry</enter>	Selects item.
Esc=Exit	Returns to "3.1 Front page of Boot Manager" without saving changes of this menu'.

3.4.7 [USB Configuration] menu

In [USB Configuration] menu, USB related settings are performed.

Remarks

[USB Configuration] menu is not displayed in Extended Partitioning where USB controller is not allocated. The following figure shows the example of window which is displayed immediately after activation of [USB Configuration] menu.

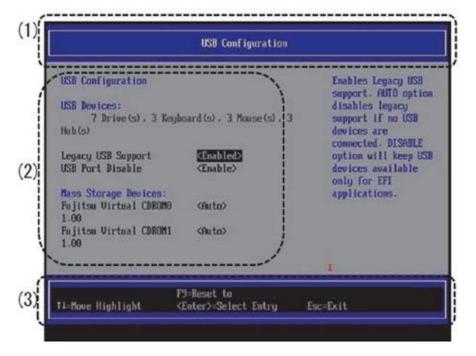


FIGURE 3.28 Display example of [USB Configuration] menu

(1) Page information display

Displayed with [USB Configuration]

(2) Menu selection

Items shown in "TABLE 3.38 Display contents of Menu selection" are shown in the Menu.

ltem	Display contents
USB Devices:	Displays the number of usable USB drive, USB keyboard, USB mouse and
	USB hub.
	n Drive(s),n Keyboard(s), n Mouse(s), n Hub(s)
Legacy USB Support	Specifies whether USB Legacy support can be used.
	· Disabled
	· Enabled
	· Auto
	Default setting is Enabled.
	Remarks
	When operating system needs to be started from USB drive, it is necessary to
	set this item to 'Enabled' or to 'Auto'.
USB Port Disable(*1)	Sets the usage method of USB port. Disabled USB port cannot be used
	during POST and also by the operating system.
	· Enabled
	· Disabled
	Default setting is Enabled.
Mass Storage Devices:	Sets the emulation pattern of device.
"Connection device name"	· Auto
	· Floppy
	Forced FDD
	Hard Disk
	· CD - ROM
	Default setting is Auto.
	Remarks
	When 'Auto' is selected, it is emulated according to the media format of
	device. Optical disk drive is emulated as 'CD-ROM', drive without media is
	emulated according to the drive type.
Commit Changes and Exit	Saves the changed contents and exits from this menu.
	Attention
	It is necessary to come off the menu by "Commit Changes and Exit" when the
	setting is changed.
	Do not come off the menu by "Esc".
Discard Changes and Exit	Cancels the changed contents and exits from this menu.

TABLE 3.38 Display contents of Menu selection

*1: As settings of Physical Partition remain same in Extended Partitioning, settings are only displayed but cannot be changed.

(3) Operation help display

Describes the operation key shown in "TABLE 3.39 Display Contents of Operation Help Display".

Item	Description
↑↓= Move Highlight	Moves cursor up and down.
<enter>=Select Entry</enter>	Selects item.
Esc=Exit	Returns to '3.1 Front page of Boot Manager' without saving changes of this menu'.

3.4.8 [Security Configuration] menu

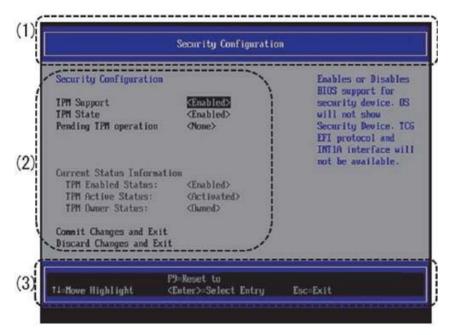
In [Security Configuration] menu, settings related to TPM are performed.

Remarks

In Extended Partitioning, as TPM cannot be used, [Security Configuration] menu is not displayed. Moreover, if the TPM1.2 chip is not mounted, [Security Configuration] menu is not displayed.

The following figure shows the window display example of [Security Configuration] menu.

FIGURE 3.29 Display Example of [Security Configuration] Menu



(1) Page information display

Displayed as [Security Configuration] menu.

(2) Menu selection

Selection menu is shown in the "TABLE 3.40 Display Contents of Menu Selection".

	3.40 Display Contents of Menu Selection
ltem	Display contents
TPM Support	Sets whether TPM1.2 is supported in BIOS.
	Disabled
	• Enabled
	Default setting is Disabled.
TPM State	Performs the settings for status of TPM chip.
	· Disabled
	· Enabled
	Default setting is Disabled.
	Remarks
	Displayed when "Enabled" is selected in "TPM Support".
	Sets the value of "TPM Enabled Status" and "TPM Active Status" as per the
	set value of "TPM Status", as mentioned below.
	When "Enabled" is selected
	TPM Enabled Status \Rightarrow Enabled
	TPM Activate Status ⇒Activated
	When 'Disabled' is selected
	TPM Enabled Status \Rightarrow Disabled
	TPM Activate Status ⇒Deactivated
Pending TPM operation	Performs settings on other TPM chip.
5	· None
	Enable Take Ownership
	Disable Take Ownership
	· TPM Clear
	Default setting is None.
	Remarks
	"Pending TPM operation" is displayed when "Enabled" is selected in "TPM
	Support".
	"TPM Enabled Status" of "Current TPM operation" is "Enabled" and selection
	is possible if "TPM Active Status" is "Activated".
	In other situations, gray out is displayed and selection is not possible.
Current Status Information	Current status of TPM chip is displayed. When TPM Support is set to
	Disabled, "SUPPORT TURNED OFF" is displayed.
	Warning
	Following is the TPM Chip status displayed as TPM Enabled Status, TPM
	Activate Status, and TPM Owner Status. No item is set.
	However, as the TPM Chip status cannot be read immediately after changing
	the settings of [TPM SUPPORT] from [Disabled] to [Enabled], the default
	value is set to [Disabled],[Deactivated],[Unowned]
TPM Enabled Status	Values which can be set as [TPM State] are displayed as follows.
	· [Enabled]: When [Enabled] is set as [TPM State]
	[Disabled]: When [Disabled] is set as [TPM State]
TPM Active Status	Values which can be set in [TPM State] are displayed as follows.
	· [Activated]: When [Enabled] is selected as [TPM State]
	· [Deactivated]: When [Disabled] is selected as [TPM State]
TPM Owner Status	Shows whether the TPM chip is authorized
	· [Owned]
	· [Unowned]
Commit Changes and Exit	Exit from this menu after saving the changes in the settings.
	Attention
	It is necessary to come off the menu by "Commit Changes and Exit" when
	the setting is changed.
	Do not come off the menu by "Esc".

TABLE 3 40 Display	Contents of Menu Selection

Item	Display contents
Discard Changes and Exit	Exit from this menu after cancelling the changes in the settings.

(3) Operation Help Display

The help for the operations mentioned on this page is shown in "TABLE 3.41 Display contents of operation help display".

Items	Description
1↓ =Move Highlight	Moves the cursor up and down.
<enter>=Select Entry</enter>	Selects the items.
Esc=Exit	Returns to "3.1 Front page of Boot Manager" without saving the setting
	changes of this menu.

TABLE 3.41 Display contents of operation help display

3.4.9 [Security Configuration2] menu

In [Security Configuration2] menu, settings related to TPM are performed.

Remarks

In Extended Partitioning, as TPM cannot be used, [Security Configuration2] menu is not displayed. Moreover, if the TPM2.0 chip is not mounted, [Security Configuration2] menu is not displayed.

Item	Display contents
TPM2 Support	Sets whether TPM2.0 is supported in BIOS.
	Disabled
	Enabled
	Default setting is Disabled.
TPM2 Operation	Sets the operation to the device of TPM.
	No Action : Nothing is done.
	Clear : The setting is cleared.
	Default setting is No Action.
	When "Enabled" is selected by "TPM2 Support", this item is displayed.
	After reactivation, the selected operation is executed for the device of
	TPM2.0.

TABLE 3.42 Display Contents of [Security Configuration2] Menu

3.4.10 [Secure Boot Configuration] menu

This item can be available in the PRIMEQUEST 2400E3/2800E3/2800B3. firmware This item can be available in the PRIMEQUEST 2400E2/2800B2 since the BB15074.

In [Secure Boot Configuration] menu, settings related to Secure Boot are performed.

Items	Description
Current Secure Boot State	Displays the Current Secure Boot State.
	Enabled : Secure Boot is enabled.
	Disabled ; Secure Boot is disabled.
	When "Load Default Key" is selected, an initial key is loaded, and "Attempt
	Secure Boot" is set effectively, the state becomes Enabled.
	When the setting of "Attempt Secure Boot" is invalid, and PK is deleted, the
	state becomes Disabled.
Attempt Secure Boot	Sets the settings of Secure Boot.
	• []: Invalidity
	· [X] : Effective
Secure Boot Mode	Sets the settings of Secure Boot Mode.
	Standard: Key Management cannot be changed
	Custom: Key Management can be changed
	*When the menu can be pulled out, the mode is changed to Standard Mode.
Custom Secure Boot	Opens [Custom Secure Boot Options] Menu.
Options	*When Secure Boot Mode is Custom, this item is displayed.

TABLE 3.43 Display Contents of [Secure Boot Configuration] Menu

3.4.10.1 [Key Management] Menu

In [Key Management] Menu, it is possible to set it concerning Key of Secure Boot.

Items	Description
Load Default Key	Load an initial key.
PK Options	Opens [PK Options] Menu.
KEK Options	Opens [KEK Options] Menu.
DB Options	Opens [DB Options] Menu.
DBX Options	Opens [DBX Options] Menu.
[This item can be available in the PRIMEQUEST 2400E3/ 2800E3/2800B3]	Opens [DBT Options] Menu.
DBT Options	

3.4.10.2[PK Options] Menu

In [PK Options] Menu, it is possible to set it concerning Platform Key.

Items	Description
Enroll PK	It becomes possible to select when Platform Key is deleted. The Enroll PK menu is displayed, and when new Platform Key is selected with Enroll PK Using File, the [Save PK File] menu is displayed.

TABLE 3.45 Display Contents of [PK Options] Menu

Delete PK	The following messages are displayed when selecting it with the space key, and Platform Key can be deleted by pushing 'Y' key.
	· []
	· [X]
	"Are you sure you want to delete PK? Secure boot will be disabled!
	Press 'Y' to delete PK and exit, 'N' to discard change and return"
	When Platform Key is deleted, Attempt Secure Boot is changed to Disabled.
	Platform Key of a system initial value is reregistered when rebooting a
	system with Platform Key deleted.

3.4.10.3[Save PK file] Menu

In [Save PK file] Menu, it is possible to register Platform Key.

TABLE 3.46 Display Contents of [Save PK file] Menu

Items	Description
File name of PK	Displays the file name of selected Platform Key.
Commit Changes and Exit	Saves the file and exits from this menu. When the file is not a certificate of the X509 standard, and when the file extension is not [cer/der/crt], the error message is displayed. Error Message : "ERROR: Unsupported file type!" Attention
	It is necessary to come off the menu by "Commit Changes and Exit" when the setting is changed. Do not come off the menu by "Esc".
Discard Changes and Exit	Cancels the file saving and exits from this menu.

3.4.10.4 [KEK Options] Menu

In [KEK Options] Menu, it is possible to set it concerning Key Exchange Key.

TABLE 3.47 Display Contents of [KEK Options] Menu

Items	Description
Enroll KEK	Opens [Enroll KEK] Menu.
Delete KEK	Opens [Delete KEK] Menu.

3.4.10.5[Enroll KEK] Menu

In [Enroll KEK] Menu, it is possible to set it concerning Key Exchange Key.

Items	Description
Enroll KEK using File	Selects the Key Exchange Key file.
File name	Displays the file name of selected Key Exchange Key.
Signature GUID	Sets the GUID. 00000000-0000-0000-000000000000000000
Commit Changes and Exit	Saves the file and exits from this menu. When the file is not a certificate of the X509 standard, when the file extension is not [cer/der/crt], and when the file extension is not [pbk] though the file is RSA2048 form, the error message is displayed. Error Message : "ERROR: Unsupported file type!" Attention
	It is necessary to come off the menu by "Commit Changes and Exit" when the setting is changed. Do not come off the menu by "Esc".
Discard Changes and Exit	Cancels the file saving and exits from this menu.

TABLE 3.48 Display Contents of [Enroll KEK] Menu

3.4.10.6[Delete KEK] Menu

In [Delete KEK] Menu, it is possible to set it concerning Key Exchange Key.

TABLE 3.49 Display Contents of [Delete KEK] Menu

Items	Description
Signature GUID of KEK	 Key Exchange Key is deleted when selecting it in space. [] [X] Key Exchange Key of a system initial value is reregistered when rebooting a system with there no Key Exchange Key.

3.4.10.7 [DB Options] Menu

In [DB Options] Menu, it is possible to set it concerning DB.

TABLE 3.50 Display Contents of [DB Option	s] Menu
-------------------------------------------	---------

Items	Description
Enroll Signature	Opens [Enroll Signature] Menu.
Delete Signature	Opens [Delete Signature] Menu.

3.4.10.8[Enroll Signature] Menu

In [Enroll Signature] Menu, it is possible to set it concerning DB.

Items	Description
Enroll Signature using File	Selects the DB file.
File name	Displays the file name of selected DB.
Signature GUID	Sets the GUID. 00000000-0000-0000-000000000000000000
Commit Changes and Exit	Saves the file and exits from this menu. When the file is not a certificate of the X509 standard, and when the file extension is not [cer/der/crt], the error message is displayed. Error Message : "ERROR: Unsupported file type!" Attention
	It is necessary to come off the menu by "Commit Changes and Exit" when the setting is changed. Do not come off the menu by "Esc".
Discard Changes and Exit	Cancels the file saving and exits from this menu.

3.4.10.9[Delete Signature] Menu

In [Delete Signature] Menu, it is possible to set it concerning DB.

TABLE 3.52	Display	Contents of	[Delete	Signature] Menu	
		•••••••••••	[= 0.0.0		

Items	Description
Signature GUID of DB	 DB is deleted when selecting it in space. [] [X] DB of a system initial value is reregistered when rebooting a system with there no DB.

3.4.10.10 [DBX Options] Menu

In [DBX Options] Menu, it is possible to set it concerning DBX.

Items	Description
Enroll Signature	Opens [Enroll Signature] Menu.
Delete Signature	Opens [Delete Signature] Menu.

3.4.10.11 [Enroll Signature] Menu

In [Enroll Signature] Menu, it is possible to set it concerning DBX.

Items	Description
Enroll Signature using File	Selects the DBX file.
File name	Displays the file name of selected DBX.
Signature GUID	Sets the GUID. 00000000-0000-0000-000000000000000000
Commit Changes and Exit	Saves the file and exits from this menu. When the file is not a certificate of the X509 standard, and when the file extension is not [cer/der/crt], the error message is displayed. Error Message : "ERROR: Unsupported file type!" Attention It is necessary to come off the menu by "Commit Changes and Exit" when the setting is changed. Do not come off the menu by "Esc".
Discard Changes and Exit	Cancels the file saving and exits from this menu.

TABLE 3.54 Display Contents of [Enroll Signature] Menu

3.4.10.12 [Delete Signature] Menu

In [Delete Signature] Menu, it is possible to set it concerning DBX.

TABLE 3.55 Display Contents of [Delete Signature] Menu	L
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Items	Description
Signature GUID of DBX	 DBX is deleted when selecting it in space. [] [X] DBX of a system initial value is reregistered when rebooting a system with there no DBX.

3.4.10.13 [DBT Options] Menu

This item can be available in the PRIMEQUEST 2400E3/2800E3/2800B3. In [DBT Options] Menu, it is possible to set it concerning DBT.

TABLE 3.56 Display Contents of [DBT Options] Menu

Items	Description
Enroll Signature	Opens [Enroll Signature] Menu.
Delete Signature	Opens [Delete Signature] Menu.

3.4.10.14 [Enroll Signature] Menu

In [Enroll Signature] Menu, it is possible to set it concerning DBT.

Items	Description
Enroll Signature using File	Selects the DBT file.
File name	Displays the file name of selected DBT.
Signature GUID	Sets the GUID. 00000000-0000-0000-000000000000000000
Commit Changes and Exit	Saves the file and exits from this menu. When the file is not a certificate of the X509 standard, and when the file extension is not [cer/der/crt], the error message is displayed. Error Message : " ERROR: Unsupported file type!" Attention
	It is necessary to come off the menu by "Commit Changes and Exit" when the setting is changed. Do not come off the menu by "Esc".
Discard Changes and Exit	Cancels the file saving and exits from this menu.

TABLE 3.57 Display Contents of [Enroll Signature] Menu

3.4.10.15 [Delete Signature] Menu

In [Delete Signature] Menu, it is possible to set it concerning DBT.

Items	Description
Signature GUID of DBT	 DBT is deleted when selecting it in space. [] [X] DBT of a system initial value is reregistered when rebooting a system with there no DBT.

3.4.11 [Address Range Mirroring Configuration] Menu

This item can be available in the PRIMEQUEST 2400E3/2800E3/2800B3 firmware. In [Address Range Mirroring Configuration] menu, settings related to Address Range Mirrring are performed.

Item	Description			
Address Range Mirroring	Selects the method of setting the amount of the mirror memory or the			
	memory ratio of Address Range Mirroring.(*1)(*2)(*7) (*8)			
	OS Request			
	BIOS Menu Setting			
	Default setting is OS Request			
Partial Mirror Size on	Sets the amount of the mirror memory of the memory of SB#0-SKT#0.			
SB#0-SKT#0	(*3)(*4)(*5)(*6)(*9)			
	· 0-65535			
	Default setting is 0.			
Partial Mirror Size on SB#0	Sets the amount of the mirror memory of the memory of SB#0-SKT#1.			
SKT#1	(*3)(*4)(*5)(*6)			
	· 0-65535			
	Default setting is 0.			
Partial Mirror Size on	Sets the amount of the mirror memory of the memory of SB#1-SKT#0.			

SB#1-SKT#0	(*3)(*4)(*5)(*6)(*9)	
	· 0-65535	
	Default setting is 0.	
Partial Mirror Size on	Sets the amount of the mirror memory of the memory of SB#1-SKT#1.	
SB#1-SKT#1	(*3)(*4)(*5)(*6)	
	· 0-65535	
	Default setting is 0.	
Partial Mirror Size on	Sets the amount of the mirror memory of the memory of SB#2-SKT#0.	
SB#2-SKT#0	(*3)(*4)(*5)(*6)(*9)	
	· 0-65535	
	Default setting is 0.	
Partial Mirror Size on	Sets the amount of the mirror memory of the memory of SB#2-SKT#1.	
SB#2-SKT#1	(*3)(*4)(*5)(*6)	
	· 0-65535	
	Default setting is 0.	
Partial Mirror Size on	Sets the amount of the mirror memory of the memory of SB#3-SKT#0.	
SB#3-SKT#0	(*3)(*4)(*5)(*6)(*9)	
	· 0-65535	
	Default setting is 0.	
Partial Mirror Size on	Sets the amount of the mirror memory of the memory of SB#3-SKT#1.	
SB#3-SKT#1	(*3)(*4)(*5)(*6)	
	· 0-65535	
	Default setting is 0.	
Commit Changes and Exit	Saves the changed contents and exits from this menu.	
	Note	
	It is necessary to come off the menu by "Commit Changes and Exit" when	
	the setting is changed.	
	Do not come off the menu by "Esc".	
Discard Changes and Exit	Cancels the changed contents and exits from this menu.	

Discard Changes and Exit Cancels the changed contents and exits from this menu.

*1: It is necessary to set Memory Operation Mode to Address Range Mirroring with MMB Web-UI to use the Address Range Mirroring function. It does not depend on the setting of MMB Web-UI, and this menu is always displayed.

*2: It is necessary to support Address Range Mirroring with OS to use the Address Range Mirroring function. It is necessary to support the function to notify BIOS the amount of the mirror memory or the memory ratio with OS at the setting of "OS Request".

- *3: It does not depend on the SB composition of the partition and the number equipped with CPU, and the item of SB#0-CPU#0-SB#3-CPU#1 is always displayed. The setting is actually disregarded about SB/CPU that is not included in the partition, and not installed though can set by the menu.
- *4: The size is set in 64MB. (When "4" is set to the amount of the mirror memory, 4*64=256MB becomes the amount of the mirror memory.)

*5: When "BIOS Setting" is selected by "Address Range Mirroring", this item is displayed.

- *6: This item does not display in Extended Partition. (When Address Range Mirroring is enabled with Web-UI of MMB, the area that the firmware of the Extended Partition uses is mirrored by fixation.)
- *7: When the specification of the memory capacity mirrored in the BIOS menu is specified for "BIOS Menu Setting", the mirrored memory capacity setting from OS is not reflected.
- *8: Select "BIOS Menu Setting" in the case of VMware vSphere 6.5 or later.
- *9: When SB is Home SB in the partition, the setting is disregarded though it is possible to set from the menu.

3.5 [Boot maintenance Manager] Menu

Setting of boot mode, addition or removal of boot option, changes in the boot priority level and changes in the driver option are carried out in the [Boot maintenance manager] menu. Each menu can be displayed by placing the cursor on the menus for operation and by pressing the [Enter] key.

Please execute [Reset System] from [Boot Maintenance Manager] after the setting change of BIOS.

Following window is the window immediately after the activation of [Boot maintenance Manager] menu.

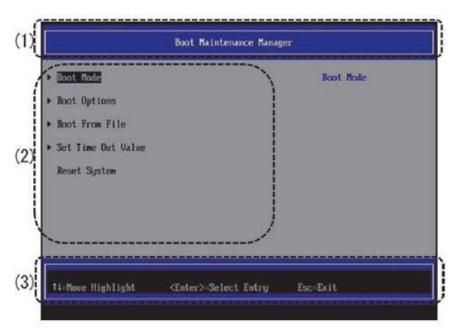


FIGURE 3.30 [Boot Maintenance manager] Menu

(1) Page Information Display

Displays as [Boot maintenance Manager]

(2) Menu selection

Displays the menu as shown in "TABLE 3.59 Display Contents of Menu Selection"

Items	Description
Boot Mode	Displays 3.5.1 [Boot Mode] Menu
Boot Options	Displays 3.5.2 [Boot Options] menu
Boot From File	Displays 3.5.3 [Boot From File] Menu
Set Boot Delay Time	Displays 3.5.5 [Set Boot Delay Time] Menu
Reset System	Resets the setting

TABLE 3.60 Display Contents of Menu Selection

3) Operation Help Display

The help for the operations mentioned on this page is shown in "TABLE 3.60 Display Contents of Operation Help Display".

Items	Description
1↓ =Move Highlight	Moves the cursor up and down.
<enter>=Select Entry</enter>	Selects the items.
Esc=Exit	Returns to "3.1 Front page of Boot Manager".

TABLE 3.61 Display Contents of Operation Help Display

3.5.1 [Boot Mode] Menu

Boot mode settings are done in the [Boot Mode] menu.

	Boot Mode	
Boot Mode Commit Changes an Discard Changes a	KUEPI and Legacity ad Exit and Exit	Boot Mode
·)
14=Move Highlight	<enter>=Select Entry</enter>	Esc=Exit

FIGURE 3.31 Example Display of [Boot Mode] Menu

(1) Page Information Display Displays as [Boot Mode]

(2) Menu Selection

Displays the screen as shown in "Display Contents of the TABLE 3.61 Display Contents of Menu Selection Section"

Item	Display Contents		
Boot Mode	 Select the Boot Mode UEFI and Legacy: Both the boot options UEFI and Legacy are enabled. Only UEFI: Only the boot option UEFI is enabled. Only Legacy: Only the boot option Legacy is enabled. 		
	Default is UEFI and Legacy.		
Commit Changes and Exit	Exit from this menu after saving the changes. Attention		
	It is necessary to come off the menu by "Commit Changes and Exit" when the setting is changed. Do not come off the menu by "Esc".		
Discard Changes and Exit	Exit from this menu after cancelling the changes.		

TABLE 3.62 Dis	splay Contents	s of Menu Selec	tion Section

(3) Operation Help Display

The help for the operations mentioned on this page is shown in "TABLE 3.62 Display contents of operation help display".

Items	Description	
1↓ =Move Highlight	Moves the cursor up and down.	
<enter>=Select Entry</enter>	Selects the items.	
Esc=Exit	Returns to "3.1 Front page of Boot Manager"	

TABLE 3.63 Display contents of operation help display

3.5.2 [Boot Options] menu

Addition or removal of boot option and changes in the boot priority level can be carried out in the [Boot Options] menu. Each menu can be displayed by placing the cursor on the menus for operation and by pressing the [Enter] key.

Following window is the window at the time of activation of the [Boot Options] menu



FIGURE 3.32 [Boot options] menu

(1) Display of Page information

[Boot Options] are displayed.

(2) Menu Selection

Menu shown in TABLE 3.63 Display contents of Menu selection is displayed.

Item	Description	
Go Back To Main Page	"3.5 [Boot maintenance Manager] Menu" is displayed.	
Add Boot Option	"■[Add Boot Option] Menu" is displayed.	
Delete Boot Option	"■[Delete Boot Option] Menu" is displayed.	
Change Boot Order	"■[Change Boot Order] Menu" is displayed.	
Set Legacy Floppy Drive Order	"■[Set Legacy Floppy Drive Order] Menu" is displayed.	
Set Legacy HardDisk Drive Order	"■[Set Legacy HardDisk Drive Order] Menu" is displayed.	
Set Legacy CD-ROM Drive Order	"■[Set Legacy CD-ROM Drive Order] Menu" is displayed.	
Set Legacy NET Drive Order	"■[Set Legacy NET Drive Order] Menu" is displayed.	

TABLE 3.64 Display contents of Menu selection

(3) Display of operation help

Description of operation key shown in "TABLE 3.64 Display contents of Display of operation help" is displayed.

ltem	Description	
1↓=Move Highlight	Moves cursor up and down.	
<enter>=Select Entry</enter>	Selects item	
Esc=Exit	Returns to "3.1 Front page of Boot Manager".	

