FUJITSU Storage ETERNUS CS800 M1

Read Me First

Fujitsu would like to thank you for purchasing our FUJITSU Storage ETERNUS CS800 M1 (hereinafter referred to as "ETERNUS CS800 ").

Read this document and check the shipment package to confirm that no items are missing.
Refer to the ETERNUS CS800 manuals that are listed in this document as necessary.

> **⚠ CAUTION**
>
> Do Read and understand the "Safety Precautions" before use.
> See "Safety Precautions"

The information in this document is subject to change without notice for improvement and functionality expansion of the ETERNUS CS800.
The latest information about the ETERNUS CS800 is available at the following website:
http://www.fujitsu.com/global/products/computing/storage/data-protection/

Table of Contents

FUJITSU

P3AG-5142-04EN

ETERNUS CS800 Manuals

The manuals are available at the following website:
http://storage-system.fujitsu.com/global/doc/cs/

Manual Title	Description
Read Me First (this document)	Describes how the manuals are organized, package contents, and the related constitutions.
Safety Precautions	Describes the safety precautions that must be taken.

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

Manual Title	Description
User Guide	Describes the functions, initial setup, and system operation.
User Guide - Command Line Interface -	Explains how to monitor and set the ETERNUS CS800 via Command Line Interface (CLI).
User Guide - Advanced Reporting -	Explains how to utilize the performance data logs, visual reports, and graph function via ETERNUS CS800 Advanced Reporting.
OST Guide	Explains how to configure OST Optimized Replication to use with NetBackup or Backup Exec.
ETERNUS CS800 User Guide Veeam	Provides instructions for installing and configuring Veeam®.

Package Contents

Check the contents in the package contents list to make sure that none of the contents for the purchased product are missing.
Put a check mark in the checkbox for each item confirmed. If there is a missing item, contact your sales representative.

● Store the package contents in a safe and secure location, as they may be needed again when making changes to the system or reinstalling the software.
● Note that the package may sometimes also contain an Errata sheet and/or other such unlisted documentation.

ETERNUS CS800 M1 Entry (SED) (Product ID: CS8M1EAU)[*1]
ETERNUS CS800 M1 Entry (Product ID: CS8M1EBU)[*1]
ETERNUS CS800 M1 Entry (Product ID: CS8M1EBC)[*1]

☐ CS800 controller (x 1)

☐ Bezel (x 1)

☐ Rack mount kit (x 1 set)

   ☐ Rack rail (x 1 set)

☐ AC100V power cable (x2)
   IEC320-C13 <==> NEMA 5-15P (1.8m)
☐ AC200V power cable (x2)
   IEC320-C13 <==> IEC320-C14 (1.8m)

☐ Read Me First (x 1)
☐ Safety Precautions (x 1)

   ☐ Velcro strap (x 2)

  *1:   ETERNUS CS800 M1 Entry model : EOL on May 16th, 2022.

FUJITSU Storage ETERNUS CS800 M1 Read Me First

P3AG-5142-04EN

ETERNUS CS800 M1 Scale (SED) (Product ID: CS8M1SAU)
ETERNUS CS800 M1 Scale (Product ID: CS8M1SBU)
ETERNUS CS800 M1 Scale (Product ID: CS8M1SBC)
ETERNUS CS800 M1 Scale (Multi Protocol, SED) (Product ID: CS8M1SCU)
ETERNUS CS800 M1 Scale (Multi Protocol) (Product ID: CS8M1SDU)
ETERNUS CS800 M1 Scale (Multi Protocol) (Product ID: CS8M1SDC)

☐ CS800 controller (x 1)

☐ Rack mount kit (x 1 set)

    ☐ Rack rail (x 1 set)

    ☐ Velcro strap (x 2)

☐ AC100V power cable (x2)
   IEC320-C13 <==> NEMA 5-15P (1.8m)
☐ AC200V power cable (x2)
   IEC320-C13 <==> IEC320-C14 (1.8m)

☐ Bezel (x 1)

☐ Lan cable (x 1)
   RJ45 <==> RJ45 (4.26m)
   CAT6

☐ Read Me First (x 1)
☐ Safety Precautions (x 1)