TABLE 3.65 Display contents	of Display of operation help
-----------------------------	------------------------------

[Add Boot Option] Menu

[Add Boot Option] is used to add new boot option to [Boot Manager]. If Operating System boot loader is added and registered as boot option, as shown in the following figure, boot option registered in [Boot Manager] Menu is displayed.

Newly added and registered boot option is added at the tag end of [Boot Manager] Menu. Example of addition of Test Boot Option is shown in "FIGURE 3.33 Display Example of [Boot Manager] Menu".

Boot Manager Device Path : PcieRoot(0x0)/Pci(0x2, Windows Boot Manager EFI Internal Shell 0x0)/Pci(0x0.0x0)/Pci(Legacy CD ROM 8x19.0x9) /Pci (8x8.8x0) Fujitsu Virtual CDROMO 1.00 /Pci (0x9,0x0) /Pci (0x0, EFI USB Device 0x0)/Pci(0x2,0x0)/Pci(EFI USB Device 1 9x8.9x8) /MAC (2CD444F14 EFI USB Device 2 458.0x0) EFI Network EFI Network 1 EFI Network 2 Test Boot Option 1 1 and 4 to change option, ENTER to select an option. ESC to exit 11=Move Highlight <Enter>=Select Entry Esc=Exit

FIGURE 3.33 Display Example of [Boot Manager] Menu

"FIGURE 3.34 Display Example of [Add Boot Option] Menu" is a window shown immediately after the start-up of [Add Boot Option]. As shown in the figure, the list of device is shown in device path format. (Details of device path are mentioned in "3.6 Device Path")

FIGURE 3.34 Display Example of [Add Boot Option] Menu

	File Explorer	
0) /Pc1 (0x0,0x0) /Pc1 0) /Pc1 (0x0,0x0) /Pc1 1) Load File IPc1 (0x0,0x0) /Pc1 0) /Pc1 (0x0,0x0) /Pc1 0) /Pc1 (0x0,0x0) /Pc1 x0,0HCP.8.8.8.8.9.8 Load File IPc1 (0x0,0x0) /Pc1 0) /Pc1 (0x0,0x0) /Pc1 0) /Pc1 (0x0,0x0) /Pc1 0) /Pc1 (0x0,0x0) /Pc1 0) /Pc1 (0x0,0x0) /Pc1	<pre>x3.0x09/Pci(0x0.0x0)/Pci(0x3.0x00/Pci(0x0.0x0)/Pci 2CD444F1446.0x00/IPv4(0. 9.0.0.0.0.0) x3.0x00/Pci(0x0.0x00/Pci) 0x3.0x00/Pci(0x0.0x0)/Pci 0x00/Pci(0x0.0x0.0x0)/Pci 0x000/Pci(0x0.0x0.0x1)/Pci 0x000.0000.0x0.0x1x11c.000</pre>	10x220x (0x10,0x 10x2,0x 0,0.9,0 (0x10,0x 10x2,0x 100x2,0x 100x2,0x
Ti-Move Highlight	<enter>Select Entry</enter>	Esc-Exit

(1) Display of Page information

[File Explorer] is displayed.

(2) Menu Selection

A list of storage devices recognized by UEFI is displayed.

(3) Display of Operation help

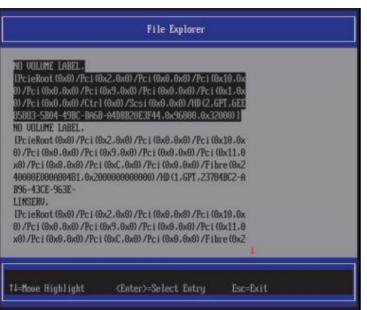
Description of operation key shown in "TABLE 3.65 Display contents of Display of Operation help" is displayed.

ltem	Description	
1↓ =Move Highlight	Moves cursor up and down.	
<enter>=Select Entry</enter>	Selects item	
Esc=Exit	Returns to "3.1 Front page of Boot Manager".	

Addition of Boot Option

The addition of Boot Option is implemented by the following procedure.

1. Place the cursor on the storage device in which the start-up files that are to be added, are stored, from the list of devices shown in "FIGURE 3.35 A list of Devices",





2. Press [Enter] key.

As shown in "FIGURE 3.36 Display example of File Selection Window", a list of files in the selected storage device, is displayed. The matter enclosed in"< >" is a directory. Following is the display example when the disk installed by Windows Server 2012, is selected.

In case of Windows Server 2012, [¥EFI¥Microsoft¥Boot¥bootx64.efi] file is an Operative system loader.

The following files are OS boot loaders for Red Hat Enterprise Linux.

- In case of Red Hat Enterprise Linux 6
- [¥EFI¥redhat¥grub.efi]
- In case of Red Hat Enterprise Linux 7 [¥EFI¥redhat¥shim.efi]

In case of SUSE Linux Enterprise Server 12, [¥EFI¥sles¥shim.efi] file is an Operative system loader.

FIGURE 3.36 Display example of File Selection Window

File Explorer			
<> <> dicrosoft>			
†i-Move Highlight	<enter≻-select entry<="" th=""><th>Esc=Exit</th><th></th></enter≻-select>	Esc=Exit	

Following is the description of the example of creation of boot option specifying this file

Remark

Directory structure of the disk installed for Windows Server 2012, Windows Server 2012 R2 or Windows Server 2016.

The disk installed for Windows Server 2012, Windows Server 2012 R2 or Windows Server 2016 has the following directory structure.

<EFI>

	<microsoft></microsoft>		
	<boot></boot>		
		Bootx64.efi	Operative System Boot Loader
•	Directory structure of the disk installed The disk installed for Red Hat Enterpr		•
<ef< td=""><td>-l></td><td></td><td></td></ef<>	-l>		
	<redhat></redhat>	grub.efi	Operative System Boot Loader
•	Directory structure of the disk installed The disk installed for Red Hat Enterpr		-
<ef< td=""><td>; ></td><td></td><td></td></ef<>	; >		
	<redhat></redhat>	shim.efi	Operative System Boot Loader
•	Directory structure of the disk installed The disk installed for SUSE Linux Ent		•
<ef< td=""><td>- I></td><td></td><td></td></ef<>	- I>		
	<sles></sles>		
		shim.efi	Operative System Boot Loader

3. Following the directory structure, [bootx64.efi], which is an Operative System boot loader, is displayed as shown in "FIGURE 3.37 Windows Server 2012 Installed Disk Window".

	File Explorer	
<> ► bootx64.efi		
11 Marca 10 - 411 - 44	(Falses Colord Falses	Part Part
t∔=Move Highlight	<enter>=Select Entry</enter>	Esc=Exit

FIGURE 3.37 Windows Server 2012 Installed Disk Window

Press [↑] key and [↓] key and select [bootx64.efi] which is an operating system loader registered additionally.
 Press [Enter] key. Window showing "FIGURE 3.38 Display Example of Boot Option Name Change Window" is

displayed.

Modify Boot Option Description			
	m <mark>Test Boot Option 1</mark> TEST xit		
†∔=Move Highlight	<enter>=Select Entry</enter>	Esc=Exit	
		Configuration cha	nged

FIGURE 3.38 Display Example of Boot Option Name Change Window

Set Boot option name and set options when booting.

- a. Boot option name setting
 - Place the cursor on [Input the description], press [Enter] key. Enter name as Pop-up window for input is displayed.
- b. Setting options when booting
 - Place the cursor on [Input Optional Data], press [Enter] key. Enter name as Pop-up window for input is displayed.

For details on the number of characters and types of character that can be entered, see "■Number of Characters and Types of Characters that can be entered"

- 6. Exit from this menu by following operations.
- To exit from this menu after saving the changed setting, select [Commit Changes and Exit] and press [Enter] key.
- To exit from this menu without saving the changed setting, select [Discard Changes and Exit] is and press [Enter] key.
- 7. Confirm that the boot option is added normally, by using the following procedure of FIGURE 3.39 Display Example of [Boot Manager] Menu.
- a. Open the [Boot Manager] menu from Boot Manager front page.

Menu shown in " " is displayed.

b. It is confirmed that the added boot option is displayed at the footer.

FIGURE 3.39 Display Example of [Boot Manager] Menu

	Boot Manager	
Windows Boot Manager EFI Internal Shell Legacy CD RDM Fujitsu Virtual CD EFI USB Device 1 EFI USB Device 2 EFI Network 1 EFI Network 1 EFI Network 2 Test Boot Option 1 1 and 1 to change op option. ESC to exit		f Device Path : PcieRoot(0x0)/Pci(0x2, 0x0)/Pci(0x0,0x0)/Pci(0x2, 0x10,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x2,0x0)/Pci(0x2,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0
†∔=Move Highlight	<enter>=Select Entry</enter>	Esc=Exit

■ Number of Characters and Types of Characters that can be entered

Number of Characters and Types of Characters that can be entered in [Add Boot Option] Menu are shown in "TABLE 3.66 Number of Characters and Types of Characters that can be entered".

Item	Number of Characters	Types of Character
Input the description	6 - 75	0 - 9, A - Z, a - z, ! " # \$ % & ' () *+,
		/:;<=>?@[¥]^_`{ }~
Input Optional Data	0 - 120	0 - 9, A - Z, a - z, ! " # \$ % & ' () *+,
		/:;<=>?@[¥]^_`{ }~

TABLE 3.67 Number of Characters and Types of Characters that can be entered

Remarks

- Input is not possible if the number of characters exceeds the restricted value. Though the key exceeding the restricted value seems to be input temporarily, it is ignored, and is not reflected on the window.
- Types of characters other than mentioned above cannot be entered. Even if it they are temporarily entered, they are ignored and are not reflected on window.
- When the types of characters in [Input the description] are between 0-5, pop-up window appears containing a message as 'Please enter enough characters Press Enter to continue'.

[Delete Boot option] menu

[Delete Boot option] menu, deletes the specified boot option from boot order. The following window shows the window display example of [Delete Boot option] menu.



FIGURE 3.40 Display example of [Delete Boot option] menu

(1) Page information display

It is displayed as [Delete Boot Option].

(2) Menu selection

The boot option with a high priority level of automatic boot is displayed in order from top.

(3) Operation help menu

Description of operation key is shown in 'TABLE 3.67 Display contents of operation help display'.

Items	Description
1 ↓= Move Highlight	Moves cursor in up and down direction.
<enter>=Select Entry</enter>	Selects item.
Esc=Exit	Returns to "3.1 Front page of Boot Manager".

TABLE 3.68 Display contents of operation help display

Boot option removal

Removal of boot option is executed according to the following procedure.

- 1. Place the cursor on the boot option which is to be removed.
- 2. Press [Space] key. As shown in "FIGURE 3.41 Delete window (1) of boot option", [] is changed to [X].

	Delete Boot Option	
Windows Boot Manager	[]	
EFI Internal Shell	[]	
EFI: Fujitsu Virtual CDROMO 1.00	[]	
EFI USB Device 1	[]	
EFI USB Device 2	[]	
Test Boot Option 1	DXG	
Discard Changes and Ex		
14=Move Highlight	<enter>=Select Entry</enter>	Esc=Exit
		Configuration changed

FIGURE 3.41 Delete window (1) of boot option

Remarks

Press [Space] key again when 'delete' is cancelled.

When "Space" key is pressed again, [] changes to [X].

3. To exit from this menu after saving the changed setting, select [Commit Changes and Exit] and press [Enter] key. To exit from this menu without saving the changed setting, select [Discard Changes and Exit] is and press [Enter] key.

4. Confirm that the boot option is deleted normally by using the following procedure.

a. Open the [Boot Manager] menu from Boot Manager front page.

Menu shown in "FIGURE 3.42 Boot Option Deletion Window (2)" is displayed.

b. It is confirmed that the deleted boot option does not exist.

Boot Option Menu Uindows Boot Hanager EFI Internal Shell Legacy CD ROM Fujitsu Virtual CD EFI: Fujitsu Virtual EFI USB Device 1		Device Path : Pc1eRoot(0x0)/Pc1(0x2, 0x0)/Pc1(0x0,0x0)/Pc1(0x10,0x0)/Pc1(0x0,0x0) /Pc1(0x10,0x0)/Pc1(0x0,0x0) /Pc1(0x10,0x0)/Pc1(0x0,0x0)/Pc1 (0x0,0x0)/Pc1(0x0,0x0)/Pc1 (0x0,0x0)/Pc1(0x0,0x0)/Pc1 (0x0,0x0)/Pc1(0x0,0x0,0x0)/Pc1 (0x0,0x0)/Pc1(0x0,0x0,0x0,0x0,0x0) 0x2,0x0)/Pc4(0,0x0,0x0,0x0,0x0,0x0,0x0) 0x0,0PCP,0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.
EFI USB Device 2 1 and 1 to change op option. ESC to exit 14-Move Highlight	tion. EMTER to select an (Enter>=Select Entry	6.0.0.0.0) Esc-Exit

FIGURE 3.42 Boot Option Deletion Window (2)

■ [Change Boot Order] Menu

[Change Boot Order] menu is use to change the boot order. Following window is displayed immediately after booting [Change Boot Order] menu.

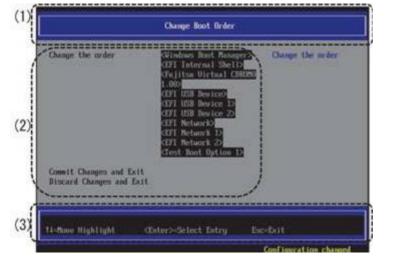


FIGURE 3.43 [Change Boot Order] Menu

(1) Page Information Display

[Change Boot Order] is displayed.

(2) Menu Selection

Items shown in "TABLE 3.68 Display Contents of Menu Selection" are displayed.

Items	Description
Change the order	Displays boot option. Pop-up window is displayed when this
	command is executed, wherein the settings of boot order can be
	changed. As for the legacy boot option, boot option with highest
	boot priority level of each device is displayed. Legacy device
	consists of the following four devices.
	Floppy Device
	HardDisk Device
	DVD/CD-ROM Device
	Network Device
	Change method is explained in following " ■ Change in Priority
	Level (Change Boot Order)"
Commit Changes and Exit	Exit from main menu after the changed contents of settings are saved.
	Attention
	It is necessary to come off the menu by "Commit Changes and
	Exit" when the setting is changed.
	Do not come off the menu by "Esc".
Discard Changes and Exit	Exit from main menu after the changed contents of settings are cancelled.

TABLE 3.69 Display Contents of Menu Selection

(3) Operation Help Display

Description of operation key is shown in the "TABLE 3.69 Display Contents of Operation Help Display"

Item	Description
↑↓= Move Highlight	Moves cursor up and down.
<enter>=Select Entry</enter>	Selects item.
Esc=Exit	Returns to '3.1 Front page of Boot Manager' without saving changes of this menu'.

TABLE 3.70 Display Contents of Operation Help Display

The contents displayed when the Pop-up Window appears are shown in "TABLE 3.70 Display Contents of Operation Help Display when Pop-up Window appears."

Item	Description
+ = Move Selection Up	Raise the boot priority level of .boot option by 1
- + Move Selection Down	Lower the boot priority level of .boot option by 1
<enter>=Complete Entry</enter>	Selects item.
Esc=Exit	Exit from Pop-up Window

■ Change in Priority Level (Change Boot Order)

The changes of boot order are executed according to the following procedure.

1. As shown in "FIGURE 3.44 Change Window of Priority Order (Change Boot Order) (1)", place the cursor to boot option displayed as [Change the order].

Change Boot Order			
Change the order	<pre>KWindows Boot Manager> KETI Internal Shell> KTujitsu Uirtual CDROH0 1.00 KETI USB Device> KETI USB Device 1> KETI USB Device 2> KETI Network> KETI Network 1> KETI Network 2> KTest Boot Option 1></pre>	Change the order	
Commit Changes and Exit Discard Changes and Exi			
14-Move Highlight	<enter>=Select Entry Es</enter>	c=Exit	
		Configuration chang	

FIGURE 3.44 Change Window of Priority Order (Change Boot Order) (1)

2. Press [Enter] key. Pop-up window shown in "FIGURE 3.45 Change Window of Priority Order (Change Boot Order) (2)" appears.

	Change Boot Order	
Change the order	KWindows Boot Manage	r> Change the order
	Uindous Boot Manager EFI Internal Shell Fujitsu Virtual CDROMO 1. EFI USB Device 1 EFI USB Device 1 EFI USB Device 2 EFI Network EFI Network 1 EFI Network 2 Test Boot Option 1	00
Commit Changes and E Discard Changes and		
=Move Selection Up	<enter>=Complete Entry</enter>	- =Move Selection Down Esc=Exit Entry
		Configuration changed

FIGURE 3.45 Change Window of Priority Order (Change Boot Order) (2)

3. Place the cursor to boot option for which order is changed.

- 4. Change the priority order.
- Press [+] key to raise the priority order.
- Press [-] key to lowered the priority order

5. Exit from Pop-up window after changes is done.

- Press [Enter] key, when you want to exit by saving the changes of configuration
- Press [Esc] key, when you want to exit by discarding the changes of configuration.

FIGURE 3.46 Windows after	r setting of priority	level is changed	(Change Boot	Order) (3)
---------------------------	-----------------------	------------------	--------------	------------

Change Boot Order		
Change the order	<pre><efi internal="" shell:<br=""><windows boot="" manage<br=""><fujitsu cd<br="" uirtual="">1.00> <efi device="" usb=""> <efi 1="" device="" usb=""> <efi 2="" device="" usb=""> <efi 2="" network=""> <efi 2="" network=""> <test 1<="" boot="" option="" pre=""></test></efi></efi></efi></efi></efi></fujitsu></windows></efi></pre>	er> ROH0
Commit Changes and Discard Changes and		
t∔=Move Highlight	<enter>=Select Entry</enter>	Esc=Exit
		Configuration changed

6. To exit from the menu after saving the changes, select [Commit Changes and Exit] and then press [Enter] key. To exit from this menu without saving the changes, select [Discard Changes and Exit] and then press [Enter] key.

■ [Set Legacy Floppy Drive Order]Menu

When multiple DVD/CD drive exists, the [Set Legacy DVD/CD - ROM Drive Order] menu sets the priority level of the startup device.

Window at the time of startup of [Set Legacy Floppy Drive Order] menu is as follows.

The information on floppy drive is displayed on the window. Or, when "Disable" is displayed in Floppy Drive # N, the boot function of Floppy Drive #N is Disable is shown.



FIGURE 3.47 Display example of [Set Legacy Floppy Drive Order] menu

(1) Page information display

It is displayed as [Set Legacy Floppy Drive Order].

(2) Menu Selection

Selection menu shown in "TABLE 3.71 Display contents of menu selection" is displayed

Items	Description
Floppy Drive #N	Switchover to change the order of Floppy boot. When this item is
(N: 0, 1)	executed, pop-up window is displayed and the settings can be changed. After this, changing method is described in detail in "
	Change in priority level (Set Legacy Floppy Drive Order)".
Commit Changes and Exit	Exit from this menu, after saving the set contents.
	Attention
	It is necessary to come off the menu by "Commit Changes and
	Exit" when the setting is changed.
	Do not come off the menu by "Esc".
Discard Changes and Exit	Exit from this menu, after cancelling the set contents.

(3) Operation help display

The help for operations mentioned on this page is shown in the "TABLE 3.72 Display contents of operation help display".

Items	Description
1 + J= Move Highlight	Moves cursor in up and down direction.
<enter>=Select Entry</enter>	Selects item.
Esc=Exit	Returns to "3.1 Front page of Boot Manager".

When pop-up window appears, display contents are shown in "TABLE 3.73 Display Contents of operation help display when pop-up window appears"

TABLE 3.74 Display Contents of operation help display when pop-up window appears

Items	Description
1 t = Move Highlight	Moves cursor in up and down direction.
<enter>=Select Entry</enter>	Selects item.
Esc=Exit Entry	Closes the pop-up window.

Change in priority level (Set Legacy Floppy Drive Order)

Change in boot order is executed according to the following procedure.

1. In window shown in "FIGURE 3.48 Change in priority level (Set Legacy Floppy Drive Order) (1)", place the cursor on Floppy Drive# N in which device is to be changed. Select Floppy Drive #00 in "FIGURE 3.48 Change in priority level (Set Legacy Floppy Drive Order) (1)".

FIGURE 3.48 Change in priority level (Set Legacy Floppy Drive Order) (1)

Set Legacy Floppy Drive Order		
Floppy Drive #00 Floppy Drive #01	<mark>(Y-E DATAUSB-FDU 7.03)</mark> (Fujitsu Virtual Floppy 1.00>	Select Floppy Drive 8 800
Commit Changes and I Discard Changes and		
around a stanges and		

2. Press [Enter] key. Pop-up window appears is shown in "FIGURE 3.49 Change in priority level (Set Legacy Floppy Drive Order) (2)".

Set Legacy Floppy Drive Order		
Floppy Drive #00 Floppy Drive #01	<mark>(Y-E DATAUSB-FOU 7.03)</mark> (Fujitsu Uirtual Floppy0 1.06)	Select Floppy Drive #00
Commit Changes and E Discard Changes and	kit Y-E DoTOUSH-FDU 7.03 Fujitan Virtual Floppy0 1.00 Disabled	
tl=Move Highlight	<pre> Center>=Complete Entry Esc.</pre>	-Exit Entry

FIGURE 3.49 Change in priority level (Set Legacy Floppy Drive Order) (2)

3. Place the cursor on the boot option that is to be set in Floppy Drive # N. Boot option for Floppy Drive #00 is set in "FIGURE 3.49 Change in priority level (Set Legacy Floppy Drive Order) (2)".

4. Press [Enter] key. Boot option of Floppy Drive #00 is changed from Y-E DATAUSB-FDU 7.03 to Fujitsu Virtual Floppy 01.00 in "FIGURE 3.49 Change in priority level (Set Legacy Floppy Drive Order) (2)".

"FIGURE 3.50 Change of priority level (Set Legacy Floppy Drive Order) (3)" is a window example when priority level of HDD is changed. When the boot option set in Floppy Drive #N is set in another Floppy Drive #M before setting, boot option set in Floppy Drive #N is set in Floppy Drive #M before changing. In "FIGURE 3.50 Change of priority level (Set Legacy Floppy Drive Order) (3)", Y - E DATAUSB - FDU 7.03 is set in Floppy Drive #01 in which Fujitsu Virtual Floppy0 1.00 is set.

FIGURE 3.50 Change of priority level (Set Legacy Floppy Drive Order) (3)

Set Legacy Floppy Drive Order		
Floppy Drive #00 Floppy Drive #01 Commit Changes and E Discard Changes and		#00

5. Set Enable/Disable of the Floppy Drive #N.

Select "Disable" to disable.

• Select the boot option to enable.

"FIGURE 3.51 Change of the priority level (Set Legacy Floppy Drive Order) (4)" is an example of the window in which Floppy Drive # 00 is set to Disable.

Disabled Floppy Drive #N is displayed as "Disable".

FIGURE 3.51 Change of the priority level (Set Legacy Floppy Drive Order) (4)

Floppy Drive #00 Floppy Drive #01 Commit Changes and Ex Discard Changes and r	1.00> <y-e 7.03="" datausb-fdu=""></y-e>	y0 Select Floppy Drive #01
Utscard Lhanges and		
	Y-E DATAUSB-FDU 7.03 Fujitsu Virtual Floppy0 1.00 Disabled	
1-Move Highlight	<enter>=Complete Entry </enter>	Esc-Exit Entry

6. To exit from this menu by saving changes in the setting, select [Commit Changes and Exit] and press [Enter] key. To exit from this menu without saving changes in the setting, select [Discard Changes and Exit] and press [Enter] key.

■ [Set Legacy Hard Disk Order] Menu

[Set Legacy Hard Disk Order] menu sets the HDD to be activated in the legacy operating system. The window at the time of activation of [Set Legacy Hard Disk Order] menu is as shown below.

HDD information is displayed in this window. The HardDisk Drive is activated from #00. Moreover, when "Disable" is displayed in #N of the HardDisk Drive, the boot function of HardDisk Drive #N is shown to be Disabled.



FIGURE 3.52 Display Example of [Set Legacy HardDisk Drive Order] Menu

(1) Page Information Display

Displays as [Set Legacy HardDisk Drive Order]

(2) Menu Selection

Displays the items shown in the "TABLE 3.74 Display Contents of Menu Selection"

Item	Explanation
HardDisk Drive #N	Following is displayed.
(N: 0, 1)	 HDD information confirmed at the time of initialization after the power-on Disable: Displayed when Disable is selected.
	 Device for which the configuration is changed after initialization is not displayed. Hence the system should be reset after the device configuration changes. Further, the configuration change of the device indicates the case where the following operations are executed. Swapping of USB devices Activation of configuration display and update menu of Fibre channel and SAS RAID The change method is explained next in "■ Change of the Priority
	Level (Set Legacy HardDisk Drive Order)".
Commit Changes and Exit	Exit from this menu after saving the changes. Attention
	It is necessary to come off the menu by "Commit Changes and Exit"

TABLE 3.75 Display Contents of Menu Selection

	when the setting is changed.
	Do not come off the menu by "Esc".
Discard Changes and Exit	Exit from this menu after cancelling the changes.

(1) Operation Help Display

Displays the explanation of the operation key shown in "TABLE 3.75 Display Contents of the Operation Help Display"

TABLE 3.76 Display Contents of the Operation Help Display

Item	Explanation
1↓ =Move Highlight	Moves the cursor up and down.
<enter>=Select Entry</enter>	Selects the items.
Esc=Exit	Returns to "3.1 Front page of Boot Manager".

"TABLE 3.76 Display Contents of the Operation Help Display when Pop-up Window appears" when pop-up window appears shows the display contents of the Operation Help Display when the pop-up window is appeared.

TABLE 3.77 Display Contents of the Operation Help Display when Pop-up Window appears

Item	Explanation
11 =Move Highlight	Moves the cursor up and down.
<enter>=Complete</enter>	Selects the items.
Entry	
Esc=Exit Entry	Closes the pop-up window.

■ Change of the Priority Level (Set Legacy HardDisk Drive Order)

HDD which is targeted for activation is installed in the following sequence.

1. In the window shown in "FIGURE 3.53 Change of the Priority Level (Set Legacy HardDisk Drive Order) (1)", place the cursor on HardDisk Drive #N which wants to change the device. In the "FIGURE 3.53 Change of the Priority Level (Set Legacy HardDisk Drive Order) (1)" HardDisk Drive #00 is selected.

:	Set Legacy HardDisk Drive Orde	er
HardDisk Drive #00 HardDisk Drive #01 Commit Changes and Ex Discard Changes and Ex		#88
1=Move Highlight	<enter>=Select Entry Es</enter>	sc=Exit

FIGURE 3.53 Change of the Priority Level (Set Legacy HardDisk Drive Order) (1)

1. Press [Enter] key. A pop-up window shown in "FIGURE 3.54 Change in Priority Level (Set Legacy HardDisk Drive Order) (2)" appears.

sk Drive #09	< Class 08 Dev 00) PCI RA Adapter>	800
sk Drive #01	<fujitsu handydr1ve100<="" td=""><td>2</td></fujitsu>	2
Changes and Exi d Changes and		
	Isabiled JJITSU Handulir ive100	
	hes OG Dev OO)PCI RAID Adapt	er:
		er.
		er.
		er.
		er

FIGURE 3.54 Change in Priority Level (Set Legacy HardDisk Drive Order) (2)

3. The cursor is placed on the boot option which is to be set in HardDisk Drive #N. In the "FIGURE 3.54 Change in Priority Level (Set Legacy HardDisk Drive Order) (2)", the boot option is set for HardDisk Drive #00.

4. [Enter] key is pressed. In "FIGURE 3.54 Change in Priority Level (Set Legacy HardDisk Drive Order) (2)", the boot option of HardDisk Drive #00is changed from (Bus 08 Dev 00) PCI RAID Adapter to Fujitsu HandyDrive100.

"FIGURE 3.55 Change in Priority Level (Set Legacy HardDisk Drive Order) (3)" is an example of window when the priority level of HDD is substituted.

When the boot option set in HardDisk Drive Order #N is set in another HardDisk Drive Order #M before setting, the boot option which had been set in HardDisk Drive Order #N before making changes, is set in HardDisk Drive Order #M. In "FIGURE 3.55 Change in Priority Level (Set Legacy HardDisk Drive Order) (3)", (Bus 08 Dev 00) PCIRAID Adapter is set to HardDisk Drive Order#01 in which Fujitsu HandyDrive100 is set.

FIGURE 3.55 Change in Priority Level (Set Legacy HardDisk Drive Order) (3)

HardDisk Drive #00 HardDisk Drive #01	<pre>KHIJIISU HandoOrioe100 <(Bas 68 Dev 00) PCI RAI Adapter></pre>	
Commit Changes and E Discard Changes and		
t∔=Move Highlight	<enter>-Select Entry 1</enter>	sc=Exit

5. Enable/Disable of HardDisk Drive #N is set.

- Select "Disable" to make Disable.
- Select boot option to make Enable.

"FIGURE 3.56 Change in Priority Level (Set Legacy HardDisk Drive Order) (4)" is an example of window on which the HardDisk Drive #00 is set to Disable.

The Disabled HardDisk Drive #N is displayed as "Disable".

HardDisk Drive #00 HardDisk Drive #01 Commit Changes and E	 CBus 00 Dev 000 PCI RAI Pdapter> <pujitsu handydrive100<="" li=""> </pujitsu>	809
Discard Changes an	(Bus OB Dev 000 PCI RAID Adapte RUJITSU HandyDrive100 Disabled	

FIGURE 3.56 Change in Priority Level (Set Legacy HardDisk Drive Order) (4)

6. Select [Commit Changes and Exit] and press [Enter] key to exit from the menu by saving the set changes. Select [Discard Changes and Exit] and press [Enter] key to exit from the menu without saving the set changes.

■ [Set Legacy CD-ROM Drive Order] Menu

When DVD/CD drives exist in multiple numbers, the [Set Legacy CD-ROM Drive Order] menu sets the priority level of the startup device.

The window at the time of starting menu [Set Legacy CD - ROM Drive Order] is indicated below.

The information on the DVD/CD drive is displayed on the window. Moreover, if "Disable" is displayed in ATAPI CDROM Drive# N the boot function of ATAPI CDROM Drive #N is Disable.

ATAPI CDROM Drive 200 ATAPI CDROM Drive 201	Continue dubied and offer this Confitum Virtual CORDMS 1.000	In the \$60
Commit Changes and Exit Discard Changes and Exit		
)

FIGURE 3.57 Example of Displayed [Set Legacy CD-ROM Drive Order] Menu

(1) Page Information Display Displayed as [Set Legacy CD-ROM Drive Order]

(2) Menu Selection

The items indicated in "TABLE 3.77 Displayed Contents of Menu Selection" are displayed.

Items	Description	
ATAPI CDROM Drive #N	Moves to order change of DVD/CD boot. If the item is executed,	
(N:0, 1,)	the pop up window is displayed and then, the setting can be changed. The change method is explained in detailed by subsequent "■Change in priority level (Set Legacy CD - ROM	
	Drive Order)" after this. Furthermore,	
Commit Changes and Exit	After saving the contents for which the setting is changed, exit	
	from the menu.	
	Attention	
	It is necessary to come off the menu by "Commit Changes and	
	Exit" when the setting is changed.	
	Do not come off the menu by "Esc".	
Discard Changes and Exit	After cancelling the contents for which the setting is changed,	
	exit from the menu.	

(3) Operation Help Display

Description of Operating Keys is shown in the "TABLE 3.78 Display Contents of Operation Help Display"

Item	Description	
↑↓= Move Highlight	Moves cursor up and down.	
<enter>=Select Entry</enter>	Selects item.	
Esc=Exit	Returns to '3.1 Front page of Boot Manager'.	

TABLE 3.79 Display Contents of	f Operation Help Display
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The contents displayed when the Pop-up Window appears are shown in "TABLE 3.79 Display Contents of Operation Help Display when Pop-up Window appears."

TABLE 3.80 Display Contents of Operation Help Display when Pop-up Window appears

Item	Description
↑↓= Move Highlight	Moves cursor up and down.
<enter>=Select Entry</enter>	Selects item.
Esc=Exit	Returns to '3.1 Front page of Boot Manager'.

• Change in Priority Level (Set Legacy CD-ROM Drive Order)

The changes of boot order are executed according to the following procedure.

1. On the window, as shown in "FIGURE 3.58 Change in priority level (Set Legacy CD-ROM Drive Order (1)", place the cursor on ATAPI CDROM Drive# N for which device can be changed. Select ATAPI CDROM Drive#00 on "FIGURE 3.58 Change in priority level (Set Legacy CD-ROM Drive Order (1)".

FIGURE 3.58	Change in priority	level (Set Legacy	CD-ROM Drive Order (1	1)
-------------	--------------------	-------------------	-----------------------	----

Set Legacy CD-ROM Drive Order					
ATAPI CDROM Drive #00 ATAPI CDROM Drive #01	COptiarc DVD RV AD-7543 1-U1> <fujitsu cdromo<br="" virtual="">1.00></fujitsu>	Drive #00			
	Commit Changes and Exit Discard Changes and Exit				
†∔=Move Highlight	<enter>=Select Entry 1</enter>	Esc=Exit			

2. Press [Enter] key

Pop-window showed in "FIGURE 3.59 Change in priority level (Set Legacy CD-ROM Drive Order (2)" is displayed.

Set Legacy CD-ROM Drive Order			
ATAPI CDROM Drive #00 ATAPI CDROM Drive #01	<pre><optiarc ad-7543c<br="" dud="" ru="">1-U1> <fujitsu cdrom0<br="" virtual="">1.00></fujitsu></optiarc></pre>	Select ATAPI CDROM Drive #00	
1.00> Commit Changes and Discard Changes and Fujitsu Virtual CDROMO 1.00 Optiarc DVD RW AD-7543C 1-U1			
†∔=Move Highlight <	Enter>=Complete Entry Esc=	=Exit Entry	

FIGURE 3.59 Change in priority level (Set Legacy CD-ROM Drive Order (2)

Place the curser on the boot option which is to be set in the ATAPI CDROM Drive #N. In the "FIGURE 3.59 Change in priority level (Set Legacy CD-ROM Drive Order (2)", boot option with respect to ATAPI CDROM #00 is set.
 Press [Enter] key and in the "FIGURE 3.59 Change in priority level (Set Legacy CD-ROM Drive Order (2)", change the boot option of ATAPI CDROM Drive #00, from Optiarc DVD RW AD -7543C1-U1 to Fujitsu Virtual CDROM01.00.

"FIGURE 3.60 Change in priority level (Set Legacy CD-ROM Drive Order) (3)", is an example of the window when the priority level of the DVD/CD is interchanged. When the boot option set in the ATAPI CDROM Drive Order #N is set in the other HardDisk Drive Order #M before setting, boot option set in the ATAPI CDROM Drive Order #N before change is set in the ATAPI CDROM Drive Order #N.

In the "FIGURE 3.60 Change in priority level (Set Legacy CD-ROM Drive Order) (3)", Optiarc DVD RW AD-7543C1-U1is set in the ATAPI CDROM Drive Order #01wherein Fujitsu Virtual CDROM01.00 is set.

FIGURE 3.60 Change in priority level (Set Lega	cy CD-ROM Drive	Order) (3)

Set Legacy CD-ROM Drive Order		
ATAPI CDROM Drive #00	<fujitsu cd<br="" virtual="">1.00></fujitsu>	ROMO Select ATAPI CDROM Drive #00
ATAPI CDROM Drive #01	<optiarc ad-<br="" dvd="" rw="">1-U1></optiarc>	
Commit Changes and Exi Discard Changes and Ex		
†1=Move Highlight	<enter>=Select Entry</enter>	Esc=Exit
		Configuration changed

5. Set Enable/Disable of ATAPI CDROM Drive #N

· Select "Disable", if you want to disable the drive.

• Select the boot option, if you want to enable the drive.

"FIGURE 3.61 Change in priority level (Set Legacy CD-ROM Drive Order) (4)", is an example of the window when the ATAPI CDROM Drive #00 is set to Disable.

Disabled ATAPI CDROM Drive #N is displayed as "Disable".

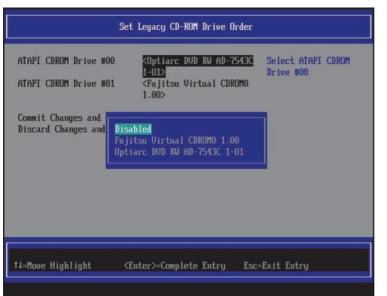


FIGURE 3.61 Change in priority level (Set Legacy CD-ROM Drive Order) (4)

6. When you want to exit from the menu by the saving the setting changes, select "Commit Changes and Exit" and press [Enter] key.

When you want to exit from the menu without saving the setting changes, select "Discard Changes and Exit" and press [Enter] key.

■ [Set Legacy NET Drive Order] menu

[Set Legacy Net Drive Order" menu sets the priority level of the "Boot device" when multiple network ports exist. Window at the time of booting the [Set Legacy NET Drive Order] menu is shown below.

Information of network port is displayed on the window. Moreover, when "Disable" is displayed for the NET Drive #N, it indicates that, booting function of NET Drive #N is disable.



FIGURE 3.62 Display example of the [Set Legacy NET Drive Order] menu

(1) Page information display Displayed as [Set Legacy NET Drive Order]

(2) Menu selection

Items shown in "TABLE 3.80 Display contents of menu selection" are displayed.

Items	Description
NET Drive #N	Transited to order change of the NET boot. When this item is
(N: 0, 1)	executed, pop-up window is displayed. Change method is
	explained in detail in the "■ Change in priority order (Set
	Legacy NET Drive Order)" which is described afterwards.
Commit Changes and Exit	Comes out from the menu after saving the setting changed
	contents.
	Attention
	It is necessary to come off the menu by "Commit Changes and
	Exit" when the setting is changed.
	Do not come off the menu by "Esc".
Discard Changes and Exit	Comes out from the menu after cancelling the setting changed
	contents.

TABLE 3.81	Display content	s of menu selection
	Diopiay contoint	

(3) Operation help display

Explanation of the operation key's shown in "TABLE 3.81 Display content of Operation Help Display" is displayed.

Item	Explanation	
↑↓= Move Highlight	Moves the cursor in up and down directions.	
<enter>=Select Entry</enter>	Selects the item.	
Esc=Exit	Returns to "3.1 Front page of Boot Manager".	

TABLE 3.82 Display content of Operation Help Display

"TABLE 3.82 Display Content of Operation Help Display When Pop up Window Appears." shows the display contents when the pop-up window appears.

TABLE 3.83 Display Content of Operation Help Display When Pop up Window Appears

ltem	Explanation
↑↓= Move Highlight	Moves the cursor in up and down directions.
<enter>=Complete Entry</enter>	Selects the item.
Esc=Exit Entry	Close the pop up window.

■ Change of priority level (Set Legacy NET Drive Order)

Boot order is changed in the following sequence.

1. Place the cursor on NET Drive #N which wants to change the device on the screen shown in "FIGURE 3.63 Change (Set Legacy NET Drive Order) (1) of priority level". In "FIGURE 3.63 Change (Set Legacy NET Drive Order) (1) of priority level", NET Drive #00 has been selected.

NET Drive #00 NET Drive #01	<tba 0900="" ge="" slot="" v13<br=""><tba 0901="" ge="" slot="" th="" v13<=""><th></th></tba></tba>	
Commit Changes and E		167
liscard Changes and		

FIGURE 3.63 Change (Set Legacy NET Drive Order) (1) of priority level

2. Press the [Enter] key.

A pop up window shown in "FIGURE 3.64 Change of Priority Level (Set Legacy NET Drive Order) (2)" appears.

Set Legacy NET Drive Order		
NET Drive #00 NET Drive #01	(IBA GE Slot 0900 v13) (IBA GE Slot 0901 v13)	
Conmit Changes and E		
Discard Changes and	Exit	
	Disabled IBA GE Slot 0901 v1372	
	IBA GE Slot 0900 01372	
1=Move Highlight	<enter>=Complete Entry</enter>	Esc=Exit Entry
		Configuration changed

FIGURE 3.64 Change of Priority Level (Set Legacy NET Drive Order) (2)

3. Place the cursor on the boot option which is to be set in NET Drive #N. In "FIGURE 3.64 Change of Priority Level (Set Legacy NET Drive Order) (2)", the boot option is set in NET Drive #00.

4. Press the [Enter] key. In "FIGURE 3.64 Change of Priority Level (Set Legacy NET Drive Order) (2)", the boot option of NET Drive #00 is changed from IBA GE Slot 0900 v1372 to IBA GE Slot 0901 v1372.

"FIGURE 3.65 Change of Priority Level (Set Legacy NET Drive Order) (3)" is an example of the window when the priority level of network port is changed. When the boot option set in NET Drive #N is set in another NET Drive #M before setting, the boot option which had been set in NET Drive #N before changes, is set in NET Drive #M. In "FIGURE 3.65 Change of Priority Level (Set Legacy NET Drive Order) (3)", IBA GE Slot 0900 v1372 is set in NET Drive #01 in which IBA GE Slot 0901 v1372 was set.

FIGURE 3.65 Change of Priority Level (Set Legacy NET Drive Order) (3)

1722 NET Drive 100 372>
Esc=Exit

- 5. Set Enable/Disable of NET Drive #N.
- Select "Disable" to disable.
- Select boot option to enable.

"FIGURE 3.66 Change of Priority Level (Set Legacy NET Drive Order) (4)" is an example of window in which the NET Drive#01 is set to Disable.

The Disabled NET Drive #N is displayed as "Disable".

FIGURE 3.66 Change of Priority Level (Set Legacy NET Drive Order) (4)

Set Legacy NET Drive Order		
NET Drive #00 NET Drive #01 Commit Changes and Exit Discard Changes and Exit		NET Drive #01
	Disabled IBA GE Slot 0901 01372 IBA GE Slot 0900 01372	
†↓=Move Highlight	(Enter)=Counteta Fotru - For	=Exit Entry
Itenove nightight.		errit entry Configuration changed

6. Select [Commit Changes and Exit] and press [Enter] key to exit from this menu by saving the set changes. Select [Discard Changes and Exit] and press [Enter] key to exit from this menu without saving the set changes.

3.5.3 [Boot From File] Menu

The [Boot From File] menu is used to boot immediately by specifying the boot loader file of operating system in the storage device which is recognized by UEFI.

The following window is window immediately after the activation of the [Boot From File] menu. A list of storage devices recognized by UEFI is displayed.

k	File Explorer	
0) /Pci (0x0,0x0) /P 0) /Pci (0x0,0x0) /P 10 /Pci (0x0,0x0) /P 10 /Pci (0x0,0x0) /P 0) /Pci (0x0,0x0) /P 0) /Pci (0x0,0x0) /P x0,0HCP,0.0.0.0,0 10 /Pci (0x0,0x0) /P 0) /Pci (0x0,0x0) /P 0) /Pci (0x0,0x0) /P	i (0x3,0x0) /Pci (0x0,0x0) /Pci (ci (0x9,0x0) /Pci (0x0,0x0) /Pci AC (2CD444F1444A,0x0) /Tv6 (00 000:0000:0000,0x0,Static,000	(0x2.0x 0x10.0x (0x2.0x 0.0.0,0 0x10.0x (0x2.0x 0.0.0,0 0x10.0x 00x2.0x 00x2.0x
.0000:0000:0000:000	h.	1

FIGURE 3.67 Display Example of [Boot From File] Menu

(1) Page Information Display

[File Explorer] is displayed.

(2) Menu Selection

Storage device list, by which UEFI is recognized, is displayed.

(3) Operation helps Display

Description of operation key is shown in "TABLE 3.83 Display Contents of Operation Help Display"

Items	Description
1↓ =Move Highlight	Moves the cursor up and down.
<enter>=Select Entry</enter>	Selects the items.
Esc=Exit	Returns to "3.1 Front page of Boot Manager" .

TABLE 3.84 Display Contents of Operation Help Display

Specification of Boot File (Boot from File)

1. Place the cursor to storage device which stores the Operating System Boot Loader File to be booted from the device list window shown in "TABLE 3.83 Display Contents of Operation Help Display"

FIGURE 3.68 Specifications of Boot File (1)

File E	xplorer
NO UOLUME LABEL. IPcieRoot(0x0)/Pci(0x2,0x0)/Pci(0x0, 0)/Pci(0x0,0x0)/Pci(0x9,0x0)/Pci(0x0,0) 95883-5804-498C-BAGB-A4DBB20E3F44.0x NO UOLUME LABEL. IPcieRoot(0x0)/Pci(0x2,0x0)/Pci(0x0,0)/Pci(0x0,0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x0)/Pci(0x0,0x	0.0x0) /Pci (0x1.0x k0) /HD (2.GPT.6EE 96000.0x32000)] 0x0) /Pci (0x10.0x 0,0x0) /Pci (0x11.0 0.0x0) /Fibre (0x2 1.GPT.23784BC2-A 0x0) /Pci (0x10.0x 0,0x0) /Pci (0x11.0
14=Move Highlight <enter>=Selec</enter>	t Entry Esc=Exit

2. Press [Enter] key.

As shown in "FIGURE 3.69 Specifications of Boot File (2)", file list of storage device appears.

Contents enclosed in [< >] is a directory. Following figure is a display example when the disk installed by Window Server 2012 is selected.

	File Explorer		
<.> <> ≪Nicrosoft> ≪Cot}			
14=Move Highlight	<enter>=Select Entry</enter>	Esc=Exit	

FIGURE 3.69 Specifications of Boot File (2)

3. Operating System Loader File to be booted appears as shown in "FIGURE 3.70 Specifications of Boot File (3)" by following the directory structure.

	File Explorer		
<pre></pre>			
14-Move Highlight	<enter>=Select Entry</enter>	Esc=Exit	

FIGURE 3.70 Specifications of Boot File (3)

4. Press [1] key or [1] key and select Operating System Loader File to be booted.

5. Press [Enter] key.

File is loading and Operating System is activated.

3.5.4 [Boot From DVD/CD] Menu

When this menu is selected, it operates as follows.

- It starts from the medium inserted in DVD/CD Drive connected with the system. At this time, it does not start from Hard Disk Drive and Net Drive connected with the system.
- This menu is for the start of the medium for maintenance.
- When DVD/CD Drive is not connected or the medium has not been inserted, the following messages are displayed.

FIGURE 3.71 [Boot From DVD/CD] Message



It is started from the medium of DVD/CD Drive again by connecting DVD/CD Drive while displaying the abovementioned message, inserting the medium, and inputting the key.

3.5.5 [Set Boot Delay Time] Menu

[Set Boot Delay Time] Menu sets the standby time from the completion time of UEFI diagnosed process till the Operating System process transfer time, in seconds. Default setting is 10 Seconds. The time set in this menu is the standby time of key input. In the standby time of key input, as shown in "FIGURE 3.72 Logo Window]", the Logo Window appears. Except [Enter] key, if other key is input during the standby time of key input, then it transited to Boot Manager Front Page. Moreover, if [Enter] key is input, it immediately transit to Operating System activation process.



FIGURE 3.72 Logo Window

Following window is a display example of [Set Boot Delay Time] Menu.

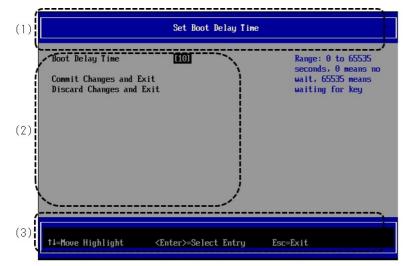


FIGURE 3.73 Display Example of [Set Boot Delay Time] Menu

(1) Page Information Display

[Set Boot Delay Time] is displayed.

(2) Menu Selection

Displayed selection menu is shown in "TABLE 3.84 Display Content of Menu Selection Help Display"

Items	Description
Boot Delay Time	Sets the time out time of Logo Window. Unit is seconds
	· 0~65535
	Default time is 10 Seconds
Commit Changes and Exit	Exit from main menu after the changed contents of configuration are saved. Attention
	It is necessary to come off the menu by "Commit Changes and
	Exit" when the setting is changed.
	Do not come off the menu by "Esc".
Discard Changes and Exit	Exit from main menu after the changed contents of configuration are cancelled.

TABLE 3.85 Display Content of Menu Selection Help Display

(3) Operation Help Display

Describe of operation key is shown in "TABLE 3.85 Display Contents of Operation Help Display".

TABLE 3.86 Display Contents of Operation Help Display

Item	Description
↑↓= Move Highlight	Moves cursor up and down.
<enter>=Select Entry</enter>	Selects item.
Esc=Exit	Returns to '3.1 Front page of Boot Manager'

The contents displayed when the Pop-up Window appears are shown in "TABLE 3.86 Content of Operation Helps Display when Pop -up Window appears."

ltem	Description
0123456789 are valid	"Timeout" settings are valid only for numerical keys.
inputs	
<enter>=Select Entry</enter>	Selects item.
Esc=Exit	Returns to '3.1 Front page of Boot Manager'

3.6 Device Path

Device path shows the physical connection of device and also shows the relation of connection from PCI Route Bridge.

3.6.1 Parameter of Device Path

Each parameter of displayed device path is shown in the "TABLE 3.87 Parameter of Device Path".

	TABLE 3.88 Parameter of Device Path
Display	Description
Acpi (HID, UID)	ACPI device path HID is an abbreviation of Hardware ID. An ID by which ACPI specifications are conformed is given below. UID is an abbreviation of Unique ID.(Can be omitted)
Pci(Device, Function)	PCI Device Device is the device number of PCI device. 0-31 is shown with hexadecimal. Function is the function number of PCI device. It is shows with 0-7 digits.
Scsi(PUN, LUN)	Scsi Controller PUN is an abbreviation of Physical Unit Number. It means SCSI ID. 0-65535 is shown with hexadecimal. LUN is an abbreviation of Logical Unit Number. 0-65535 is shown with hexadecimal.
Fibre(WWN, LUN)	Fibre Controller WWN is an abbreviation of World Wide Name. It shows with numeric of 64 bit. LUN is an abbreviation of Logical Unit Number. It shows with numeric of 64 bit.
MAC(MacAddr, IfType)	Network MacAddr is an abbreviation of Mac Address. If Type is an abbreviation of Interface Type. 0-255 is shown with hexadecimal.
HD(Partition, Type, Signature, Start, Size)	Hard Drive Partition shows the partition number. Type shows Partition Type. (Can be omitted). Type is given below. GPT: Abbreviation of GUID Partition Table. MBR: Abbreviation of Master Boot Record. Signature consists of the meaning of Partition Type as shown below GPT: Shows GUID MBR: Numeric value. Start shows the starting position of partition. It shows with numeric of 64 bit. Size shows the Partition Size. It shows with numeric of 64 bit.
CDROM(Entry, Start, Size)	CD/DVD Media Entry shows the boot entry number. (Can be omitted).It is usually shown with 0. Start shows the starting sector of boot entry. It shows with numeric of 64 bit. Size shows Partition Size. It shows with numbers of 64 bit.
USB(Port, Interface)	USB Port shows the port number of USB. 0-255 is shown with hexadecimal. Interface shows interface number. 0-255 is shown with hexadecimal.
Ctrl(Controller)	Controller Controller consists of the integers.

TABLE 3.88 Parameter of Device Path

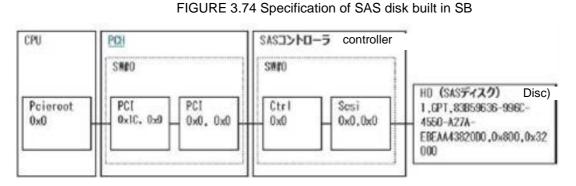
3.6.2 Identification of Device Path

Description regarding the identification method of SAS disk built in SB, SAS disk built in DU, disk from Fibre card and device path of GigaLAN is shown below.

SAS Disk built in SB

Specific method of SAS disk built in SB is described as an example.

Relation of connection from CPU to SAS disk built in SB is shown in "FIGURE 3.74 Specification of SAS disk built in SB" shows the device Node.



Device Path is as follows.

PcieRoot(0x0)/Pci(0x1C,0x0)/Pci(0x0,0x0)/Ctrl(0x0)/Scsi(0x0,0x0)/HD(1,GPT, 83B59636 - 996C - 4550 - A27A - EBEAA43820D0, 0x800, 0x32000)

SAS Disk built in DU

Specific method of SAS disk built in DU#0 is described as an example.