P3AG-5142-04EN

ETERNUS CS800 M1 Enterprise (Multi Protocol, SED) (Product ID: CS8M1PAU)
ETERNUS CS800 M1 Enterprise (Multi Protocol) (Product ID: CS8M1PBU)
ETERNUS CS800 M1 Enterprise (Multi Protocol) (Product ID: CS8M1PBC)

● Controller unit

☐ CS800 controller (x 1)

☐ Bezel (x 1)

☐ Rack mount kit (x 1 set)

    ☐ Rack rail (x 1 set)

☐ Lan cable (x 1)
RJ45 <==> RJ45 (7.6m)
CAT6

    ☐ Velcro strap (x 2)

☐ Read Me First (x 1)
☐ Safety Precautions (x 1)

☐ AC100V power cable (x2)
    IEC320-C13 <==> NEMA 5-15P (1.8m)
☐ AC200V power cable (x2)
    IEC320-C13 <==> IEC320-C14 (1.8m)

P3AG-5142-04EN

● Base storage unit

☐ RBOD (x 1)

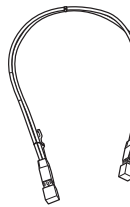

☐ Rack mount kit (x 1 set)

☐ Rack rail (x 1 set)

☐ SAS cable (x 2)
mini SAS HD (2m)

☐ Velcro strap (x 2)

☐ USB cable (x 2)

☐ Washer (x 2)   ☐ M5 flat head screw (x 2)
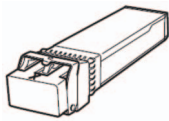

☐ AC100V power cable (x2)
IEC320-C13 <==> NEMA 5-15P (1.8m)
☐ AC200V power cable (x2)
IEC320-C13 <==> IEC320-C14 (1.8m)

ETERNUS CS800 M1 Scale Cable, 2×10GBASE-SR (Product ID: CS8ASC1) [*1]
ETERNUS CS800 M1 Enterprise Cable, 2×10GBASE-SR (Product ID:CS8APC1) [*1]

☐ 10GBASE-SR SFP+ (x 2)

☐ Fibre Channel cable (x 2)
Dual LC <==> Dual LC (5m)

*1: The cables are installed in the controller before shipment.

ETERNUS CS800 M1 Scale Cable, 2×10GBASE-CR (Product ID: CS8ASC2) [*1]
ETERNUS CS800 M1 Enterprise Cable, 2×10GBASE-CR (Product ID: CS8APC2) [*1]

☐ Twinax cable (5m) (x 2)

*1: The cables are shipped bundled with the controller.

ETERNUS CS800 M1 Scale HBA, 4×10GBASE-T (Product ID: CS8AS1T) [*1]
ETERNUS CS800 M1 Enterprise HBA, 4×10GBASE-T (Product ID: CS8AP1T) [*1]
ETERNUS CS800 M1 Scale HBA, 4×10GBASE-T (Product ID: CS8AS1TL)
ETERNUS CS800 M1 Enterprise HBA, 4×10GBASE-T (Product ID: CS8AP1TL)

☐ Quad Port 10GBase-T card (x 1)

☐ LAN cable (x 4)
RJ45 <==> RJ45 (7.6m)
CAT6a

    *1: The cables are installed in the controller before shipment.

ETERNUS CS800 M1 Scale HBA, 4×10GBASE-SR (Product ID: CS8AS1S) [*1]
ETERNUS CS800 M1 Enterprise HBA, 4×10GBASE-SR (Product ID: CS8AP1S) [*1]
ETERNUS CS800 M1 Scale HBA, 4×10GBASE-SR (Product ID: CS8AS1SL)
ETERNUS CS800 M1 Enterprise HBA, 4×10GBASE-SR(Product ID: CS8AP1SL)

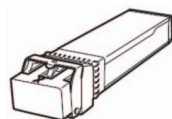☐ Quad Port SFP+ 10GBASE card (x 1)

☐ Fibre Channel cable (x 4)
Dual LC <==> Dual LC (5m)

☐ 10GBASE-SR SFP+ (x 4)

    *1: The cables are installed in the controller before shipment.