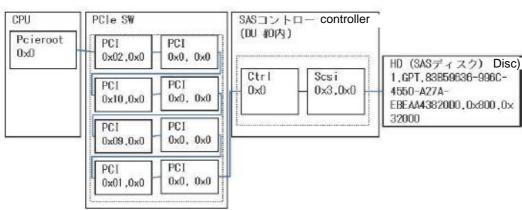


FIGURE 3.75 Specification of SAS Disk built in DU#0

Device path of SAS device is as follows.

Pcieroot(0x0)/PCI(0x02,0x0)/PCI(0x0,0x0)/PCI(0x10,0x0)/PCI(0x0,0x0)/PCI(0x09,0x0)/PCI(0x0,0x0)/PCI(0x01,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/PCI(0x0,0x0)/

Disk Specification from Fibre Card

Disk specific method from Fibre connection when Fibre Card is inserted to PCIe of IOU is described as an example.

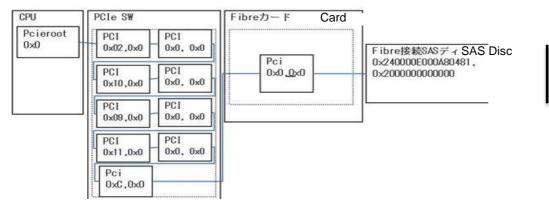


FIGURE 3.76 Specification of Disk from Fibre Card

GigaLAN

Specific method of GigaLAN built in IOU is described as an example.

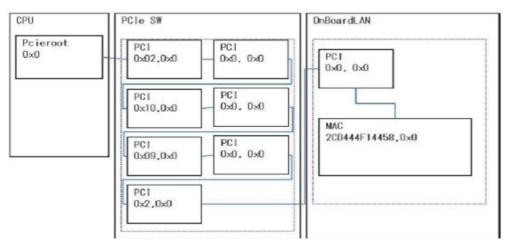


FIGURE 3.77 Specification of GigaLAN

Device path of GigaLAN is as follows.

Pcieroot(0x0)/PCI(0x02,0x0)/PCI(0x0,0x0)/PCI(0x10,0x0)/PCI(0x0,0x0)/PCI(0x09,0x0)/PCI(0x09,0x0)/PCI(0x09,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(0x00,0x0)/PCI(

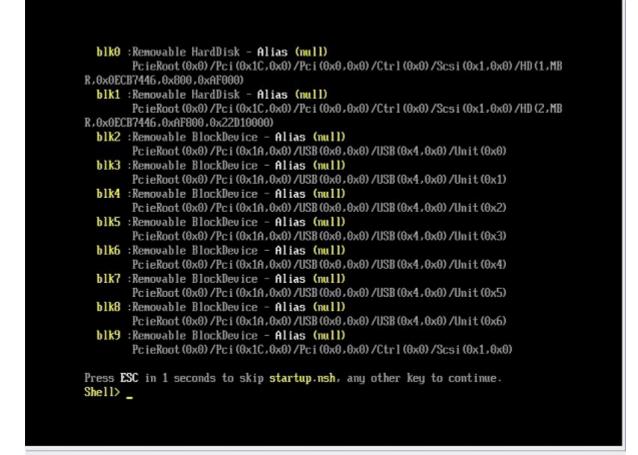
CHAPTER 4 UEFI Command Operations

This chapter describes the operations of UEFI commands.

4.1 Automatic startup file

The UEFI of the PRIMEQUEST 2000 series supports the UEFI shell function. Users can use the UEFI shell to execute commands from the UEFI console. FIGURE 4.1 Sample screenshot of the UEFI shell immediately after it starts shows a screenshot of when the UEFI shell starts.

FIGURE 4.1 Sample screenshot of the UEFI shell immediately after it starts



4.1.1 Automatic startup file

Immediately after starting, the UEFI shell checks for the startup.nsh file in the defined execution path.lf the file exists, the shell executes the commands specified in the file.

Then, it waits for command input from the console. This situation does not always require the startup.nsh file.

Remarks

The execution path is the directory path specified in the shell environment path variable. You can display and change this directory path by using the set command.

4.1.2 UEFI shell command syntax

You can view and display the shell environment variables by using the set command.

To access an environment variable value as an argument for a shell command, enclose the variable name in percent signs "%", as shown below.

%myvariable%

The shell has a special variable called lasterror. This variable retains the value returned by the last executed shell command.

The file name argument in shell commands uses the following characters as wildcards: "*", "?", "[", and "]".

Character string	Meaning
*	Matches 0 or more characters in the file name.
?	Matches exactly 1 character in the file name.
[Character string]	Matches any of the characters between the brackets []. An example is [azA-Z].

TABLE 4.1 Wildcard characters in the UEFI shell

4.1.3 Output redirection

UEFI shell command output can be redirected to a file. The syntax to do so is as follows.

Command > unicode_output_file_pathname Command >a ascii_output_file_pathname Command 1> unicode_output_file_pathname Command 1>a ascii_output_file_pathname Command 2> unicode_output_file_pathname Command 2>a ascii_output_file_pathname Command >> unicode_output_file_pathname Command 1>> unicode_output_file_pathname Command 1>> unicode_output_file_pathname

TABLE 4.2 Output redirection lists the types of output redirection and append.

Character string	Meaning
>	Redirects the standard output to a Unicode file.
>a	Redirects the standard output to an ASCII file.
1>	Redirects the standard output to a Unicode file.
1>a	Redirects the standard output to an ASCII file.
2>	Redirects the standard error output to a Unicode file.
2>a	Redirects the standard error output to an ASCII file.
>>	Appends the standard output to a Unicode file.
>>a	Appends the standard output to an ASCII file.
1>>	Appends the standard output to a Unicode file.
1>>a	Appends the standard output to an ASCII file.

TABLE 4.2 Output redirection

Remarks

You can redirect the standard output or standard error output to the same file. Note that the standard output or standard error output cannot be redirected to multiple files at the same time.

4.1.4 UEFI shell command list

TABLE 4.3 UEFI shell commands lists the UEFI shell commands supported by the UEFI of the PRIMEQUEST 2000 series.

No.	Command name	Description
1	cd	Displays and changes the current directory.
2	connect	Binds the UEFI driver to a device and starts the driver.
3	ср	Copies one or more files or directories to another location.
4	date	Displays and sets the current system date.
5	disconnect	Disconnects one or more drivers from a device.
6	drvcfg	Executes the driver configuration protocol. *1
7	echo	Displays messages and enables or disables command echo.
8	edit	Used to edit an ASCII or Unicode file in full screen mode.
9	exit	Exits the UEFI shell.
10	help	Displays the command list or command help.
11	ls	Displays the files and subdirectories in a directory.
12	map	Displays and defines a mapping.
13	mkdir	Creates one or more directories.
14	mount	Mounts a file system on a block device.
15	mv	Moves one or more files.
16	pci	Displays a PCI device or a PCI configuration space.
17	reconnect	Reconnects one or more drivers.
18	reset	Resets the system.
19	rm	Deletes one or more files or directories.
20	set	Displays, creates, changes, or deletes a UEFI environment variable.
21	time	Displays the current time. Also, it sets the system time.
22	type	Displays the contents of a file.
23	ver	Displays the volume information for a file system.
24	vol	Displays the volume information for a file system.

TABLE 4.3 UEFI shell commands

*1 : Execute "Connect -r" command before executing drvcfg command.

CHAPTER 5 Dynamic Reconfiguration Operation

This chapter describes the DR command and the Hot plug collaboration function.

5.1 DR Command

This chapter describes the CLI (command line interface) provided by the DR command. The root permission is necessary for executing.

5.1.1 dr command (common part)

5.1.1.1 Synopsis

/opt/FJSVdr-util/sbin/dr [--version] [--help] COMMAND [ARGS]

5.1.1.2 **Description**

This is basic command to DR operation. The subcommand is taken in the argument. It returns when the command is completed.

5.1.1.3 **Options**

Options	Meaning
version	Print the version number of DR command
help	Print the synopsis and a list of subcommands.
COMMAND	Specify subcommand
ARGS	Specify arguments of subcommand

5.1.1.4 Exit status

Exit status	Meaning
0	Successful program completion
1	Unsuccessful program completion
128+signul number <s></s>	Terminated abnormally because the signal of signal number <s> was received</s>

5.1.2 Device hot-add/hot-remove operation (add/rm subcommand)

5.1.2.1 Synopsis /opt/FJSVdr-util/sbin/dr [--help] <add | rm> Device

5.1.2.2 Description

This is the subcommand for hot-add/hot-remove IOU or PCI Express card.

5.1.2.3 Options

Arguments	Meaning
Device	Target device. e.g. IOUx, PCIex
	"x" represents the slot number.
	Only one target can be specified at a time.
help	Print the synopsis of add/rm subcommand

5.1.2.4 Example

e.g. when you hot-add IOU3

/opt/FJSVdr-util/sbin/dr add IOU3

5.1.3 Show slot status (slot subcommand)

5.1.3.1 **Synopsis**

/opt/FJSVdr-util/sbin/dr stat DeviceType

5.1.3.2 **Description**

This is the subcommand for displaying hot plug slot status of IOU or PCI Express card. The number displayed after the output device represents the slot number.

The meaning of the state of IOU type is as follows:

- empty : IOU is not assigned to the partition (OS)
- offline : IOU is assigned to the partition, but the slot power is OFF. (IOU is disabled)
- online : IOU is assigned to the partition and the slot power is ON. (IOU is enabled)

The meaning of the state of pcie type is as follows:

- empty : There's no PCI Express card on the slot
- offline : PCI Express card is on the slot, but the slot power is OFF. (PCIe is disabled)
- online : PCI Express card is on the slot, and the slot power is ON. (PCIe is enabled)

5.1.3.3 Options

Arguments	Meaning
Device Type	Target device type. e.g. IOU, pcie
	Only one target can be specified at a time.
help	Print the synopsis of stat subcommand

5.1.3.4 **Example**

e.g. When you hot-add PCI card to slot number 20 of PCI slot

/opt/FJSVdr-util/sbin/dr stat pcie pcie20: online pcie21: offline pcie22: empty

5.1.4 Show resources on device (show subcommand)

5.1.4.1 Synopsis

/opt/FJSVdr-util/sbin/dr show Device [--possible]

5.1.4.2 **Description**

This is the subcommand for displaying resources on the device.

- When specified device is IOU, All I/O resources (PCI) on IOU are displayed
- When specified device is pcie, the name of PCI Express device is displayed

5.1.4.3 **Options**

Arguments	Meaning
Device	Target device. e.g. IOUx, pciex
	"x" represents the slot number.
	Only one target can be specified at a time.
help	Print the synopsis of show subcommand

5.1.4.4 Example

e.g. When you want to display I/O resources on IOU1:

/opt/FJSVdr-util/sbin/dr show IOU1
04:00.0 PCI bridge: PLX Technology, Inc. Device 8748 (rev ba)
05:09.0 PCI bridge: PLX Technology, Inc. Device 8748 (rev ba)
06:00.0 PCI bridge: PLX Technology, Inc. Device 8748 (rev ba)
07:01.0 PCI bridge: PLX Technology, Inc. Device 8748 (rev ba)
07:02.0 PCI bridge: PLX Technology, Inc. Device 8748 (rev ba)
07:08.0 PCI bridge: PLX Technology, Inc. Device 8748 (rev ba)
07:09.0 PCI bridge: PLX Technology, Inc. Device 8748 (rev ba)
07:10.0 PCI bridge: PLX Technology, Inc. Device 8748 (rev ba)
07:11.0 PCI bridge: PLX Technology, Inc. Device 8748 (rev ba)
09:00.0 Ethernet controller: Intel Corporation I350 Gigabit Network Connection (rev 01)
09:00.1 Ethernet controller: Intel Corporation I350 Gigabit Network Connection (rev 01)
0c:00.0 Ethernet controller: Intel Corporation I350 Gigabit Network Connection (rev 01)
0c:00.1 Ethernet controller: Intel Corporation I350 Gigabit Network Connection (rev 01)
0f:00.0 Fibre Channel: Emulex Corporation Saturn-X: LightPulse Fibre Channel Host Adapter (rev 03)
0f:00.1 Fibre Channel: Emulex Corporation Saturn-X: LightPulse Fibre Channel Host Adapter (rev 03)

5.1.5 Information gathering (dr report subcommand)

5.1.5.1 Synopsis /opt/FJSVdr-util/sbin/dr [--help] report

5.1.5.2 Description

This is the subcommand for gathering information for investigation.

5.1.5.3 Options

Argument	Meaning
help	Print the synopsis of report subcommand

5.1.5.4 Example

e.g

/opt/FJSVdr-util/sbin/dr report Create report file at /tmp/drreport-localhost-20130101-123456.tar.bz2

5.2 Hot plug collaboration function

5.2.1 Description of collaboration function

The resources (CPU and memory and IO resource) of SB or IOU increases or decreased by the DR operation. If external software depends on quantities or location of these resources, they are affected by DR operation. For this case, if the desired programs (called "collaboration program") of external programs are registered in specific directories, the desired programs are automatically executed in hot plug collaboration function at SB/IOU hot plug.

5.2.2 Collaboration program execution timing

Hot plug collaboration function executes collaboration programs by the following hot plug events:

- SB hot add
 - Before enabling CPU and memory resources on a hot added SB (simply called "before addition of SB")
 - o After enabling CPU and memory resources on a hot added SB (simply called "after addition of SB")
 - At the time that CPU and memory resources on a added SB fails to be enabled (simply called "at the addition of SB failure time")
- SB hot remove
 - Before disabling CPU and memory resources on a hot removed SB (simply called "before deletion of SB")
 - After deleting an SB from a partition (simply called "after deletion of SB")
 - At the time that an SB failed to be deleted from a partition (simply called "at the deletion of SB failure time)
- IOU hot add
 - o Before enabling PCI devices on a hot added IOU (simply called "before addition of IOU")
 - After enabling PCI devices on a hot added IOU (simply called "after addition of IOU")
 - At the time that PCI devices on a hot added IOU fails to enable (simply called "at the addition of IOU failure time")
- IOU hot remove
 - o Before disabling PCI devices on a hot removed IOU (simply called "before deletion of IOU")
 - After turning off an IOU (simply called "after deletion of IOU")
 - At the time that an IOU failed to be turned off (simply called "at the deletion of IOU failure time")

At each execution time, the hot plug collaboration function sequentially executes the collaboration program stored in the specified directory.

The collaboration programs that are executed before addition of SB, after addition of SB, before deletion of SB, after deletion of SB, before addition of IOU, after addition of IOU, before deletion of IOU and after deletion of IOU are executed in ascending order of program file names.

The collaboration program that are executed at the SB addition failure time, at the SB deletion failure time, at the IOU addition failure time and at the IOU deletion failure time are executed in descending order of program file names.

For the directory that stored collaboration program, see Section 5.2.4 "Directory that stored collaboration program". For naming rule of collaboration program, see Section 5.2.5 "Naming convention of collaboration program".

5.2.3 Timeout of collaboration program

Hot plug collaboration function does not know details of collaboration programs. Thus hot plug collaboration function sequentially execute collaboration programs for preventing depletion of resources. A collaboration program may terminate abnormally by some reasons. Thus when collaboration program does not finish in constant waiting time, hot plug collaboration function handles it as follows:

- 1) Send SIGTERM signal to collaboration program
- 2) Send SIGKILL signal to collaboration program when a collaboration program does not finish even if waiting for one minute after SIGTERM is sent

This waiting time can be modified by configuration file. The assignable value is shown below. The default value is five minutes.

Set value	Action
5-1024	Wait for the completion of a collaboration program at specified time. The unit of value is the minute.
0	Wait for the completion of a collaboration program unlimitedly
-1 or less	The value is out of assignable value. Wait for the completion of a collaboration program at 5 minutes as default.
1-4	The value is out of assignable value. Wait for the completion of a collaboration program at 5 minutes as default.
1025 or more	The value is out of assignable value. Wait for the completion of a collaboration program at 5 minutes as default.

Specify 0 to waiting time, when collaboration program must be completed to continue DR. But DR function stops until the collaboration program is completed.

5.2.4 Directory that stored collaboration program

The collaboration program must be stored in the following directory. /opt/FJSVdr-util/user_command

The configuration file of the collaboration program must be stored in the following directory. /opt/FJSVdr-util/etc

Note that creating new directory under the above directories is not allowed.

5.2.5 Naming convention of collaboration program

Naming convention of collaboration program is shown below.

	-	-	-		-	-
	~	<u>\/\/</u>	~	,		
nn-	x	ХХ.	хх			
	<i>.</i>			•		

≻ nn

"nn" must be a two-digital number (one-byte characters) ranging from 10 to 90

Hot plug collaboration function executes the collaboration programs in ascending order of their collaboration program name. To execute a collaboration program earlier than the other collaboration programs by installed other packages, assign the collaboration programs with lower numbers than those assigned to the collaboration programs installed by the other packages. To execute a collaboration program later than the other collaboration programs by installed other packages, assign the collaboration programs with higher numbers than those assigned to the collaboration programs installed by the other packages.

> XXXXX

"XXXXX" represents a collaboration program identifier which constructed by alpha-numeral and hyphen (one-byte characters)

The recommended identifier for a collaboration program is a name from which the contents of the program can easily be inferred. To avoid duplicative collaboration program name, head of identifier should have the package name.

Note: "-" between "nn" and "XXXX" must not be omitted

Naming convention	of configuration file of collaboration program is shown below:
XXXXX.conf	

➤ XXXXX

"XXXXX" is character string which specified as collaboration program identifier. "nn-" of collaboration program name must be omitted.

An example of a collaboration program name is shown below.

e.g. Package name is FJSVxxx and collaboration program are get-cpu-info and get-node-info

[collaboratino program name] 10-FJSVxxx-get-cpu-info 20-FJSVxxx-get-node-info [configuration file of collaboration program] FJSVxxx-get-cpu-info.conf FJSVxxx-get-node-info.conf

5.2.6 Method of describing configuration file of collaboration program

How to write a configuration file of a collaboration program is as follows:

```
<Setting itme> = <Setting value>
```

Setting item	Setting value		
verbose	set of verbose mode		
	true or false		
	When true is set to verbose item, collaboration program is executed called with "- v" argument which indicates verbose mode		
	Default value is false		
timeout	timeout period of collaboration program		
	For assignable value, please refer to "5.2.3 Timeout of collaboration program".		

If a collaboration program is executed in verbose mode, standard output and standard error output of the collaboration program is output to a special log file. Other outputs of collaboration program which executed in non-verbose mode are output to system log as well as log of DR command. For the log of collaborate program, refer to the following "5.2.10 Output of collaboration program".

Configuration file of collaboration program is not indispensable. If configuration file does not exist, hot plug collaboration function executes collaboration programs by using the default value.

Note:

- > Blank line and the line that starts by # in the configuration file is ignored.
- > You can use Japanese after #, but in this case character code of Japanese must use UTF-8 form.
- > Write one setting item by one line.
- > You can insert the blank before or after the setting item, blank and the setting value.

An example of a configuration file is shown below.

e.g. When collaboration program named nn-FJSVxxxx-get-info executes in verbose mode and timeout period is 10 minutes.

FJSVxxx-get-cpu-info

verbose = true timeout = 10

5.2.7 Permission required for collaboration program

P command is executed with the root permission. And because hot plug collaboration function is executed as one function of the DR command, the collaboration programs must be assigned the execution attribute of the root permission. Collaboration programs without the execution attribute of the root permission are not executed.

5.2.8 Argument passed to collaboration program

When executing a collaboration program, hot plug collaboration function passed hot plug event timing to the collaboration program as option. Result of hot plug and hot added/removed resources are passed to the collaboration program as option, when the collaboration program is executed at the addition/deletion of SB/IOU failure time.

The list of the arguments passed to a collaboration program is shown below.

Options	Arguments	Meaning		
	hot plugged device	Specifies the hot plugged device.		
р	SBx	"x" and "y" are set to either -1 or 0-3.		
	IOUy			
	hot plug eventl timing	Specifies the hot plug event timing.		
е	ADD_PRE	ADD_PRE : before dynamic addition		
	ADD_POST	ADD_POST : after dynamic addition		
	RM_PRE	RM_PRE: before dynamic deletion		
	RM_POST	RM_POST : after dynamic deletion		
	result of hot plug	Specifies the result of hot plug		
r	SUCCESS	When the hot plug event timing is only ADD_POST or		
	FAILURE	RM_POST, this option is specified.		
	none	Specifies the verbose mode.		
V		Collaboration program can use it for trigger of debug messages.		
	CPU number	Specifies the hot added/removed CPU number list from now.		
С		When hot plugged device is SBx and hot plug event timing is ADD_PRE or RM_PRE, this option is specified.		
		Example of specified CPU number list is shown below. The CPU number list is a list delimited by the comma. When this list is delimited by the hyphen, it means all ranges of the first and last number are included. None means there is no CPU.		
		1-10		
		2,3		
		1-10,12-19		
		None		
	amount of memory	Specifies the hot added/removed amount of memory from now.		
m		When hot plugged device is SBx and hot plug event timing is ADD_PRE or RM_PRE, this option is specified.		
		Unit of amount of memory is kilo byte.		
		Example of specified amount of memory is shown below.		
		8388608		

Options	Arguments	Meaning
n	NUMA Node number	Specifies the hot added/removed NUMA node number list from now.
		When hot plugged device is SBx and hot plug event timing is ADD_PRE or RM_PRE, this option is specified.
		Example of specified NUMA node number list is shown below. The NUMA node number list is a list delimited by the comma. When this list is delimited by the hyphen, it means all ranges of the first and last number are included. None means there is no NUMA node.
		2,3
		4
		5-7
		None
d	PCI address	Specifies the "bus number: device number: function number (PCI address)" of hot removed PCI device except for PCI bridge from now.
		When hot plugged device is IOUx and hot plug event timing is RM_PRE, this option is specified.
		Example of specified PCI address is shown below. 01:23.4
		01:23.4,56:78:9,ab:cd.e
		Refer to the output of the lspci command for the example of the PCI address. $_{\circ}$

Example of specified options by the hot plug collaboration function is shown below. /path/to/program1 -p SB1 -e ADD_PRE -c 10-19 -m 12345678 -n 2-3

/path/to/program1 -p SB1 -e ADD_PRE -c 10-19 -m 12345678 -n 2 /path/to/program2 -e ADD_POST -r SUCCESS -p SB2 /path/to/program3 -v -p IOU1 -e RM_PRE -d 00:01.2,03:04.5 /path/to/program4 -e RM_POST -v -p IOU2 -r FAILURE

5.2.9 Exit status of collaboration program

When collaboration program terminates normally and DR function can be continued, the collaboration program must return 0. When collaboration program terminates abnormally and DR function cannot be continued, the collaboration program must return non 0.

Hot plug collaboration function checks the return value of the collaboration program. If return value is not 0, hot plug collaboration function stops at the time.

5.2.10 Output of collaboration program

Standard output (stdout) and standard error output (stderr) from collaboration program output to system log. But, when collaboration program executes in verbose mode, stdout and stderr output to a file in the following directory. In this case file name becomes "collaboration program name.log". And the output does not output to system log.

/opt/FJSVdr-util/var/log

Form of the outputs is as follows:

<time> : dr-util : <collaboration program name> : <INFO | ERR> : <output of collaboration program>

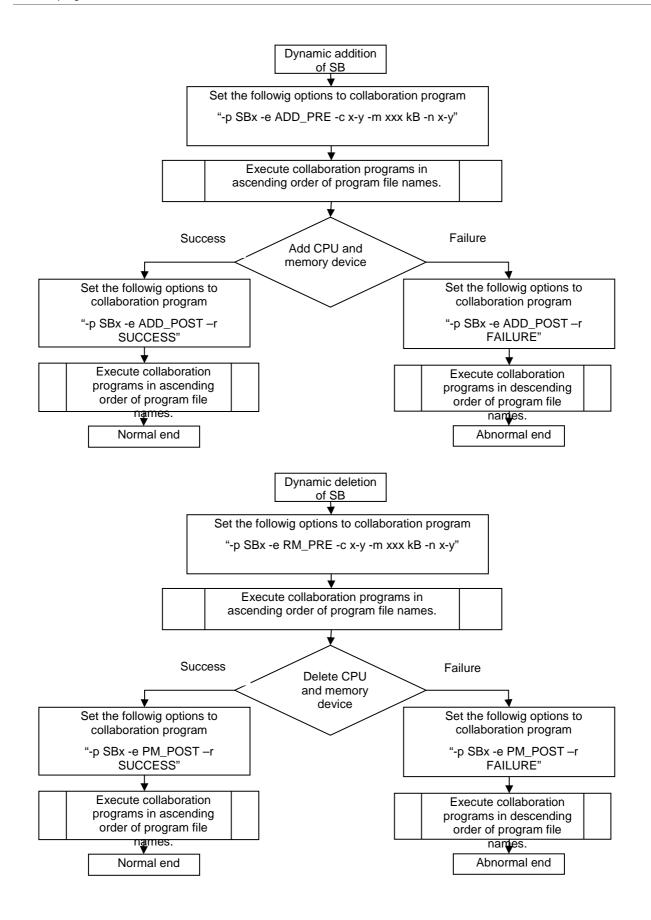
Example of output is shown below.

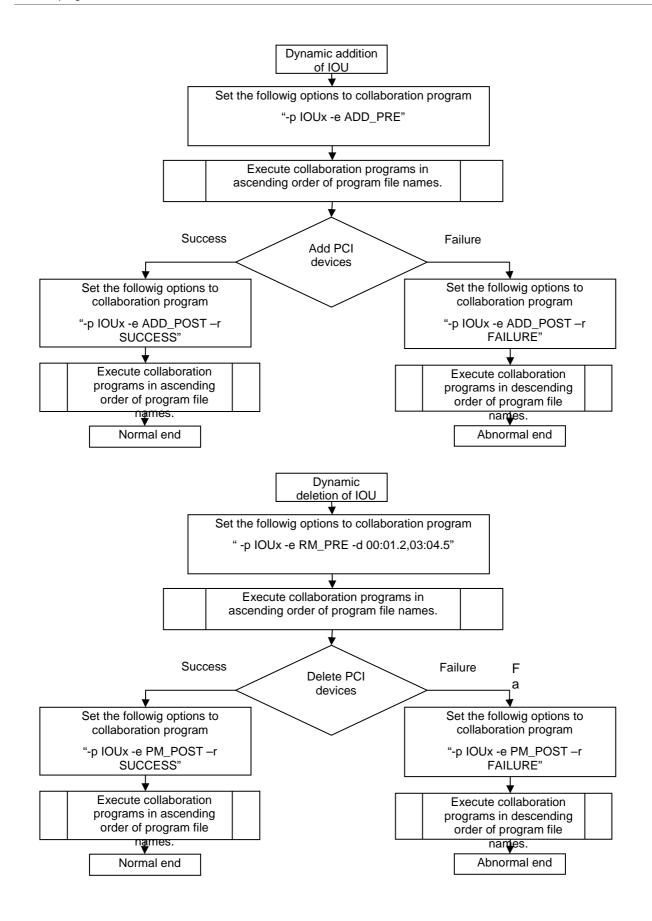
e.g. When standard error output and standard output of 10-FJSVxxx-get-cup-info output to system log

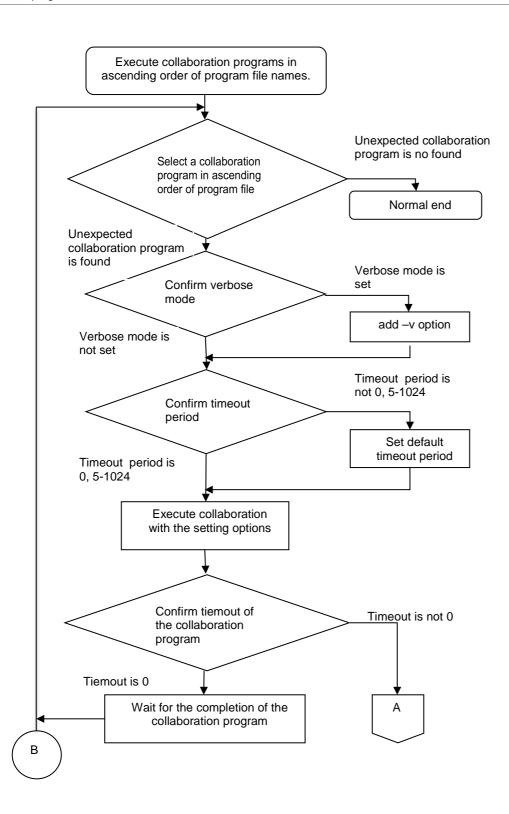
Jul 12 22:05:00 dr-util : 10-FJSVxxx-get-cpu-info : ERR : Invalid Option

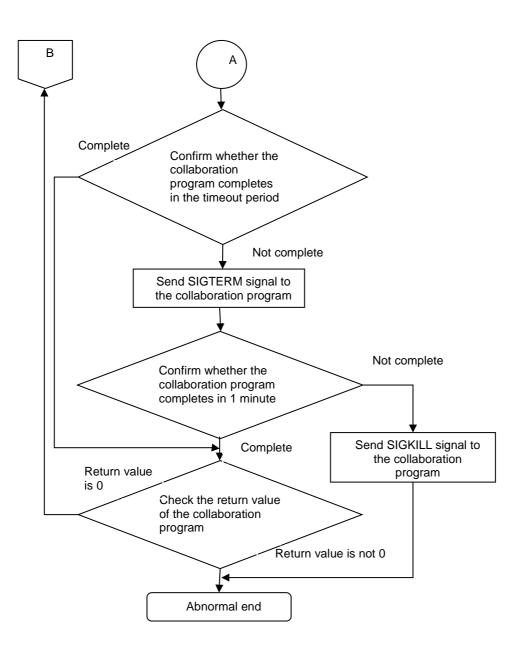
Jul 12 22:06:00 dr-util : 15-FJSVxxx-get-mem-info : INFO : Good news, memory will be added 1 YB :)

5.2.11 Flow of collaboration program execution









CHAPTER 6 Setting of sadump environment

In this chapter, how to configure sadump is explained.

A configuration of sadump is saved to UEFI configuration information. Back up it to restore the configuration. About backing up and restoring UEFI configuration information, refer "8.1.1 Backing up and restoring UEFI configuration information" in "PRIMEQUEST 2000 Series Administration Manual".

6.1 Sadump Configuration Menu

To configure sadump, select main menu to set up sadump from the [Device Manager] menu. Configure sadump by inputting values in the main menu and submenu which is shown below. The structure of menu is as follows.

When the "PCI ROM Priority" setting of the PCI Subsystem Configuration menu is "EFI Compatible ROM", the Sadump setting menu is displayed.

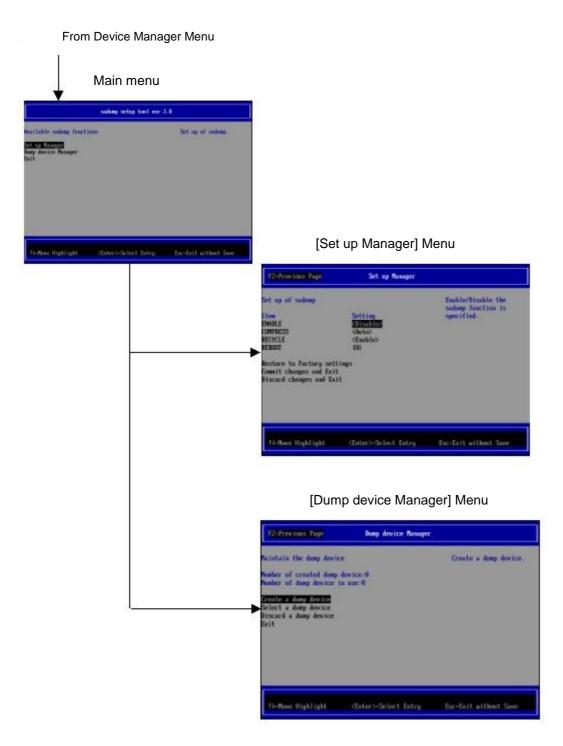


FIGURE 6.1 Structure of menu for sadump configuration (1)

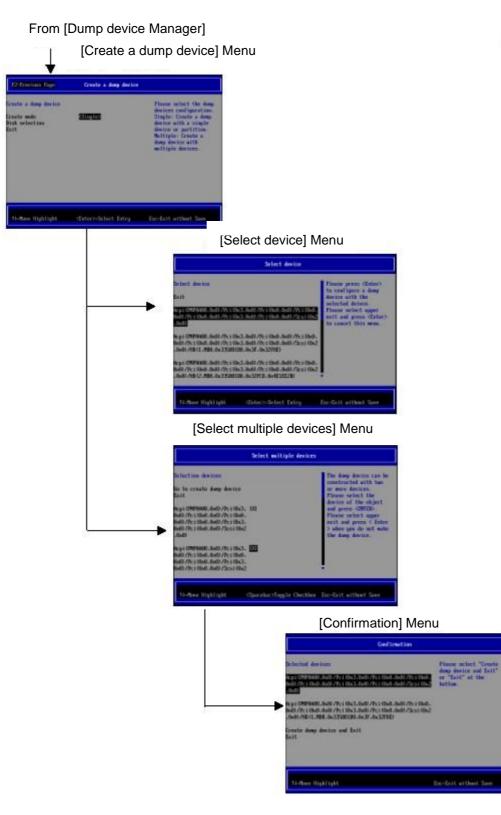


FIGURE 6.2 Structure of menu for sadump configuration (2)

From [Dump device Manager]

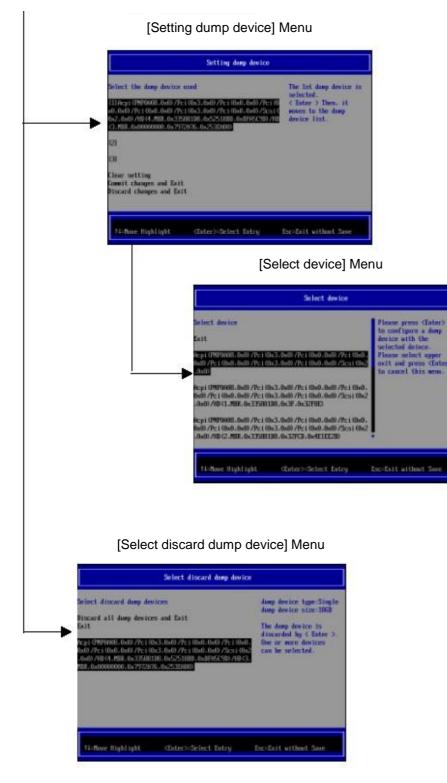


FIGURE 6.3 Structure of menu for sadump configuration (3)

6.1.1 Screen areas

The sadump configuration screen consists of four screen areas as shown below.

(1) Title	
② Menu selection area XXXXXXX YYYYYYY ZZZZZZZ	3 Help display area for menu selection
④Help display area for operations	

No.	Item	Description
1	Title	Displays title of menu.
2	Menu selection area	Displays menu to operate. They can be operated by [Enter] key, etc. Selected item is highlighted.
3	Help display area for menu selection	Displays the detailed explanation about menu selected in menu selection area.
4	Help display area for operations	Displays help information to operate screen.

FIGURE 6.4 Screen areas of sadump configuration

6.2 Main menu

In the [Device Manager] menu, select [Sadump Configuration], and then a main menu is displayed. You can set up sadump or dump device in this menu.

	sadump setup tool ver.1.0	
Available sadump functions Set up Manager Dump device Manager Exit		Set up of sadump.
†↓=Move Highlight •	<enter>=Select Entry</enter>	Esc=Exit without Save

FIGURE 6.5 Main menu

TABLE 6.1 Displayed contents of the menu selection area

Item	Description	
Set up Manager	Go to sadump setup menu.	
Dump device Manager	Go to dump device maintenance menu.	
Exit	Exit this menu	

TABLE 6.2 Displayed contents of the help display area for operation

Item	Description
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Moves the cursor up or down
<enter>=Select Entry</enter>	Selects an entry.

Note

6.3 [Set up Manager] Menu

Select the [Set up Manager] menu from the main menu and then sadump setup menu is displayed.

In this menu, items for sadump configuration are listed. The items are displayed as follows in initial state where sadump

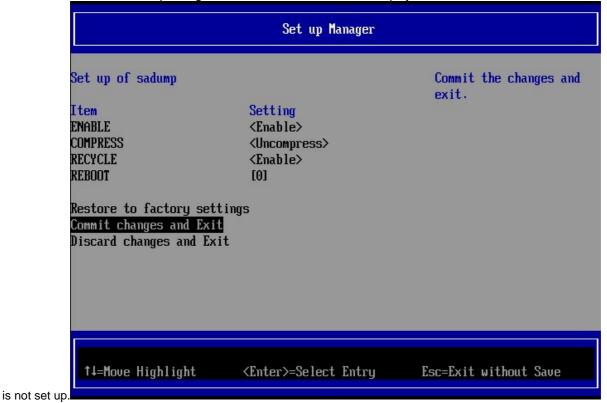


FIGURE 6.6 sadump setup menu

Item	Description	
sadump	Specifies [Enable] or [Disable] for sadump function.	
	- Enable : Enable sadump	
	- Disable : Disable sadump	
	The default is [Disable].	
	Specifies format when sadump writes to dump	
COMPRESS	device.	
	- Uncompress: Data is not compressed	
	Specifies [Enable] or [Disable] for dump device	
	reuse. When [Enable] is specified, the oldest dump	
RECYCLE	is overwritten.	
RECICLE	 Enable RECYCLE option 	
	 Disable : Disable RECYCLE option 	
	The default is [Enable].	
	Specifies behavior of sadump after dumping	
REBOOT	- 0:Halt	
REBOOT	 1-3600: Reboots after specified time(second) 	
	The default is [0].	
SKIPZEROPAGE	Specifies [Enable] or [Disable] for Skip Zero Page	
	function.	
[This item can be available	- Enable: Enable	
in the PRIMEQUEST	- Disable : Disable	

TABLE 6.3 Displayed contents of the menu selection area

2400E3/2800E3/2800B3]	The default is [Disable].	
TIMEOUT	Specifies time to interrupt the collection of the	
	sadump.	
[This item can be available	- 0 : No interruption	
in the PRIMEQUEST	- 1-255 : Timeout period (The unit is hour).	
2400E3/2800E3/2800B3]	The default is [0].	
Restore to factory settings	Sets all items to default.	
	Saves the changes and exits this menu.	
	Attention	
Commit Changes and Exit	It is necessary to come off the menu by "Commit	
	Changes and Exit" when the setting is changed.	
	Do not come off the menu by "Esc".	
Discard Changes and Exit Cancels the changes and exits this menu.		

TABLE 6.4 Displayed contents of the help display area for operation

Item	Description	
1↓=Move Highlight	Moves the cursor up or down	
<enter>=Select Entry</enter>	Selects an entry. In the case of ENABLE, COMPRESS, RECYCLE, selection item is shown as pop-up window. In the case of REBOOT, you can input a value. Specify a value, and commit it by [Enter] key.	

Note

6.4 [Dump device Manager] Menu

This is displayed when the [Dump device Manager] menu is selected in the main menu. In this menu, you can create, setup, discard dump device.

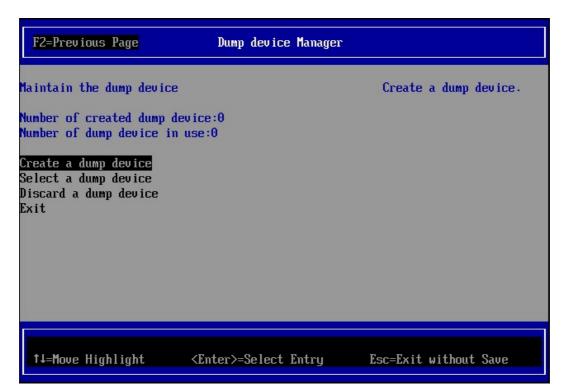


FIGURE 6.7 Dump device maintenance menu

Item	Description	
Display area	Displays the number of dump devices which are already created, and displays the number of dump devices which are already set up.	
Create a dump device	Go to dump device create menu.	
Select a dump device	Go to dump device setup menu.	
Discard a dump device	Go to dump device discard menu.	
Exit	Exits this menu	

TABLE 6.5 Displayed contents of menu selection area

TABLE 6.6 Displayed contents of the help display area for operation

Item	Description
1 tighlight	Moves the cursor up or down
<enter>=Select Entry</enter>	Selects an entry.

Note

6.5 [Create a dump device] Menu

This is displayed when the [Create a dump device] menu is selected in the main menu. Specify operation, creating dump device or selecting created dump device.

F2=Previous Page	Create a dump device	
Create a dump device Create mode Disk selection Exit	<mark>∢Single></mark>	Please select the dump devices configuration. Single: Create a dump device with a single device or partition. Multiple: Create a dump device with multiple devices.
†↓=Move Highlight	<enter≻=select entry<="" td=""><td>Esc=Exit without Save</td></enter≻=select>	Esc=Exit without Save

FIGURE 6.8 Dump device create menu

Item	Description	
Create mode	Select create mode of dump device.	
	Single: Create with single disk or single partition. To	
	set up for redundancy, select [Single] and then	
	configure multiple sadump devices.	
	Multiple: Create with multiple disks. Use this when	
	system memory is large and one disk is insufficient.	
	The default is [Single].	
Disk selection	Go to dump device select menu	
Exit	Exits this menu.	

TABLE 6.8 Displayed	contents of the help	display area	for operation

Item	Description
1↓=Move Highlight	Moves the cursor up or down
<enter>=Select Entry</enter>	Selects an entry.

Note

6.6 [Select device] Menu

This is displayed when the [Create mode] menu is set to [Single] in the [Create a dump device] menu. Select disk or disk partition and create dump device.



(Data corruption) Confirm again if correct disk is selected when selecting dump device. If wrong disk is selected, the data the disk has is corrupted.

Select device		
Select device Exit Acpi (PNP0A08,0x0) /Pci (0x3,0x0) /Pci (0x0,0x0) /Pci (0x0, 0x0) /Pci (0x0,0x0) /Pci (0x3,0x0) /Pci (0x0,0x0) /Scsi (0x2, 0x0) Acpi (PNP0A08,0x0) /Pci (0x3,0x0) /Pci (0x0,0x0) /Pci (0x0, 0x0) /Pci (0x0,0x0) /Pci (0x3,0x0) /Pci (0x0,0x0) /Scsi (0x2, 0x0) /HD (1,MBR,0x335881D8,0x3F,0x32F8E) Acpi (PNP0A08,0x0) /Pci (0x3,0x0) /Pci (0x0,0x0) /Pci (0x0, 0x0) /Pci (0x0,0x0) /Pci (0x3,0x0) /Pci (0x0,0x0) /Scsi (0x2,0x0) /Pci (0x0,0x0) /Pci (0x0,0x0) /Pci (0x0,0x0) /Pci (0x0,0x0) /Pci (0x0,0x0) /Pci (0x2,0x0) /Pci (Please press <enter> to configure a dump device with the selected deivce. Please select upper exit and press <enter> to cancel this menu.</enter></enter>	
,0x0)/HD(2,MBR,0x335881D8,0x32FCD,0x4E1EE2B)		
†↓=Move Highlight <enter>=Select Entry</enter>	Esc=Exit without Save	

FIGURE 6.9 Dump device select menu

TABLE 6.9 Displayed contents of menu selection area

Item	Description
Exit	Exits this menu
ACPI name of disk/disk partition	Select disk or disk partition to create dump device

Remarks

-Regarding to ACPI name which is used for disk or disk partition, refer"<u>5.7 Device Path".</u>

-To use devices of ETERNUS as dump device, setting up UEFI deriver is needed beforehand. Refer "PRIMEQUEST 2000 Series SAN Boot Environment Configuration Manual (C122-E206EN)" for details.

Item	Description	
↑↓=Move Highlight	Moves the cursor up or down	
<enter>= Select Entry</enter>	Create dump device with selected disk or disk partition, and go to dump device create menu. If [Exit] is selected, go to dump device create menu without creating dump device.	

TABLE 6.10 Displayed contents of the help display area for operation

Note

[Esc] key is displayed on the screen but don't operate it.A dump device is initialized when it is created. It takes a time to initialize, depends on the size of selected disk or disk partition. In some cases it takes more than several minutes until going to the next screen.

6.7 [Setting dump device] Menu

This is displayed when the [Select a dump device] menu is selected in the [Dump device Manager] menu. Select dump device for use from created dump device.

Setting dump device			
Select the dump device used [1]Acpi(PNP0A08,0x0)/Pci(0x3,0x0)/Pci(0x0,0x0)/Pci(0 x0,0x0)/Pci(0x0,0x0)/Pci(0x3,0x0)/Pci(0x0,0x0)/Scsi(0x2,0x0)/HD(4,MBR,0x335881D8,0x52518BD,0xBFA5C9D)/HD (3,MBR,0x00000000,0x7972A76,0x253EA80)	The 1st dump device is selected. < Enter > Then, it moves to the dump device list.		
[2]			
[3]			
Clear setting Commit changes and Exit Discard changes and Exit			
14=Move Highlight <enter>=Select Entry 1</enter>	Esc=Exit without Save		

FIGURE 6.10 [Setting dump device] Menu

Item	Description
The 1st dump device	Select the 1st dump device. If not selected yet, only
	[1] is displayed.
The 2nd dump device	Select the 2nd dump device. If not selected yet, only
	[2] is displayed.
The 3rd dump device	Select the 3rd dump device. If not selected yet, only
	[3] is displayed.
Clear setting	Clears all the current setting.
Commit Changes and Exit	Saves the changes and exits this menu.
	Attention
	It is necessary to come off the menu by "Commit
	Changes and Exit" when the setting is changed.
	Do not come off the menu by "Esc".
Discard Changes and Exit	Cancels the changes and exits this menu.

TABLE 6.11 Displayed contents of the menu selection area

Item	Description	
1 tighlight	Move the cursor up or down.	
<enter>= Select Entry</enter>	If [1], [2] or [3] is selected, move to [Select device]. Otherwise, perform processing corresponding to the selected item.	

TABLE 6.12 Displayed contents of the help display area for operation

Note

- Don't operate [F2] key. [Esc] key is displayed on the screen but don't operate it.

- If [Commit Changes and Exit] is performed, all the selected devices, including the devices that has already been selected previously, is being checked. If there's a selected device that is actually not present, the device selection is automatically cleared.

"Clear setting" There are the following points of concern about the behavior when operating it.

- With the second dump device or the third dump device has selected it, and

- When you do "Clear setting" two times or more after it boots up a system

After it executes it "Clear setting", the selection of the dump device might not be cleared and remain as it is. It becomes impossible to operate change of the selection of the dump device and "Clear setting" at the following.

In this case, please let me reboot a system operating "Reset" or "PowerCycle" from WebUI of MMB.

In the dump device setting menu after reactivation, it enters the state that the selection is cleared. And, it comes to be able to operate the dump device selection.

6.8 [Select device] Menu

This is displayed when [1], [2] or [3] is set in the [Setting dump device] menu. Dump devices on the current system is listed. Select a dump device from a list. In case of multiple disk configurations, select the 1st dump disk.

Select device		
Select device Exit Acpi (PNP0A08,0x0) /Pci (0x3,0x0) /Pci (0x0,0x0) /Pci (0x0,0x0) /Pci (0x0,0x0) /Pci (0x0,0x0) /Pci (0x2,0x0) Acpi (PNP0A08,0x0) /Pci (0x3,0x0) /Pci (0x0,0x0) /Scsi (0x2,0x0) Acpi (PNP0A08,0x0) /Pci (0x3,0x0) /Pci (0x0,0x0) /Pci (0x0,0x0) /Pci (0x0,0x0) /Pci (0x2,0x0) /Pci (0x3,0x0) /Pci (0x0,0x0) /Scsi (0x2,0x0) /HD (1,MBR,0x335881D8,0x3F,0x32F8E) Acpi (PNP0A08,0x0) /Pci (0x3,0x0) /Pci (0x0,0x0) /Pci (0x0,0x0) /Pci (0x2,0x0) /Pci (0x3,0x0) /Pci (0x0,0x0) /Pci (0x2,0x0) /Pci (0x0,0x0) /P	Please press <enter> to configure a dump device with the selected deivce. Please select upper exit and press <enter> to cancel this menu.</enter></enter>	
†↓=Move Highlight <enter>=Select Entry]</enter>	Esc=Exit without Save	



Item	Description
ACPI name of dump	ACPI name of disk/partition is displayed.
device	Selected dump device is highlighted.

TABLE 6.14 Displayed contents of the help display area for operation

Item	Description
1 ↓=Move Highlight	Move the cursor up or down.
<enter>= Select Entry</enter>	Select the dump device on the cursor, and return back to [Setting dump device] menu.

Note

[Esc] key is displayed on the screen but don't operate it.

6.9 [Select discard dump device] Menu

This is displayed when the [Discard a dump device] is selected in the [Dump device Manager] menu. Discard unnecessary dump device. To discard dump device, select the dump device in the following menu. In case of multiple disk configuration, select the 1st dump device. Then all the remaining dump devices are automatically discarded.

Select discard dump device		
0x0)/Pci(0x0,0x0)/Pci(0x3	and Exit 3,0x0)/Pci(0x0,0x0)/Pci(0x0 3,0x0)/Pci(0x0,0x0)/Scsi(0x2 8,0x52518BD_0xBFA5C9D)/HD(3	can be selected.
†↓=Move Highlight	<enter>=Select Entry</enter>	Esc=Exit without Save

FIGURE 6.12 [Select discard dump device] Menu

Item	Description
Discard all dump device and Exit	Discards all the dump devices, and then exits this menu.
Exit	Exits this menu without discarding any dump device selected.
ACPI name of dump device	Select a dump device.

Item	Description
↑↓=Move Highlight	Move the cursor up or down.
<enter>= Select Entry</enter>	If some dump device is selected, discard the selected dump device. Otherwise, perform the selected entry.

Note

6.10 [Select multiple devices] Menu

This is displayed when [Create mode] is set to [Single] in the [Create a dump device] menu. Select multiple disks for dump devices.

	Select multiple devices	
Selection devices Go to create dump device Exit Acpi (PNP0A08,0x0) /Pci (0x3, 0x0) /Pci (0x0,0x0) /Pci (0x0, 0x0) /Pci (0x0,0x0) /Pci (0x3, 0x0) /Pci (0x0,0x0) /Scsi (0x2 ,0x0)	[X]	The dump device can be constructed with two or more devices. Please select the device of the object and press <enter>. Please select upper exit and press < Enter > when you do not make the dump device.</enter>
Acpi (PNP0A08,0x0)/Pci (0x3, 0x0)/Pci (0x0,0x0)/Pci (0x0, 0x0)/Pci (0x0,0x0)/Pci (0x3, 0x0)/Pci (0x0,0x0)/Scsi (0x2		•
†↓=Move Highlight -	<spacebar>Toggle Checkbox</spacebar>	Esc=Exit without Save

FIGURE 6.13 [Select discard dump device] Menu [Select multiple devices] Menu

Item	Description
Go to create dump device	Go to [Confirmation] menu.
Exit	Exits this menu without actually creating any dump
	device.
ACPI name of dump	ACPI name of the dump device disk is displayed.
device	Select a dump device by [Space] key, then [] on the right-hand of the entry is changed to [X].

TABLE 6.17 Displayed contents of menu selection area

Remarks

. Regarding to ACPI name which is used for disk or disk partition, refer "5.7 Device Path".

TABLE 6.18 Displayed of	contents of the hel	p display area	for operation

Item	Description
1↓=Move Highlight	Move the cursor up or down.
<spacebar>= Toggle checkbox</spacebar>	Select a disk. Selected disk is marked with [X]. Operating [Space] key once more, the selection is canceled.

Note

[Esc] key is displayed on screen but don't operate it.

[Confirmation] Menu This is displayed when the [Go to create dump device] is selected in the [Select multiple devices] menu Confirm multiple disks selected for dump devices.

Confirmation	
Selected devices Acpi (PNP0A08,0x0) /Pci (0x3,0x0) /Pci (0x0,0x0) /Pci (0x0, 0x0) /Pci (0x0,0x0) /Pci (0x3,0x0) /Pci (0x0,0x0) /Scsi (0x2, 0x0) Acpi (PNP0A08,0x0) /Pci (0x3,0x0) /Pci (0x0,0x0) /Pci (0x0, 0x0) /Pci (0x0,0x0) /Pci (0x3,0x0) /Pci (0x0,0x0) /Scsi (0x2, 0x0) /HD (1,MBR,0x335881D8,0x3F,0x32F8E) Create dump device and Exit Exit	Please select "Create dump device and Exit" or "Exit" at the bottom.
†↓=Move Highlight	Esc=Exit without Save

FIGURE 6.14 [Confirmation] Menu

Item	Description
Create dump device and	Saves the dump device configuration and exits this
Exit	menu.
Exit	Exits this menu without saving any dump device
	configuration.
Display area	ACPI name of the disks selected in the [Select
	multiple devices] menu.

TABLE 6.19 Displayed contents of menu selection area

TABLE 6.20 Displayed contents of the help display area for operation

Item	Description
↑↓=Move Highlight	Move the cursor up or down.
<enter>= Select Entry</enter>	Select an entry and perform the corresponding processing.

Note

[Esc] key is displayed on screen but don't operate it.

Appendix A List of Setting Items

The initial values of setting items and values that can be set are listed.

A.1 Setting Items of MMB Web-UI

Initial value and value that can be set of setting items of MMB Web-UI are listed on each window.

Setting items of [System Event Log Filtering Condition] Window A.1.1 A.1.2 Setting Item of [Operation Log Filtering Condition] Window Setting Item of [Partition Event Log Filtering Condition] Window A.1.3 Setting Items of [System Information] Window A.1.4 Setting items of [System Setup] Window A.1.5 Setting items of [System Power Control] Window A.1.6 Setting items of [Power Control] Window A.1.7 Setting Items of [Schedule Control] Window A.1.8 Setting Items of [Add Schedule]/ [Edit User] Window A.1.9 A.1.10 Setting Items of [IPv4 Console Redirection Setup] Window A.1.11 Setting Items of [IPv6 Console Redirection Setup] Window A.1.12 Setting Items of [Partition Configuration] Window Setting Items of [Power Management Setup] Window A.1.13 Setting Items of [ASR Control] Window A.1.14 A.1.15 Setting Items of [Console Redirection] Window Setting Items of [Mode] Window A.1.16 Setting Items of [Add User]/ [Edit User] Window A.1.17 A.1.18 Setting Items of [Change Password] Window A.1.19 Setting Items of [Direcotory Service Configuration] Window Setting Items of [Date/Time] Window A.1.20 A.1.21 Setting Items of [IPv4 Interface] Window Setting Items of [IPv6 Interface] Window A.1.22 A.1.23 Setting Items of [Management LAN Port Configuration] Window A.1.24 Setting Items of [Network Protocols] Window Setting Items of [Refresh Rate] Window A.1.25 Setting Items of [SNMP Community] Window A.1.26 A.1.27 Setting Items of [SNMP Trap] Window Setting Items of [SNMP v3 Configuration] Window A.1.28 Setting Items of [Create CSR] Window A.1.29 Setting Items of [Create Selfsigned Certificate] Window A.1.30 Setting Items of [Edit User] Window A.1.31 A.1.32 Setting Items of [Add Filter] / [Edit Filter] Window Setting Items of [Alarm E-Mail] Window A.1.33 A.1.34 Setting Items of [Alarm E-Mail Filtering Condition] Window

A.1.1 Setting items of [System Event Log Filtering Condition] Window

The following table lists the initial value and value that can be set for setting items of [Operation Log Filtering Condition] Window.

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Setting item of	ESvetom E	vent Loa Filt	oring Conditic	n1Window
Setting item of		veni Log i ni		

Setting Items	Initial Value	Value that can be set	Remarks
Severity	All ON	 Error Warning Info Monitor (Multiple selection is possible) 	Monitor is displayed only when logged in by CE privilege.
Partition	Except Partition Operator : All In case of Partition Operator: Specified. (Select partition targeted for management)	 All Specified 	All and Specified can be switched, and the data selected by the check boxes in Specified is maintained.
Unit	All	 All Specified 	All and Specified can be switched, and the data selected by the check boxes in Specified is maintained.
Source	All	 All Specified 	All and Specified can be switched, and the data selected by the check boxes in Specified is maintained.
Sort by Date/Time	New event first	New event first Old event first	
Start Date/Time	First event	 First event Specified Time 	When Specified Time is selected, Start Time can be entered. First event and Specified Time can be switched, and the time data of Specified Time is maintained.
End Date/Time	Last event	 Last event Specified Time 	When Specified Time is selected, End Time can be entered. Last event and Specified Time can be switched, and the time data of Specified Time is maintained.
Number of events to display	100 events	0 or more, integer less than or equal to the denominator in the fraction displayed (Maximum 3000 events).	The denominator of fraction which is displayed is the total number of registered events.

A.1.2 Setting Item of [Operation Log Filtering Condition] Window

The following table lists the initial value and the value that can be set for setting items of [Operation Log Filtering Condition] Window.

Setting Items	Initial Value	Value that can be set	Remarks
Operation	All	 All Specified 	All and Specified can be switched, and the data selected by the check boxes in Specified is maintained.
Sort by Date/Time	New event first	New event first Old event first	
Start Date/Time	First event	 First event Specified Time 	When Specified Time is selected, Start Time can be entered. Switch First event and Specified time and maintain Time Data of Specified Time.
End Date/Time	Last event	 Last event Specified Time 	When Specified Time is selected, End Time can be entered. Switch Last event and Specified time and maintain Time Data of Specified Time side.
Number of events to display	100 events	0 or more, integer less than or equal to the denominator in the fraction displayed (Maximum 1000 events).	The denominator of fraction which is displayed is a total number of registered events.

TADIE A 0 2 Sotting	Itoma of Conorod	tion Log Eiltoring C	andition1 Window
TABLE A.0.2 Setting	i items of [Operat	LION LOY FILLERING OF	

A.1.3 Setting Item of [Partition Event Log Filtering Condition] Window

The following table lists the initial value and the value that can be set for setting items of [Partition Event Log Filtering Condition] Window.

TABLE A.0.3 Setting Items of [Partition Event Log Filtering Condition] Window

Setting Items	Initial Value	Value that can be set	Remarks
Partition	 Except Partition Operator : All In case of Partition Operator: Specified. (Select partition targeted for management) 	 All Specified 	All and Specified can be switched, and the data selected by the check boxes in Specified is maintained.
Number of events to display	100 events	0 or more, integer less than or equal to the denominator in the fraction displayed (Maximum 1000 events).	The denominator of fraction which is displayed is a total number of registered events.

A.1.4 Setting Items of [System Information] Window

The following table lists the initial value and the value that can be set for setting items of [System Information] Window.

Setting items	Initial value	Value that can be set	Remarks
System Name	"PRIMEQUEST" + Product Serial Number	Maximum 64 characters can be entered [0-9], [a-z], [A-Z],! " # \$ % & ' () = - ^ ~ ¥ @ ´[] { } : ; * + ? <> . / _	It is also used as System Name of SNMP
Asset Tag	None	Maximum 32 characters can be entered (Only administrator privilege)	

TABLE A.0.4 Setting Items of [System Information] Window

A.1.5 Setting items of [System Setup] Window

The following table lists the initial value and the value that can be set of setting items of [System Setup] Window.

Setting Items	Initial Value	Value that can be set	Remarks
Power Feed Mode	Single	 Single Dual 	
Power Restoration Policy	Restore	Always off Always on Restore Schedule Sync	
Partition Power On Delay	0 Seconds	0 ~ 9999 Seconds	
Altitude	Altitude < 1000 m	 Altitude < 1000 m 1000 m <= Altitude < 1500 m 1500 m <= Altitude < 2000 m 2000 m <= Altitude 	Setting error for Altitude value can be ±100 m.
PSU Redundancy Mode	Non-Redundant (When Power Feed Mode is single)	Redundant Non-redundant	When Power Feed Mode is Dual, fix with Redundant
Reserved SB Force Power Off Wait	10 Minutes	0~99Minutes	
System Power Save Control	Disable	 Enable Disable 	Can be set only when PSU_P 200V is used
System Power Saving Threshold	8640W	3200W ~ 8640W	Grayed out when [System Power Save Control] is [Disable]

A.1.6 Setting items of [System Power Control] Window

The following table lists the initial value and the value that can be set for setting items of [System Power Control] Window.

Setting Items	Initial Value	Value that can be set	Remarks
System Power Control	None	 Power On all partition(s) Power Off all partition(s) (all partitions(s) will be automatically shutdown) Force Power Off 	

TABLE A.0.6 Setting Items of [Sy	stem Power Control] Window
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A.1.7 Setting items of [Power Control] Window

The following table lists the initial value and the value that can be set for the setting items of [Power Control] Window.

Setting items	Initial value	Value that can be set	Remarks
Power Control	None	 Power On Power Off Power Cycle Reset NMI Force Power Off sadump (Not Specified) 	When Power Status is only "Standby", "Power On" can be selected. When Power Status is only "On", the selections other than "Power On" are possible.
Force Power Off Delay	Off	Time (1~9Minutes) can be specified in case of ON	
Boot Selector	No Override	No Override Force boot into EFI Boot Manager Force PXE/iSCSI Force boot from DVD	

TABLE A.0.7 Setting Items of [Power Control] Window

A.1.8 Setting Items of [Schedule Control] Window

The following table lists the initial value and the value that can be set for the setting items of [Schedule Control] Window.

Setting items	Initial value	Value that can be set	Remarks
Schedule Control	Off	· On · Off	

A.1.9 Setting Items of [Add Schedule]/ [Edit User] Window

The following table lists the initial value and the value that can be set for the setting items of [Add Schedule]/ [Edit User] Window.

Setting items	Initial value	Value that can be set	Remarks
Partition	The partition defined with smallest number	0 - 11 Partition	The defined partition can be selected in the form of "# n: <i>the partition name</i> ".
Туре	Not selected	 Daily Weekly Monthly Special 	
Pattern	Weekly: Not selected Monthly: From 1 to 1 Special: Jan/1	 Weekly: Sun, Mon, Tue, Wed, Thu, Fri, Sat Monthly: 1~ 31 Special: Jan/1~Dec/31 	
Term	 Daily: From: Jan/1 To: Jan/1 Weekly: From: Jan To: Jan Monthly: From: Jan To: Jan 	 Daily: Jan/1~Dec/31 Weekly: Jan~ Dec Monthly: Jan~ Dec 	
On Time	Hour: 0 Min: 0	Hour: Specified as 24 hours Time : Specified in units of 10 minutes	
Off Time	Hour: 0 Min: 0	Hour: Specified as 24 hours Time : Specified in units of 10 minutes	

TABLE A.0.9 Setting Items of [Add Schedule]/ [Edit User] Window

A.1.10 Setting Items of [IPv4 Console Redirection Setup] Window

The following table lists the initial value and the value that can be set for the setting items of [IPv4 Console Redirection Setup] Window.

Setting items	Initial value	Value that can be set	Remarks
IP Address	0.0.0.0	0-255, 0-255, 0-255, 0-255	IP Address must be in the same network segment as the MMB virtual management IP address.
Subnet Mask	255.255.255.255	0-255, 0-255, 0-255, 0-255	
Video	Disable	Enable	
Redirection		Disable	
Virtual	Disable	• Enable	
Media		· Disable	

TABLE A.0.10 Setting Items of [IPv4 Console Redirection Setup] Window

A.1.11 Setting Items of [IPv6 Console Redirection Setup] Window

The following table lists the initial value and the value that can be set for the setting items of [IPv6 Console Redirection Setup] Window.

Setting items	Initial value	Setting value	Remarks
IP Address	None	0-FFFF, 0-FFFF, 0-FFFF, 0- FFFF, 0-FFFF, 0-FFFF, 0- FFFF, 0-FFFF	
Prefix Length	None	1~128	
Video Redirection	Disable	 Enable Disable 	
Virtual Media	Disable	 Enable Disable 	

TABLE A.0.11 Setting Items of [IPv6 Console Redirection Setup] Window

A.1.12 Setting Items of [Partition Configuration] Window

The following table lists the initial value and the value that can be set for the setting items of [Partition Configuration] Window.

TABLE A.0.12 Setting Items of [Partition Configuration] Window

Setting items	Initial value	Value that can be set	Remarks
Partition Name	None	Maximum 16 characters can be entered. Alphanumeric characters, single byte space, #, _,-	

A.1.13 Setting Items of [Power Management Setup] Window

The following table lists the initial value and the value that can be set for the setting items of [Power Management Setup] Window.

Setting items	Initial value	Setting value	Remarks
Power Save Control	Disable	 Enable Disable 	Grayed out when [System Power Save Control] of the [System Setup] Window is [Disable].
Power Save Grace Period	5 Minutes	0~99 Minutes	Grayed out when [Power Save Control] of the Partition is [Disable]
Action reaching Power Save	Partition Power Off	Continue Partition Power Off Partition Force Power Off	Grayed out when [Power Save Control] of the Partition is [Disable]

TABLE A.0.13 Setting Items of [Power Management Setup] Window

A.1.14 Setting Items of [ASR Control] Window

The following table lists the initial value and the value that can be set for the setting items of [ASR Control] Window.

Setting items	Initial value	Value that can be set	Remarks
ASR			
Number of Restart Tries	5 Times	1~10 Times 0: No retry	
Action after exceeding Restart tries	Stop rebooting and Power Off	 Stop rebooting and Power Off Stop rebooting Diagnostic Interrupt assert 	
Boot Watchdog			
Boot Watchdog	Disable	 Enable Disable 	
Timeout time(seconds)	6000s	1s~6000s	
Action when watchdog expires	Continue	Continue Reset Power Cycle	
Software Watch	idog		ł
Software Watchdog	Disable	 Enable Disable 	
Timeout time(seconds)	300s	1s~6000s	
Action when watchdog expires	Continue	Continue Reset Power Cycle NMI	

TABLE A.0.14 Setting Items of [ASR Control] Window

A.1.15 Setting Items of [Console Redirection] Window

The following table lists the initial value and the value that can be set for the setting items of [Console Redirection] Window.

Setting items	Initial value	Value that can be set	Remarks
Operation	None	Video Redirection	Can be selected only when [Video Redirection] is [Enable] on [Console Redirection Setup] Window.

TABLE A.0.15 Setting Items of [Console Redirection] Window

A.1.16 Setting Items of [Mode] Window

The following table lists the initial value and the value that can be set for the setting items of [Mode] Window.

Setting items	Initial value	Value that can be set	Remarks
Extended Partitioning Mode (setting)	Disable	 Enable Disable 	This item can be available in the PRIMEQUEST 2400E3/2800E3/2400E2/ 2800E2/2400E/2800E model
Memory Operation Mode (setting)	Normal Mode	 Performance Mode Normal Mode Partial Mirror Mode Full Mirror Mode Spare Mode Address Range Mirror Mode 	Address Range Mirror Mode : This item can be available in the PRIMEQUEST 2400E3/2800E3/
Memory Mirror RAS Mode (setting)	Mirror Keep Mode	Mirror Keep Mode Capacity Keep Mode	
PCI Address Mode (setting)	PCI Segment Mode	PCI Bus Mode PCI Segment Mode	
Dynamic Reconfiguration (setting)	Disable	 Enable Disable 	
On board LAN Mode (setting)	Enabled(WOL disabled)	 Enabled(WOL enabled) Enabled(WOL disabled) Disabled 	

TABLE A.0.16 Setting Items of [Mode] Window

A.1.17 Setting Items of [Add User]/ [Edit User] Window

The following table lists the initial value and the value that can be set for the setting items of [Add User]/ [Edit User] Window.

Setting items	Initial value	Value that can be set	Remarks
User Name	None	Minimum 3 and Maximum 32 characters can be entered. [0-9], [a-z], [A-Z], "-", "_". However, the first character must be [a-z] [A-Z].	
Password	None	More than 8 characters and less than 32 characters. [0-9], [a-z], [A-Z] Special characters: ! # \$ %& '() = - ^ ~ ¥ @ `[] { } : * ; + ? < . > , / _	
Confirm Password	None	More than 8 characters and less than 32 characters. [0-9], [a-z], [A-Z] Special characters: ! # \$ %& '() = - ^ ~ ¥ @ `[] { } : * ; + ? < . > , / _	
Privilege	In case of Add User: Admin In case of Edit User: current privilege	Admin Operator User CE Partition Operator	
Status	In case of Add User: Enabled In case of Edit User: current status.	Enabled Disabled	
Full Name	None	Maximum 32 characters can be entered.	
Operable Partition (for Partition Operator)	None	On: Operational Off: Non-operational	Grayed out if privilege is other than partition operator.

A.1.18 Setting Items of [Change Password] Window

The following table lists the initial value and the value that can be set for the setting items of [Change Password] Window.

Setting items	Initial value	Value that can be set	Remarks
Current Password	None	More than 8 characters and less than 32 characters. [0-9], [a-z], [A-Z] Special characters: ! # \$ %& '() = - ^ ~ ¥ @ `[] { } : * ; + ? < . > , / _	
Password	None	More than 8 characters and less than 32 characters. [0-9], [a-z], [A-Z] Special characters: ! # \$ %& '() = - ^ ~ ¥ @ `[] { } : * ; + ? < . > , / _	
Confirm New Password	None	More than 8 characters and less than 32 characters. [0-9], [a-z], [A-Z] Special characters: ! # \$ %& `() = - ^ ~ ¥ @ `[] { } : * ; + ? < . > , / _	

TABLE A.0.18 Setting Items of [Change Password] Window

A.1.19 Setting Items of [Direcotory Service Configuration] Window

The following table lists the initial value and the value that can be set for the setting items of [Direcotory Service Configuration] Window.

Setting items	Initial value	Value that can be set	Remarks
LDAP	Disable	• Enable	
	D : 11	Disable	
LDAP SSL	Disable	Enable Disable	
Directory Server	Active Directory	Active Directory	
Туре	richive Billeotory	Novell eDirectory	
		OpenLDAP	
<u> </u>		Open DS / Open DJ	
Primary LDAP Server	er None	The DNS name is assumed	1
LDAF Server	None	to be 64 characters or less.	
LDAP Port	389		
LDAP SSL Port	636		
Backup LDAP Serve	r		
LDAP Server	None	The DNS name is assumed	
		to be 64 characters or less.	
LDAP Port	389		
LDAP SSL Port	636		
Domain Name	None	The DNS name is assumed	When Directory Server
Domain Hame		to be 64 characters or less.	Type is Active Directory,
	News		this item can be input.
Base DN	None	The DN is assumed to be 127 characters or less.	When Directory Server Type is Active Directory,
			this item cannot be input.
Groups Directory	None	The setting is 64 characters	
· · ·		or less.	
as sub-tree from			
base DN			
User Search	None	The setting is 64 characters	When Directory Server
Context		or less.	Type is Active Directory,
			this item cannot be input.
LDAP Group	groupOfNames	The setting is 64 characters or less.	When Directory Server Type is Active Directory,
Scheme		011033.	this item cannot be input.
LDAP Member	member	The setting is 64 characters	When Directory Server
		or less.	Type is Active Directory,
Scheme			this item cannot be input.
LDAP Auth User	None	The setting is 64 characters	When Directory Server
Name		or less.Minimum 3 and Maximum 32 characters can	Type is Active Directory, this item can be input.
		be entered.	this terr can be input.
		[0-9], [a-z], [A-Z], "-", "_".	
		However, the first character must be [a-z] [A-Z].	
LDAP Auth	None	More than 8 characters and	
		less than 32 characters.	
Password		[0-9], [a-z], [A-Z]	
		Special characters: ! # \$ %&	
		$() = - ^ { } $	
Confirm Descurad	None	+ ? < . > , / _ More than 8 characters and	
Confirm Password		less than 32 characters.	

TABLE A.0.19 Setting Items of [Direcotory Service Configuration] Window

Setting items	Initial value	Value that can be set	Remarks
		[0-9], [a-z], [A-Z] Special characters: ! # \$ %& (() = - ^ ~ ¥ @ `[] { } : * ; + ? < . > , / _	
Principal User DN	None	The setting is 64 characters or less.	When Directory Server Type is Active Directory, this item cannot be input.
Append Base DN	Disable	Enable Disable	When Directory Server
to Principal User		Disable	Type is Active Directory, this item cannot be input.
DN			
Bind DN	None		This item is only a display.
Enhanced User	Disable	• Enable	When Directory Server
Login		• Disable	Type is Active Directory, this item cannot be input.
User Login Search	None	The setting is 64 characters	When Directory Server
Filter		or less.	Type is Active Directory, this item cannot be input.

A.1.20 Setting Items of [Date/Time] Window

The following table lists the initial value and the value that can be set for the setting items of [Date/Time] Window.

Setting Item	Initial Value	Value that can be set	Remarks
Date	Shows time on the clock of the server.	YYYY-MM-DD · YYYY: Year · MM: Month · DD: Day	It can be set only when NTP is Disabled.
Time	Shows time on the clock of the server.	 Modify the Time is On: Time is set Hour:Minute:Second:24 hours format Modify the Time is Off: Time is not set. 	It can be set only when NTP is Disabled.
Time Zone	None	Select from pull down menu.	
NTP	Disable	Enable Disable	
NTP Time Correction Mode	Step	 Step Slew 	It can be set only when NTP is Enabled.
NTP Server 1	None	In case of IPv4 0-255, 0-255, 0-255, 0-255 In case of IPv6 0-FFFF, 0-FFFF, 0-FFFF, 0-FFFF, 0-FFFF, 0-FFFF, 0-FFFF, 0-FFFF	It can be set only when NTP is Enabled.
NTP Server 2	None	In case of IPv4 0-255, 0-255, 0-255, 0-255 In case of IPv6 0-FFFF, 0-FFFF, 0-FFFF, 0-FFFF, 0-FFFF, 0-FFFF, 0-FFFF, 0-FFFF	It can be set only when NTP is Enabled.
NTP Server 3	None	In case of IPv4 0-255, 0-255, 0-255, 0-255 In case of IPv6 0-FFFF, 0-FFFF, 0-FFFF, 0-FFFF, 0-FFFF, 0-FFFF, 0-FFFF, 0-FFFF	It can be set only when NTP is Enabled.

A.1.21 Setting Items of [IPv4 Interface] Window

The following table lists the initial value and the value that can be set for the setting items of [IPv4 Interface] Window.

Main Item	Setting Item	Initial Value	Value that can be set	Remarks
Virtual IP	Hostname	"PRIMEQUEST"+Product	Sets hostname in FQDN	The first
Address		Serial Number	format.	character should
			[a-z],[A-Z],[0-9],[-]	be alphabetic
			(Hyphen),[.] (Dot)	character.
				• [-] (Hyphen), [.]
				(Dot) cannot be
				used as the first
	IP Address	None	0-255, 0-255, 0-255, 0-255	
	Subnet mask	None	0-255, 0-255, 0-255, 0-255	
	Gateway	None	0-255, 0-255, 0-255, 0-255	
	address			
MMB#0 IP	Interface	Disable	Enable	
Address			Disable	
	Hostname	None	Sets hostname in FQDN	 The First
	(Optional)		format. [a-z], [A-Z], [0-9], "-"	character should
			(Hyphen), "."(Dot)	be alphabetic
				character.
				• "-" (Hyphen), "."
				(Dot) cannot be
				used as the first
				character and the
			0.055.0.055.0.055.0.055	last character.
	IP Address	None	0-255, 0-255, 0-255, 0-255	
	Subnet Mask	None	0-255, 0-255, 0-255, 0-255	
	Gateway address	None	0-255, 0-255, 0-255, 0-255	
MMB#1 IP	Interface	Disable	Enable	
Address			Disable	
	Hostname	None	Sets hostname in FQDN	The First
	(Optional)		format. [a-z], [A-Z], [0-9], "-"	character should
			(Hyphen), "."(Dot)	be alphabetic
				character.
				• "-" (Hyphen), "."
				(Dot) cannot be
				used as the first
				character and the
	ID Address	Nene	0.255 0.255 0.255 0.255	last character.
	IP Address	None	0-255, 0-255, 0-255, 0-255	
	Subnet Mask	None	0-255, 0-255, 0-255, 0-255	
	Gateway address	None	0-255, 0-255, 0-255, 0-255	
DNS	DNS	Disable	• Enable	
(optional)			Disable	
	DNS Server 1	None	Sets the IP address of	
			primary DNS Server	
	DNS Server 2	None	Sets the IP address of	
			primary DNS Server	
	DNS Server 3	None	Sets the IP address of	
			primary DNS Server	
Management	Dualization	Disable	Enable	
LAN			Disable	

TABLE A.0.21 Setting Items of [IPv4 Interface] Window

Main Item	Setting Item	Initial Value	Value that can be set	Remarks
Maintenance	Interface	In case of	· Enable	Kontariko
IP Address	interface	PRIMEQUEST	• Disable	
		2400E3/2800E3/2800B3/		
		2400E2/2800E2/2800B2		
		Enable		
		In case of		
		PRIMEQUEST		
		2400E/2800E/2800B		
		Disable		
	IP Address	In case of	0-255, 0-255, 0-255, 0-255	
		PRIMEQUEST		
		2400E3/2800E3/2800B3/		
		2400E2/2800E2/2800B2		
		192.168.1.1		
		192.100.1.1		
		In case of		
		PRIMEQUEST		
		2400E/2800E/2800B		
		None	0.055.0.055.0.055.0.055	
	Subnet Mask	In case of	0-255, 0-255, 0-255, 0-255	
		PRIMEQUEST		
		2400E3/2800E3/2800B3/		
		2400E2/2800E2/2800B2		
		255.255.255.0		
		In case of		
		PRIMEQUEST		
		2400E/2800E/2800B		
		2400E/2800E/2800B		
	Gateway	None	0-255, 0-255, 0-255, 0-255	
	address		0 200, 0 200, 0-200, 0-200	
	SMTP address	None	0-255, 0-255, 0-255, 0-255	
Internal IP	Interface	Disable	· Enable	
Address			• Disable	
	IP Address	None	0-255, 0-255, 0-255, 0-255	
	Subnet Mask	None	0-255, 0-255, 0-255, 0-255	

A.1.22 Setting Items of [IPv6 Interface] Window

The following table lists the initial value and the value that can be set for the setting items of [IPv6 Interface] Window.

Main Item	Setting Item	Initial Value	Value that can be set	Remarks
Virtual IP Address	Hostname	"PRIMEQUEST"+ Product Serial Number	Sets hostname in FQDN format. [a-z], [A-Z], [0-9], "-" (Hyphen), "." (Dot)	 The first character must be alphabetic character. "-" (Hyphen), "." (Dot) cannot be used as the first character and the last character.
	IP Address	None	0-FFFF,0-FFFF, 0-FFFF, 0-FFFF, 0-FFFF, 0-FFFF, 0-FFFF, 0-FFFF	
	Prefix Length	None	1~128	
	Gateway address	None	0-FFFF,0-FFFF, 0-FFFF, 0-FFFF, 0-FFFF, 0-FFFF, 0-FFFF, 0-FFFF	
MMB#0 IP Address	Interface	Disable	•Enable •Disable	
	Hostname (optional)	None	Sets hostname in FQDN format. [a-z],[A-Z],[0-9], "-" (Hyphen), "." (Dot)	 First character must be alphabetic character. "-" (Hyphen), "." (Dot) cannot be used as the first character and the last character.
	IP Address	None	0-FFFF,0-FFFF, 0-FFFF, 0-FFFF, 0-FFFF, 0-FFFF, 0-FFFF, 0-FFFF	
	Prefix Length	None	1~128	
	Gateway address	None	0-FFFF,0-FFFF, 0-FFFF, 0-FFFF, 0-FFFF, 0-FFFF, 0-FFFF, 0-FFFF	
MMB#1 IP Address	Interface	Disable	 Enable Disable 	
	Hostname (optional)	None	Sets hostname in FQDN format. [a-z],[A-Z],[0-9], "-" (Hyphen), "." (Dot)	 First character must be alphabetic character. "-" (Hyphen), "." (Dot) cannot be used as the first character and the last character.
	IP Address	None	0-FFFF,0-FFFF, 0-FFFF, 0-FFFF, 0-FFFF, 0-FFFF, 0-FFFF, 0-FFFF	
	Prefix Length	None	1~128	
	Gateway address	None	0-FFFF,0-FFFF, 0-FFFF, 0-FFFF, 0-FFFF, 0-FFFF, 0-FFFF, 0-FFFF	
DNS (optional)	DNS	Disable	 Enable Disable 	
	DNS Server 1	None	Sets the IP address of primary DNS Server	

TABLE A.0.22 Setting Items of [IPv6 Interface] Window

Main Item	Setting Item	Initial Value	Value that can be set	Remarks
	DNS Server 2	None	Sets the IP address of primary DNS Server	
	DNS Server 3	None	Sets the IP address of primary DNS Server	
Management LAN	Dualization	Disable	Enable Disable	
Maintenance IP Address	Interface	Disable	 Enable Disable 	
	IP Address	None	0-FFFF,0-FFFF, 0-FFFF, 0-FFFF, 0-FFFF, 0-FFFF, 0-FFFF, 0-FFFF	
	Prefix Length	None	1~128	
	Gateway address	None	0-FFFF,0-FFFF, 0-FFFF, 0-FFFF, 0-FFFF, 0-FFFF, 0-FFFF, 0-FFFF,	
	SMTP address	None	0-FFFF,0-FFFF, 0-FFFF,0-FFFF, 0-FFFF,0-FFFF, 0-FFFF,0-FFFF,	

A.1.23 Setting Items of [Management LAN Port Configuration] Window

The following table lists the initial value and the value that can be set for the setting items of [Management LAN Port Configuration] Window.

Main Item	Setting Item	Initial Value	Value that can be set	Remarks
Speed/Duplex	User port	Auto	· Auto	
for MMB#0	Maintenance		・ 100M/Full	
	port		・ 100M/Half	
	REMCS port		・ 10M/Full	
	•		· 10M/Half	
Speed/Duplex	User port	Auto	· Auto	
for MMB#1	Maintenance		· 100M/Full	
	port		 100M/Half 	
	REMCS port		· 10M/Full	
			· 10M/Half	

TABLE A.0.23 Setting Items of [Management LAN Port Configuration] Window

A.1.24 Setting Items of [Network Protocols] Window

The following table lists the initial value and the value that can be set for the setting items of [Network Protocols] Window.

Main Item	Setting Item	Initial Value	Value that can be set	Remarks
Web	HTTP	Disable	Enable	
(HTTP/HTTP		Disable	Disable	
S)	HTTP Port#	8081	80,1024~65535	
	HTTPS	Disable	Enable Disable	
	HTTPS Port#	432	432,1024~65535	
	Timeout (sec)	600 seconds	60~9999 seconds 0:No timeout	
Telnet	Telnet	In case of PRIMEQUEST 2400E3/2800E3/2800B3/ 2400E2/2800E2/2800B2 Enable	 Enable Disable 	
		In case of PRIMEQUEST 2400E/2800E/2800B Disable		
	Telnet Port#	23	23,1024~65535	
	Telnet Timeout (sec)	600 second	60~9999 seconds 0:No timeout	
SSH	SSH	Disable	Enable Disable	
	SSH Port#	22	22,1024~65535	
	SSH Timeout (sec)	600 seconds	60~9999 seconds 0:No timeout	
SNMP	SNMP Agent	Disable	Enable Disable	
	Agent Port#	161	161,1024~65535	
	SNMP Trap	Disable	Enable Disable	
	Trap Port#	162	161,1024~65535	

TABLE A.0.24 Setting Ite	ms of [Network	Protocols] Window

A.1.25 Setting Items of [Refresh Rate] Window

The following table lists the initial value and the value that can be set for the setting items of [Refresh Rate] Window.

TABLE A.0.25 Setting Items of [Refresh Rate] W	Vindow
------------------------------------------------	--------

Setting Item	Initial Value	Value that can be set	Remarks
Refresh Rate	Disable	 Enable -Seconds:5~999 seconds Disable 	

A.1.26 Setting Items of [SNMP Community] Window

The following table lists the initial value and the value that can be set for the setting items of [SNMP Community] Window.

Main Item	Setting Item	Initial Value	Value that can be set	Remarks
System Information	System Location	None	[0-9], [a-z], [A-Z] Special characters: ! # \$ %& ' () = - ^ ~ ¥ @ `[] { } : * ; + ? < . > , / _	 # and half width space cannot be used as the first character. Half width space cannot be used as the last character.
	System contact	None	[0-9], [a-z], [A-Z] Special characters: ! # \$ %& ' () = - ^ ~ ¥ @ `[] { } : * ; + ? < . > , / _	 # and half width space cannot be used as the first character. Half width space cannot be used as the last character.
Community	Community/ User	None	[0-9], [a-z], [A-Z] Special characters: ! # \$ %& ' () = - ^ ~ ¥ @ `[] { } : * ; + ? < . > , / _	" #"cannot be used as the first character.
	IP/Address/Ma sk	None	In case of IPv4 0-255, 0-255, 0-255, 0- 255 In case of IPv6 0-FFFF, 0-FFFF, 0-FFFF, 0-FFFF, 0-FFFF, 0-FFFF, 0-FFFF, 0-FFFF,	
	SNMP Version	1	· 1 · 2 · 3	
	Access	Read Only	Read Only Read Write	
	Auth	None	 noauth auth priv 	"Auth" becomes possible to set only when 3 is selected as SNMP version. When 1 or 2 has been selected as SNMP version, it becomes "noauth" and equal.

TABLE A.0.26 Setting Items of [SNMP Community] Window

A.1.27 Setting Items of [SNMP Trap] Window

The following table lists the initial value and the value that can be set for the setting items of [SNMP Trap] Window.

Setting Item	Initial Value	Value that can be set	Remarks
Community/User	None	In case of SNMP v1, v2, sets the SNMP Community string. In case of SNMPv3, specifies the user name.	
IP Address	None	In case of IPv4 0-255, 0-255, 0-255, 0-255 In case of IPv6 0-FFFF, 0-FFFF, 0-FFFF,0-FFFF, 0-FFFF, 0-FFFF, 0-FFFF, 0-FFFF,	
SNMP Version	1	· 1 · 2 · 3	
Auth	None	 noauth auth priv 	
Auth Type	None	· MD5 · SHA	
Auth passphrase	None	[0-9], [a-z], [A-Z] Special characters :! #\$ %& `() = - ^ ~ ¥ @ `[]{}:*; +?<.>,/_	
Priv passphrase	None	[0-9], [a-z], [A-Z] Special characters :! #\$ %& `() = - ^ ~ ¥ @ `[]{}:*; +?<.>,/_	

TABLE A.0.27 Setting Items of [SNMP Trap] Window

A.1.28 Setting Items of [SNMP v3 Configuration] Window

The following table lists the initial value and the value that can be set for the setting items of [SNMP v3 Configuration] Window.

Setting Item	Initial Value	Value that can be set	Remarks
Engine ID	None	[0-9], [a-z], [A-Z] Special characters: ! " # \$ %& ' () = - ^ ~ ¥ @ `[] { } : * ; + ? < . > , / _	
User Name	None	[0-9], [a-z], [A-Z] Special characters: ! " # \$ %& ' () = - ^ ~ ¥ @ `[] { } : * ; + ? < . > , / _	
Auth type	MD5	· MD5 · SHA	
Auth passphrase	None	[0-9], [a-z], [A-Z] Special characters: ! " # \$ %& ' () = - ^ ~ ¥ @ `[] { } : * ; + ? < . > , / _	
Priv passphrase	None	[0-9], [a-z], [A-Z] Special characters: ! #\$ %& `() = - ^ ~ ¥ @ `[]{}:*;+? <.>,/_	

TABLE A.0.28 Setting	Items of [SNM	P v3 Configurati	on1 Window
TADLE A.U.ZU Detting		i və connyuları	

A.1.29 Setting Items of [Create CSR] Window

The following table lists the initial value and the value that can be set for the setting items of [Create CSR] Window.

Setting Item	Initial Value	Value that can be set	Remarks
Key length	1024	· 1024 · 2048	
Country Name	None	ISO Country Code (2 alphabetic characters)	Example :Japan "JP" USA "US"
State or Province Name	None	Maximum 56 characters can be entered.	
Locality Name	None	Maximum 56 characters can be entered.	
Organization Name	None	Maximum 56 characters can be entered.	
Organization Unit Name	None	Maximum 56 characters can be entered.	
Common name	None	Maximum 56 characters can be entered.	
E-Mail Address	None	None E-Mail address. Maximum 40 characters can be entered.	

TABLE A.0.29 Setting Items of [Create CSR] Window

A.1.30 Setting Items of [Create Selfsigned Certificate] Window

The following table lists the initial value and the value that can be set for the setting items of [Create Selfsigned Certificate] Window.

Setting items	Initial value	Values that can be set	Remarks
Key length	1024	· 1024	
		· 2048	
Term	None	1~4095 Days	
Country Name	None	Maximum 56 characters can be entered	
State or Province Name	None	Maximum 56 characters can be entered	
Locality Name	None	Maximum 56 characters can be entered	
Organization Name	None	Maximum 56 characters can be entered	
Organization Unit Name	None	Maximum 56 characters can enter	
Common Name	None	Maximum 56 characters can be entered	
E-Mail Address	None	E-Mail Address. Maximum 40 characters can be entered	

TABLE A.0.30 Setting Items of [Create Selfsigned Certificate] Window

A.1.31 Setting Items of [Edit User] Window

The following table lists the initial value and the value that can be set for the setting items of [Edit User] Window.

Setting Items	Initial value	Values that can be set	Remarks
User Name	None	3 characters or more, less	
		than or equal to 16	
		characters	
		[0-9],[a-z],[A-Z]	
Password	None	8 characters or more, less	
		than or equal to 16	
		characters	
		[0-9],[a-z],[A-Z]	
Confirm Password	None	8 characters or more, less	
		than or equal to 16	
		characters	
		[0-9],[a-z],[A-Z]	
Privilege	In case of Add User:	Admin	
	Admin	Operator	
	In case of Edit User:	• User	
	Present Privilege	· CE	
		No Access	
Status	Disabled	Enabled	
		Disabled	

TABLE A.0.31 Setting Items of [Edit User] Window

A.1.32 Setting Items of [Add Filter] / [Edit Filter] Window

The following table lists the initial value and the value that can be set for the setting items of [Edit User Add Filter] / [Edit Filter] Window.

Setting item	Initial value	Values that can be set	Remarks
Protocol	SSH	 HTTP HTTPS Telnet SSH SNMP 	
Access Control	Disable	 Enable Disable 	
IP Address	None	In case of IPv4 0-255,0-255,0-255,0-255 In case of IPv6 0-FFFF, 0-FFFF, 0-FFFF, 0- FFFF, 0-FFFF, 0-FFFF, 0-FFFF, 0-FFFF	
Subnet Mask/Prefix Length	None	In case of IPv4 0-255,0-255,0-255,0-255 In case of IPv6 0-FFFF, 0-FFFF, 0-FFFF, 0- FFFF, 0-FFFF, 0-FFFF, 0-FFFF, 0-FFFF	

A.1.33 Setting Items of [Alarm E-Mail] Window

The following table lists the initial value and the value that can be set for the setting items of [Alarm E-Mail] Window.

Setting Item	Initial value	Values that can be set	Remarks
Alarm E-Mail	Disable	Enable	
		Disable	
From	None	E-Mail Address	When [Use envelope
			"from" address] check box
			is checked, the address of
			[From:] is set as the source
			E-Mail address and the
			mail are sent. By default
			the checkbox is off.
То	None	E-Mail Address	When multiple addresses
			are specified, they are
			separated by using ","
			(Comma).
SMTP Server	None	IP address or FQDN1 of	
		SMTP server	
Subject	None	[0-9],[a-z],[A-Z], Special	
		characters: !,#,",\$,%,&,',(),*,+,-	
		,.,/,_,~	
		space	

TABLE A.0.33 Setting Items of [Alarm E-Mail] Window

A.1.34 Setting Items of [Alarm E-Mail Filtering Condition] Window

The following table lists the initial value and the value that can be set for the setting items of [Alarm E-Mail Filtering Condition] Window.

Setting item	Initial value	Values that can be set	Remarks
Severity	All ON	• Error	
		Warning	
		• Info	
		(Multiple selection is possible)	
Partition	All ON	· All	When specified is selected,
		Specified	the partition to be
		(Multiple selection is possible)	displayed is set ON.
Unit	All	· All	When specified is selected,
		Specified	the unit to be displayed is
			set ON.
Source	All	· All	When specified is selected,
		Specified	the source to be displayed
			is set ON.

TABLE A.0.34 Setting Items of [Alarm E-Mail Filtering Condition] Window

Setting Items on UEFI A.2

This list shows the initial value and the values that can be set for Setting Items on UEFI

- A.2.1 Setting Items on [LAN Remote Boot Configuration] Window A.2.2 Setting Items on [CPU Configuration] Window
- A.2.3 Setting Items on [PCI Subsystem Configuration] Window
- A.2.3.1 Setting Items on [OpROM Scan Configuration] Window
- A.2.3.2 Setting Items on [I/O Space Assignment Configuration] Window
- A.2.4 Setting Items on [iSCS Configuration] Window
- A.2.4.1 Setting Items on [Attempt Configuration] Window
- A.2.5 Setting Items on [Memory Configuration] Window A.2.6 Setting Items on [USB Configuration] Window
- A.2.7 Setting Items on [Security Configuration] Window

A.2.1 Setting Items on [LAN Remote Boot Configuration] Window

Following table lists the initial value and the values that can be set for Setting Items on [LAN Remote Boot Configuration] window.

TABL	E A.0.35 Setting Items of	[LAN Remote Boot	Configurat	ion] Window	

Setting item	Initial value		Values that can be set	Remarks
(Network Port	Disabled	•	UEFI(PXE/iSCSI)	
information)		•	Legacy PXE	
		•	Legacy ISCSI	
		•	Disabled	

A.2.2 Setting Items on [CPU Configuration] Window

Following table lists the initial value and the values that can be set for Setting Items on [CPU Configuration] window.

Setting item	Initial value	Values t	hat can be set	Remarks
Hyper	Enabled	• Disable		
threading(*1)		 Enable 		
Active Processor	[For PRIMEQUEST	· All		
Cores(*2)	2400E3/2800E3/2800B3/	· 0		
	2400E2/2800E2/2800B2]	· 1		
		· 2		
	0	· 3		
		· 4		
	[For PRIMEQUEST	· 5		
	2400E/2800E/2800B]	· 6		
		· 7		
	All	· 8		
		· 9		
		· 10		
		· 11		
		· 12		
		· 13		
		· 14		
		· 15		
		· 16		
		· 17		
		· 18		
Hardware	Enabled	 Disable 		
Prefetcher		 Enable 		
Adjacent Cache	Enabled	 Disable 		
Line Prefetch		 Enable 		
DCU Streamer	Enabled	• Disable		
Prefetcher		• Enable		
DCU Ip Prefetcher	Enabled	• Disable		
	_	• Enable		
Execute Disable	Enabled	• Disable		
Bit	E 11 1	• Enable		
Intel Virtualization	Enabled	• Disable		
Technology (*3)	Disabled	Enable		
Intel(R) VT-d	Disabled	• Disable		
(*3)(*6)	F	• • Enab		
Power Technology	Energy Efficient	• Disable		
(*4)			Efficient	
Enhanced	Enchlad	Custon		Displayed where "Oustars"
Enhanced	Enabled	Disable		Displayed when "Custom"
SpeedStep (*1)		• Enable		is selected on "Power
Turbo Mode(*1)	Enabled	• Disable	<u></u>	Technology". Displayed when "Custom"
		· Enable		is selected on "Power
		LIIADIE		Technology".
Energy	Performance	· Perform	nance	Displayed when "Custom"
Performance (*1)	1 chomanoc		ed Performance	is selected on "Power
			ed Energy	Technology".
			Efficient	
P-State	HW ALL	· HW_AI		Displayed when "Custom"
Coordination (*1)		· SW_AL		is selected on "Power
		· SW_A		Technology".
		<u> </u>	••	· connology ·

TABLE A.0.36 Setting Items of [CPU Configuration] Window

Setting item	Initial value	Values that can be set	Remarks
Enable CPU HWPM (*1)	Disabled	 Disabled HWPM NATIVE MODE HWPM OOB MODE 	Displays only when [Custom] is selected in [Enhanced Speed Step] and [Enabled] is selected in [Power Technology]. This item can be available
CPU C1E Support (*1)	Enabled	Disabled Enabled	in the PRIMEQUEST 2400E3/2800E3/2800B3 Displayed when "Custom" is selected on "Power Technology". This item can be available in the PRIMEQUEST 2400E3/2800E3/2800B3/ 2400E2/2800E2/2800B2
CPU C3 Report	Disabled	 Disable Enable 	Displayed when "Custom" is selected on "Power Technology".
CPU C6 report	Enabled	 Disable Enable 	Displayed when "Custom" is selected on "Power Technology".
CPU C7 report	Enabled	 Disable Enable 	Displayed when "Custom" is selected on "Power Technology".
Package C State limit	No Limit	C0 C2 C6 C7 No Limit	Displayed when "Custom" is selected on "Power Technology".
QPI Link Frequency Select (*1)	Auto	 Auto 9.6GT/s 8.0GT/s 7.2GT/s 6.4GT/s 	9.6 GT/s : This item can be available in the PRIMEQUEST 2400E3/2800E3/2800B3/ 2400E2/2800E2/2800B2.
Frequency Floor Override (*1)(*5)	Disabled	 Disable Enable 	This item can be available in the PRIMEQUEST 2400E/2800E/2800B
Uncore Frequency Override(*1)(*5)	Enabled	 Disable Enabled 	This item can be available in the PRIMEQUEST 2400E3/2800E3/2800B3/ 2400E2/2800E2/2800B2
Perfmon and DFX devices (*1)	Disabled	Disable Enable	
ACPI MSCT	Enabled	 Disable Enabled 	This item can be available in the PRIMEQUEST 2400E3/2800E3/2800B3/ 2400E2/2800E2/2800B2
x2APIC Mode (*3)	Enabled In Extended Partitioning: Disabled	 Disable Enabled 	This item can be available in the PRIMEQUEST 2400E2/2800E2/2800B2
EMCA Gen2 (*1)(*7)(*8)(*9)	Enabled	 Disable Enabled 	This item can be available in the PRIMEQUEST 2400E3/2800E3/2800B3/ 2400E2/2800E2/2800B2

*1: As settings of Physical Partition remain same in Extended Partitioning, settings are only displayed but cannot be changed.

*2: This item is not displayed in Extended Partitioning.*3: This item is displayed by fixation in Extended Partitioning.

*4: The submenu displayed when "Custom" is selected is not displayed and becomes fixation set in the place where "Disabled" and "EnergyEfficient" are selected with a physical partition. It is likely to become different from a fixed setting of a physical partition set to succeed a part of setting of a physical partition in the enhancing partition.

*5:There is Uncore Frequency Scaling(UFS) as a succession function of Frequency Floor Override(FFO) since PRIMEQUEST 2400E3/2800E3/2800B3/2400E2/2800E2/2800B2, and the frequency of Uncore is controlled individually with the frequency in CPU core.

*6: This item becomes Enable disregarding a set value at the x2APIC mode.

*7: EMCA Gen2 can be set to Enabled without any relation to whether OS supports EMCA Gen2.

*8 When Extended Partition or Dynamic Reconfiguration is effectively set by setting MMB even if EMCA Gen2 is set to Enabled, the setting of EMCA Gen2 automatically becomes Disabled. It automatically returns to Enabled and it does not exist.

*9 The menu item EMCA Gen2 added with BB15062 of PRIMEQUEST 2400E2/2800E2/2800B2, and default are Enabled.

A.2.3 Setting Items on [PCI Subsystem Configuration] Window

Following table lists the initial value and the values that can be set for Setting Items on [PCI Subsystem Configuration] window.

Setting item	Initial value		Setting value	Remarks
PCI ROM	EFI Compatible ROM	•	Legacy ROM	
Priority		•	EFI Compatible ROM	
ASPM Support	Disabled	•	Disabled	
		•	Auto	
		•	Limit to L0s	
Number of bus#	1	•	1	
Padded to slot		•	2	
		•	3	
Above 4G	Disabled	•	Enabled	
decoding		•	Disabled	
OpROM MMIO	Enabled	•	Enabled	
Assignment		•	Disabled	
Internal LAN*1	Enabled	•	Enabled	
		•	Disabled	

TABLE A.0.37 Setting Items of [PCI Subsystem Configuration] Window

*1: This item is not displayed in the Extended Partition. Moreover, it operates by Enabled in the Extended Partition.

A.2.3.1 Setting Items on [OpROM Scan Configuration] Window Following table lists the initial value and the values that can be set for Setting Items on [OpROM Scan Configuration] window.

Setting Item	Initial Value	Setting Value	Remarks
Slot 1 OpROM (DU)	Disabled	Enabled Disabled	Settings for DU#0Slot#0
Slot 2 OpROM	Disabled	Enabled Disabled	Settings for PCI Express slot#0 of IOU#0
Slot 30pROM	Disabled	Enabled Disabled	Settings for PCI Express slot #1of IOU#0
Slot 40pROM	Disabled	 Enabled Disabled 	Settings for PCI Express slot #2of IOU#0
Slot 5OpROM	Disabled	 Enabled Disabled 	Settings for PCI Express slot #3of IOU#0
Slot 17 OpROM (DU)	Disabled	 Enabled Disabled 	Settings for DU#0 Slot#1
Slot 18 OpROM	Disabled	 Enabled Disabled 	Settings for PCI Express slot #0of IOU#1
Slot 19 OpROM	Disabled	Enabled Disabled	Settings for PCI Express slot #1of IOU#1
Slot 20 OpROM	Disabled	Enabled Disabled	Settings for PCI Express slot #2of IOU#1
Slot 21 OpROM	Disabled	Enabled Disabled	Settings for PCI Express slot #3of IOU#1
Slot 33 OpROM (DU)	Disabled	Enabled Disabled	Settings for DU#1 Slot#0
Slot 34 OpROM	Disabled	Enabled Disabled	Settings for PCI Express slot #0 of IOU#2
Slot 35 OpROM	Disabled	Enabled Disabled	Settings for PCI Express slot #1of IOU#2
Slot 36 OpROM	Disabled	Enabled Disabled	Settings for PCI Express slot #2of IOU#2
Slot 37 OpROM	Disabled	Enabled Disabled	Settings for PCI Express slot #3of IOU#2
Slot 49 OpROM (DU)	Disabled	Enabled Disabled	Settings for DU#1Slot#1
Slot 50 OpROM	Disabled	Enabled Disabled	Settings for PCI Express slot #0of IOU#3
Slot 51 OpROM	Disabled	Enabled Disabled	Settings for PCI Express slot #1of IOU#3
Slot 52 OpROM	Disabled	Enabled Disabled	Settings for PCI Express slot #2of IOU#3
Slot 53 OpROM	Disabled	Enabled Disabled	Settings for PCI Express slot #3of IOU#3

TABLE A.0.38 Setting Items of [OpROM Scan Configuration] Window (1/2)

Setting Item	Initial Value	Setting Value	Remarks
Slot 65 OpROM	Disabled	Enabled	Settings for PCI Express
		· Disabled	slot #0 of PCI_Box#0
Slot 66 OpROM	Disabled	Enabled	Settings for PCI Express
•		· Disabled	slot #1 of PCI_Box#0
Slot 67 OpROM	Disabled	Enabled	Settings for PCI Express
		· Disabled	slot #2 of PCI_Box#0
Slot 68 OpROM	Disabled	· Enabled	Settings for PCI Express
		· Disabled	slot #3 of PCI_Box#0
Slot 69 OpROM	Disabled	· Enabled	Settings for PCI Express
	Diodbiod	· Disabled	slot #4 of PCI_Box#0
Slot 70 OpROM	Disabled	· Enabled	Settings for PCI Express
	Disabled	Disabled	slot #5 of PCI_Box#0
Slot 71 OpROM	Disabled	Enabled	Settings for PCI Express
	Disableu		slot #6 of PCI_Box#0
	Dischlad	Disableu	
Slot 72 OpROM	Disabled	Enabled	Settings for PCI Express slot #7 of PCI_Box#0
	Dischlad	Disabled	
Slot 73 OpROM	Disabled	• Enabled	Settings for PCI Express
01 / 7 / 0 501		Disabled	slot #8 of PCI_Box#0
Slot 74 OpROM	Disabled	• Enabled	Settings for PCI Express
		Disabled	slot #9 of PCI_Box#0
Slot 75 OpROM	Disabled	Enabled	Settings for PCI Express
		· Disabled	slot #10 of PCI_Box#0
Slot 76 OpROM	Disabled	Enabled	Settings for PCI Express
		Disabled	slot #11 of PCI_Box#0
Slot 81 OpROM	Disabled	Enabled	Settings for PCI Express
		Disabled	slot #0 of PCI_Box#1
Slot 82 OpROM	Disabled	Enabled	Settings for PCI Express
		Disabled	slot #1 of PCI_Box#1
Slot 83 OpROM	Disabled	Enabled	Settings for PCI Express
		Disabled	slot #2 of PCI_Box#1
Slot 84 OpROM	Disabled	Enabled	Settings for PCI Express
		· Disabled	slot #3 of PCI_Box#1
Slot 85 OpROM	Disabled	Enabled	Settings for PCI Express
•		· Disabled	slot #4 of PCI_Box#1
Slot 86 OpROM	Disabled	Enabled	Settings for PCI Express
		Disabled	slot #5 of PCI_Box#1
Slot 87 OpROM	Disabled	· Enabled	Settings for PCI Express
eleter epitem		· Disabled	slot #6 of PCI_Box#1
Slot 88 OpROM	Disabled	· Enabled	Settings for PCI Express
	Bioabioa	Disabled	slot #7 of PCI_Box#1
Slot 89 OpROM	Disabled	· Enabled	Settings for PCI Express
	Disabled	Disabled	slot #8 of PCI_Box#1
Slot 90 OpROM	Disabled	· Enabled	Settings for PCI Express
	Disableu	Disabled	slot #9 of PCI_Box#1
Slot 91 OpROM	Disabled	Enabled	Settings for PCI Express
			slot #10 of PCI_Box#1
	Disabled	Disabled Enabled	Settings for PCI Express
Slot 92 OpROM	Disabled	Enabled	slot #11 of PCI_Box#1
	Dischlad	Disabled	
Slot 97 OpROM	Disabled	· Enabled	Settings for PCI Express
	Disable I	Disabled	slot #0 of PCI_Box#2
Slot 98 OpROM	Disabled	• Enabled	Settings for PCI Express
01 - 00 0 - 01 -		Disabled	slot #1 of PCI_Box#2
Slot 99 OpROM	Disabled	· Enabled	Settings for PCI Express
		Disabled	slot #2 of PCI_Box#2
Slot 100 OpROM	Disabled	Enabled	Settings for PCI Express
	1	Disabled	slot #3 of PCI_Box#2

	(0/0)
TABLE A.0.39 Setting Items of [OpROM Scan Configu	ration] window (2/2)

Setting Item	Initial Value	Setting Value	Remarks
Slot 101 OpROM	Disabled	Enabled	Settings for PCI Express
		Disabled	slot #4 of PCI_Box#2
Slot 102 OpROM	Disabled	Enabled	Settings for PCI Express
		Disabled	slot #5 of PCI_Box#2
Slot 103 OpROM	Disabled	Enabled	Settings for PCI Express
		Disabled	slot #6 of PCI_Box#2
Slot 104 OpROM	Disabled	Enabled	Settings for PCI Express
		Disabled	slot #7 of PCI_Box#2
Slot 105 OpROM	Disabled	Enabled	Settings for PCI Express
		Disabled	slot #8 of PCI_Box#2
Slot 106 OpROM	Disabled	Enabled	Settings for PCI Express
		Disabled	slot #9 of PCI_Box#2
Slot 107 OpROM	Disabled	Enabled	Settings for PCI Express
		Disabled	slot #10 of PCI_Box#2
Slot 108 OpROM	Disabled	Enabled	Settings for PCI Express
		Disabled	slot #11 of PCI_Box#2
Slot 113 OpROM	Disabled	Enabled	Settings for PCI Express
		Disabled	slot #0 of PCI_Box#3
Slot 114 OpROM	Disabled	Enabled	Settings for PCI Express
		Disabled	slot #1 of PCI_Box#3
Slot 115 OpROM	Disabled	Enabled	Settings for PCI Express
		Disabled	slot #2 of PCI_Box#3
Slot 116 OpROM	Disabled	Enabled	Settings for PCI Express
		Disabled	slot #3 of PCI_Box#3
Slot 117 OpROM	Disabled	Enabled	Settings for PCI Express
	.	Disabled	slot #4 of PCI_Box#3
Slot 118 OpROM	Disabled	Enabled	Settings for PCI Express
	.	Disabled	slot #5 of PCI_Box#3
Slot 119 OpROM	Disabled	Enabled	Settings for PCI Express
	.	· Disabled	slot #6 of PCI_Box#3
Slot 120 OpROM	Disabled	Enabled	Settings for PCI Express
	Dischlad	Disabled	slot #7 of PCI_Box#3
Slot 121 OpROM	Disabled	· Enabled	Settings for PCI Express
	Disabled	Disabled	slot #8 of PCI_Box#3
Slot 122 OpROM	Disabled	Enabled	Settings for PCI Express slot #9 of PCI_Box#3
	Dischlad	Disabled Enabled	
Slot 123 OpROM	Disabled	Lilableu	Settings for PCI Express slot #10 of PCI_Box#3
	Dischlad	Disabled	
Slot 124 OpROM	Disabled	Enabled	Settings for PCI Express slot #11 of PCI_Box#3
		Disabled	

A.2.3.2 Setting Items on [I/O Space Assignment Configuration] Window Following table lists the initial value and the values that can be set for Setting Items on [I/O Space Assignment

Configuration] window.

TABLE A.0.40 Se	etting Items of [I/	O Space Assignment	Configuration] Window
-----------------	---------------------	--------------------	-----------------------

Setting item	Initial value		Values that can be set	Remarks
Slot#(*1)	Auto	·	Force	
		•	Auto	
		•	Disable	

*1: As settings of Physical Partition remain same in Extended Partitioning, settings are only displayed but cannot be changed.

A.2.4 Setting Items on [iSCS Configuration] Window

Following table lists the initial value and the values that can be set for Setting Items on [iSCS Configuration] window.

Setting Item	Initial Value	Setting Value	Remarks
iSCSI Initiator	-	iSCSI Initiator Name	4-223 characters can be
Name			entered.

TABLE A.0.41 Setting Items of [iSCS Configuration] Window

A.2.4.1 Setting Items on [Attempt Configuration] Window Following table lists the initial value and the values that can be set for Setting Items on [Attempt Configuration] window.

Setting Item iSCSI Mode	Initial Value	Setting Value	Remarks
	Disabled	Enabled for MPIO	Notificino
	Disabled	· Enabled	
	154	Bioabioa	
Internet Protocol	IP4	· IP4	
		· IP6	
		Autoconfigure	
Connection Retry	5	· 0~16	
Count			
Connection	1000		Unit is millisecond.
Establishing			
Timeout			
ISID	Generated from MAC	Enter last six digits of ISID.	
	address		
Enable DHCP		· []	
	[]	11	
		· [X]	<u></u>
Initiator IP	-	0-255, 0-255, 0-255, 0-255	Displayed only when
Address			[DHCP] is [Enable]
Initiator Subnet	-	0-255, 0-255, 0-255, 0-255	Displayed only when
Mask			[DHCP] is [Enable].
Gateway		0-255, 0-255, 0-255, 0-255	Displayed only when
			[DHCP] is [Enable].
Get Target info	[]	· []	Displayed only when
via DHCP	.,	· [X]	[DHCP] is [Enable].
Target Name	-	4~223 characters can be	Displayed when [Get
raigername	-	entered. The types of	Target info via DHCP] is
		characters that can be entered	disabled.
			disabled.
		are as follows	
		0-9, A-Z, a-z,! "#\$%&`()*	
		+,/:;<=>?@[¥]^_`	
		{ }.	
Target IP Address	-	0-255, 0-255, 0-255, 0-255	Displayed when [Get
			Target info via DHCP] is
			disabled.
Target Port	0	· 0~65535	
Boot LUN	0	· x~xxxx-xxxx-	
2000 2011	•	xxxx(in Hexadecimal)	
Authentication	СНАР		
	UT IAF	None	
Туре		· CHAP	
CHAP Type	One way	One way	
		 Mutual 	
CHAP Name	-	125 characters can be	
		entered. The types of	
		characters that can be entered	
		are as follows.	
		0-9, A-Z, a-z,! " # \$ % & ' () *	
		0-9, A-Z, a-z,! " # \$ % & ' () * + , /:; <=>? @ [¥]^_`	
		0-9, A-Z, a-z,! " # \$ % & '() * +,/:;<=>? @ [¥]^_` { }.~	
CHAP Secret	-	0-9, A-Z, a-z,! " # \$ % & ' () * + , / : ; <= > ? @ [¥]^_` { }.~ 12~16 characters can be	
CHAP Secret	-	0-9, A-Z, a-z,! " # \$ % & ' () * + , / : ; <= > ? @ [¥]^_` { }.~ 12~16 characters can be entered. The types of	
CHAP Secret	-	0-9, A-Z, a-z,! " # \$ % & ' () * + , / : ; < = > ? @ [¥]^_` { }.~ 12~16 characters can be entered. The types of characters that can be entered	
CHAP Secret	-	0-9, A-Z, a-Z,! " # \$ % & ' () * + , / : ; <= > ? @ [¥]^_` { }.~ 12~16 characters can be entered. The types of characters that can be entered are as follows.	
CHAP Secret	-	0-9, A-Z, a-z,! " # \$ % & ' () * + , / : ; < = > ? @ [¥]^_` { }.~ 12~16 characters can be entered. The types of characters that can be entered	
CHAP Secret	-	0-9, A-Z, a-Z,! " # \$ % & ' () * + , / : ; <= > ? @ [¥]^_` { }.~ 12~16 characters can be entered. The types of characters that can be entered are as follows.	

Setting Item	Initial Value	Setting Value	Remarks
Reverse CHAP	-	125 characters can be	
Name		entered. The types of	
		characters that can be entered	
		are as follows.	
		0-9, A-Z, a-z,! " # \$ % & ' () *	
		+ , / : ; < = > ? @ [¥]^_`	
		{ }.~	
Reverse CHAP	-	12~16 characters can be	
Secret		entered. The types of	
		characters that can be entered	
		are as follows.	
		0-9, A-Z, a-z,! " # \$ % & ' () *	
		+ , / : ; < = > ? @ [¥]^_`	
		{ }.~	

A.2.5 Setting Items on [Memory Configuration] Window

Following table lists the initial value and the values that can be set for Setting Items on [Memory Configuration] window.

Setting Item	Initial Value	Setting Value	Remarks
DIMM Speed(*1)	Normal Mode	Performance Mode Normal Mode	This item is not displayed for PRIMEQUEST 2400E3/2800E3/2800B3/ 2400E2/2800E2/2800B2.
Patrol scrub(*1)	Disabled	Disabled Enabled	
Refresh Rate(*1)	Auto	Auto 1x	
Memory Power	Default	Default	
States (*1)		Perfomance Mode	
DDR4	Enabled	· · Disabled	This item can be available
Command/Address Parity Check and Retry (*1)		· Enabled	in the PRIMEQUEST 2400E3/2800E3/2800B3/ 2400E2/2800E2/2800B2
Address Range	OS Request	OS Request	This item can be available
Mirroring (*7)		BIOS Menu Setting	in the PRIMEQUEST 2400E3/2800E3/2800B3. (*2)(*3)(*8)
Mirror Size on SB#0-SKT#0 (64MB unit) (*7)	4	· 0-65535	This item can be available in the PRIMEQUEST 2400E3/2800E3/2800B3. (*4)(*5)(*6)(*9)
Mirror Size on SB#0-SKT#1 (64MB unit) (*7)	4	• 0-65535	This item can be available in the PRIMEQUEST 2400E3/2800E3/2800B3. (*4)(*5)(*6)
Mirror Size on SB#1-SKT#0 (64MB unit) (*7)	4	• 0-65535	This item can be available in the PRIMEQUEST 2400E3/2800E3/2800B3. (*4)(*5)(*6)(*9)
Mirror Size on SB#1-SKT#1 (64MB unit) (*7)	4	• 0-65535	This item can be available in the PRIMEQUEST 2400E3/2800E3/2800B3. (*4)(*5)(*6)
Mirror Size on SB#2-SKT#0	4	· 0-65535	This item can be available in the PRIMEQUEST

TABLE A.0.43 Setting Items of [Memory Configuration] Window

Setting Item	Initial Value	Setting Value	Remarks
(64MB unit) (*7)			2400E3/2800E3/2800B3. (*4)(*5)(*6)(*9)
Mirror Size on SB#2-SKT#1 (64MB unit) (*7)	4	· 0-65535	This item can be available in the PRIMEQUEST 2400E3/2800E3/2800B3. (*4)(*5)(*6)
Mirror Size on SB#3-SKT#0 (64MB unit) (*7)	4	· 0-65535	This item can be available in the PRIMEQUEST 2400E3/2800E3/2800B3. (*4)(*5)(*6)(*9)
Mirror Size on SB#3-SKT#1 (64MB unit) (*7)	4	· 0-65535	This item can be available in the PRIMEQUEST 2400E3/2800E3/2800B3. (*4)(*5)(*6)

*1: As settings of Physical Partition remain same in Extended Partitioning, settings are only displayed but cannot be changed.

*2: It is necessary to set Memory Operation Mode to Address Range Mirroring with MMB Web-UI to use the Address Range Mirroring function. It does not depend on the setting of MMB Web-UI, and this menu is always displayed. 3: It is necessary to support Address Range Mirroring with OS to use the Address Range Mirroring function. It is necessary to support the function to notify BIOS the amount of the mirror memory or the memory ratio with OS at the setting of "OS Request".

*4: It does not depend on the SB composition of the partition and the number equipped with CPU, and the item of SB#0-CPU#0-SB#3-CPU#1 is always displayed. The setting is actually disregarded about SB/CPU that is not included in the partition, and not installed though can set by the menu.

*5: The size is set in 64MB. (When "4" is set to the amount of the mirror memory, 4*64=256MB becomes the amount of the mirror memory.)

*6: When "BIOS Setting" is selected by "Address Range Mirroring", this item is displayed.

*7: This item does not display in Extended Partition. (When Address Range Mirroring is made enable with Web-UI of MMB, the area that the firmware of the Extended Partition uses is mirrored by fixation.)

*8: When the specification of the memory capacity mirrored in the BIOS menu is specified for "BIOS Menu Setting", the mirrored memory capacity setting from OS is not reflected.

*9: When SB is Home SB in the partition, the setting is disregarded though it is possible to set from the menu.

A.2.6 Setting Items on [USB Configuration] Window

Following table lists the initial value and the values that can be set for Setting Items on [USB Configuration] window.

Setting Item	Initial Value	Setting value	Remarks
Legacy USB	Enabled	Disabled	
Support		Enabled Auto	
Mass Storage Devices:	Auto	Auto Auto Floppy Forced FDD Hard Disk CD-ROM	
USB Port disable(*1)	Enabled	Enable Disable	

*1: As settings of Physical Partition remain same in Extended Partitioning, settings are only displayed but cannot be changed.

A.2.7 Setting Items on [Security Configuration] Window

Following table lists the initial value and the values that can be set for Setting Items on [Security Configuration] window.

In Extended Partitioning, because TPM cannot be used, this menu is not displayed.

Setting Item	Initial Value	Setting Value	Remarks
TPM Support	Disabled	 Disabled Enabled 	
TPM State	Disabled	 Disabled Enabled 	
Pending TPM operation	None	None Enable Take Ownership Disable Take Ownership TPM Clear	

TABLE A.0.45 Setting Items of [Security Configuration] Window

A.3 Setting Items on Video redirection

Following is the list of initial values and the values that can be set for Setting Items on BMC.

- A.3.1 Setting Items on [Video] Window
- A.3.2 Setting Items on [Keyboard] Window
- A.3.3 Setting Items on [Mouse] Window
- A.3.4 Setting Items on [Options] Window

A.3.1 Setting Items on [Video] Window

Following table lists the initial values and the values that can be set for Setting Items on [Video] window.

Setting Item	Initial Value	Setting Value	Remarks
Low Bandwidth	Normal	 Normal 	
Mode		· 8bpp	
		 8bpp B&W 	
		· 16bpp	

TABLE A.0.46 Setting Items of [Video] Window

A.3.2 Setting Items on [Keyboard] Window

Following table lists the initial values and the values that can be set for Setting Items on [Keyboard] window.

Setting Item	Initial Value	Setting Value	Remarks
Host Physical	Auto Detect	Auto Detect	
Keyboard		 English (United States) 	
		French	
		 German (Germany) 	
		· Spanish	
Soft Keyboard		 English (United States) 	
		 English (United Kingdom) 	
		· Spanish	
		French	
		 German (Germany) 	
		· Italian	
		• Danish	
		 Finnish 	
		 German (Switzerland) 	
		 Norwegian 	
		Portuguese	
		 Swedish 	
		Hebrew	
		 French (Belgium) 	
		 Dutch (Belgium) 	
		 Russian (Russia) 	
		· Japanese	
		Turkish-F	
		 Turkish-Q 	

TABLE A.0.47 Setting Items of [Keyboard] Window

A.3.3 Setting Items on [Mouse] Window

Following table lists the initial values and the values that can be set for Setting Items on [Mouse] window.

		o i i	
Setting Item	Initial Value	Setting Value	Remarks
Mouse Mode	Absolute mouse mode	Absolute mouse mode	
		 Relative mouse mode 	
		Hide mouse mode	

TABLE A.0.48 Setting Items of [Mouse] Window

A.3.4 Setting Items on [Options] Window

Following table lists the initial values and the values that can be set for Setting Items on [Options] window.

Setting Item	Initial Value		Setting Value	Remarks
GUI language	EN-English	·	DE-Deutsch	
		•	EN-English	
		•	JA-Japanese	

TABLE A.0.49 Setting Items of [Options] Window

A.4 Recommended setting of UEFI

When they leave the factory, Fujitsu PRIMEQUEST 2000 Series servers are already configured with BIOS standard settings, which provide an optimal ratio between performance and energy efficiency for the most common application scenarios. And yet there are situations in which it may be necessary to deviate from standard settings and thus configure the server - depending on requirements - for the maximum possible throughput (performance), the minimum possible latency (low latency), or the maximum possible energy saving (energy efficiency).

The following tables list recommendations for BIOS options, which optimize the PRIMEQUEST 2000 Series servers either for best performance, low latency or maximum energy efficiency.

Many of the BIOS options listed here have interdependencies. This can result in certain changes to specific options alone displaying undesirable system behavior and only having the desired effect when further options are also changed at the same time. Before changes are made to the BIOS options contained in the following tables, it is expressly recommended to see the description of PRIMEQUEST 2000 Series Tool Reference section 3.4 [Device Manager] menu. Furthermore, any changes should first be examined in a test environment for the required effect, before transferring them to the production environment.

UEFI Setup Menu	UEFI Option	Setting(*1)	Performance	Low latency	Energy Efficiency
[Device Manager]	Hyper-threading	Enabled	Enabled	Disabled	Enabled
Menu	(*7)	Disabled			
> [CPU Configuration]	Active Processor	0 - 18 (*2)	0 (*2)	1 - 18(*2)	0 (*2)
Menu	Cores (*8)				
		All	All (*3)	1 -14(*3)	All (*3)
		1 - 14 (*3)			
	Hardware	Enabled	Enabled	Enabled	Disabled
	Prefetcher	Disabled			
	Adjacent Cache	Enabled	Enabled	Enabled	Disabled
	Line Prefetch	Disabled			
	DCU Streamer	Enabled	Enabled	Enabled	Disabled
	Prefetcher	Disabled			
	DCU Ip Prefetcher	Enabled	Enabled	Enabled	Disabled
		Disabled			
	Execute Disable Bit	Enabled	Enabled	Enabled	Enabled
	(*4) (*13)	Disabled			
	Intel Virtualization	Enabled	Disabled	Disabled	Disabled
	Technology (*9)	Disabled			
	Intel(R) VT-d (*9)	Enabled	Enabled	Enabled	Disabled
		Disabled			
	Power Technology	Disabled	Custom	Custom	Custom
	(*10)	Energy Efficient			
		Custom			
	Enhanced Speed	Enabled	Enabled	Enabled	Enabled
	Step (*5)(*7)	Disabled			
	Turbo Mode	Enabled	Enabled	Enabled	Enabled
(*5)(*7)		Disabled			
	Energy		Performance	Performance	Energy
	Performance	Balanced Performance			Efficient
	(*5)(*7)	Balanced Energy			
		Energy Efficient			

TABLE A.0.50 Recommended setting of UEFI

UEFI Setup Menu	UEFI Option	Setting(*1)	Performance	Low latency	Energy Efficiency
	P-State Coordination	HW_ALL SW_ALL	HW_ALL	HW_ALL	HW_ALL
	(*5)(*7) (*14)	SW_ANY			
	Enable CPU HWPM	Disabled	Disabled	Disabled	Disabled
	(*7)	HWPM NATIVE MODE			
		HWPM OOB MODE			
	CPU C1E Support	Enabled	Disabled	Disabled	Enabled
	(*5) (*7)	Disabled			
	CPU C3 Report (*5)		Disabled	Disabled	Enabled
	CPU C6 Report (*5)	Disabled			
			Disabled	Disabled	Enabled
		Disabled			
	CPU C7 report (*5)	Enabled	Disabled	Disabled	Enabled
		Disabled			
	Package C State limit (*5)	C0	C0	C0	No Limit
	mm (5)	C2			
		C6			
		C7			
		No Limit			
	QPI Link Frequency	Auto	Auto	Auto	6.4GT/s
	Select (*7)	9.6GT/s			
		8.0GT/s			
		7.2GT/s			
		6.4GT/s(*2)			
		Auto			
		8.0GT/s			
		7.2GT/s 6.4GT/s(*3)			
	Frequency Floor Override (*3)(*7)	Enabled Disabled	Disabled	Enabled	Disabled
	Uncore Frequency	Enabled	Disabled	Enabled	Disabled
	Override (*2)(*7)	Disabled			
	(*11)				
	Perfmon and DFX devices (*7)	Enabled Disabled	Disabled	Disabled	Disabled
	ACPI MSCT (*13)	Enabled Disabled	Enabled	Enabled	Enabled
	x2APIC Mode (*13) (*9)	Enabled Disabled	Enabled	Enabled	Enabled
	EMCA Gen2 (*2)(*12)(*7)	Enabled Disabled	Disabled	Disabled	Enabled
Device Manager]	PCI ROM Priority	Legacy ROM	EFI	EFI	EFI
	(*13)	EFI Compatible ROM	Compatible	Compatible	Compatible
<i>l</i> lenu	(13)		Combanne	Compannie	Combanne

UEFI Setup Menu	UEFI Option	Setting(*1)	Performance	Low latency	Energy Efficiency
Configuration]Menu	ASPM Support (*6)	Disabled Auto Limit to L0s	Disabled	Disabled	Auto
	Number of bus# Padded to slot (*13)	1 2 3	1	1	1
	Above 4G decoding (*13)	Enabled Disabled	Disabled	Disabled	Disabled
	OpROM MMIO Assignment (*13)	Enabled Disabled	Enabled	Enabled	Enabled
[Device Manager] Menu	DIMM Speed (*3)(*7)	Performance Mode Normal Mode	Performance Mode	Performance Mode	Normal Mode
> [Memory Configuration] Menu	Patrol Scrub (*7)	Enabled Disabled	Disabled	Disabled	Enabled
	Refresh Rate (*7) (*14)	Auto 1x	Auto	Auto	Auto
	Memory Power States (*7)	Default Performance Mode	Performance Mode	Performance Mode	Default
	DDR4 Command/Address Parity Check and Retry (*14)(*7)	Enabled Disabled	Enabled	Enabled	Enabled
[Device Manager] Menu > [USB Configuration]Menu	Legacy USB Support (*13)	Disabled Enabled Auto	Enabled	Enabled	Enabled
	USB Port Disable (*7) (*13)	Enabled Disabled	Enabled	Enabled	Enabled
	Mass Storage Devices: "Connected Device Name" (*13)	Auto Floppy Forced FDD Hard Disk CD-ROM	Auto	Auto	Auto

*1 : The setting shown by the bold-faced type is a setting of default.

*2 : For PRIMEQUEST 2400E3/2800E3/2800B3/2400E2/2800E2/2800B2.

*3 : For PRIMEQUEST 2400E/2800E/2800B.

*4 : Only when OS supports this item, it becomes effective.

*5 : Only when "Custom" is selected by "Power Technology", this item is displayed.

*6 : If PCI Express adaptor or an onboard controller is not supporting ASPM though ASPM is effective, the link does not become effective.

*7 : Because the setting of a Physical Partition is succeeded, this item cannot be set with the Extended Partition.

*8 : This item is not displayed in the Extended Partition.

*9 : This item cannot be set by a fixed display with the Extended Partition.

*10 : The submenu displayed when "Disabled" and "Energy Efficient" are selected in a Physical Partition or "Custom" is selected is not displayed and it becomes fixation set. It is likely to become different from a fixed setting of a Physical Partition set to succeed a part of setting of a Physical Partition in the Extended Partition.

*11 : The frequency of Uncore is controlled besides the frequency in CPU core.

*12 : RAS function decreases though the performance and the response improve by making this item Disabled. *13 : Because this item is not effective in the performance and the energy efficiency, the Default value becomes a recommended value.

*14 : Because this item is not recommended to change, the Default value becomes a recommended value.