ETERNUS CS800 M1 Scale HBA, 4×10GBASE-CR (Product ID: CS8AS1C) [*1]
ETERNUS CS800 M1 Enterprise HBA, 4×10GBASE-CR (Product ID: CS8AP1C) [*1]
ETERNUS CS800 M1 Scale HBA, 4×10GBASE-CR (Product ID: CS8AS1CL)
ETERNUS CS800 M1 Enterprise HBA, 4×10GBASE-CR (Product ID: CS8AP1CL)

☐ Quad Port SFP+ 10GBASE card (x 1)

☐ Twinax cable (5m) (x 4)

*1: The cables are installed in the controller before shipment.

ETERNUS CS800 M1 Scale HBA, 2×16GbFC (Product ID: CS8ASFC) [*1]
ETERNUS CS800 M1 Scale HBA, 2×16GbFC (Product ID: CS8ASFCL)

☐ Dual Port 16GbFC card (x 1)

☐ Fibre Channel cable (x 2)
   Dual LC <==> Dual LC (5m)

*1: The cables are installed in the controller before shipment.

ETERNUS CS800 M1 Enterprise HBA, 4×16GbFC (Product ID: CS8APFC) [*1]
ETERNUS CS800 M1 Enterprise HBA, 4×16GbFC (Product ID: CS8APFCL)

☐ Quad Port 16GbFC card (x 1)

☐ Fibre Channel cable (x 4)
Dual LC <==> Dual LC (5m)

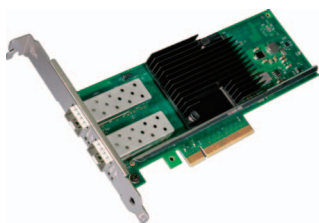*1: The cables are installed in the controller before shipment.

ETERNUS CS800 M1 Scale HBA, 2×25GBASE-SR (Product ID: CS8AS2S) [*1]
ETERNUS CS800 M1 Enterprise HBA, 2×25GBASE-SR (Product ID: CS8AP2S) [*1]
ETERNUS CS800 M1 Scale HBA, 2×25GBASE-SR (Product ID: CS8AS2SL)
ETERNUS CS800 M1 Enterprise HBA, 2×25GBASE-SR(Product ID: CS8AP2SL)
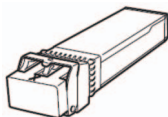
☐ Quad Port SFP+ 25GBASE card (x 1)

☐ Fibre Channel cable (x 2)
Dual LC <==> Dual LC (5m)

☐ 25GBASE-SR SFP+ (x 2)

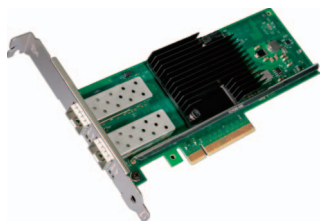*1: The cables are installed in the controller before shipment.

ETERNUS CS800 M1 Scale HBA, 2×25GBASE-CR (Product ID: CS8AS2C) [*1]
ETERNUS CS800 M1 Enterprise HBA, 2×25GBASE-CR (Product ID: CS8AP2C) [*1]
ETERNUS CS800 M1 Scale HBA, 2×25GBASE-CR (Product ID: CS8AS2CL)
ETERNUS CS800 M1 Enterprise HBA, 2×25GBASE-CR (Product ID: CS8AP2CL)

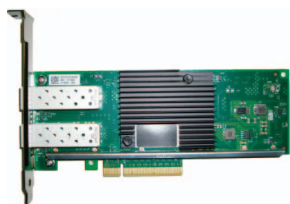☐ Quad Port SFP+ 25GBASE card (x 1)

☐ 25G DAC cable (5m) (x 2)

*1: The cables are installed in the controller before shipment.

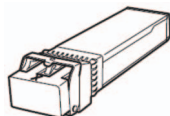**ETERNUS CS800 M1 Entry HBA, 2×10GBASE-SR (Product ID: CS8AE1SL)**

☐ Quad Port SFP+ 10GBASE card (x 1)

☐ Fibre Channel cable (x 2)
   Dual LC <==> Dual LC (5m)

☐ 10GBASE-SR SFP+ (x 2)

P3AG-5142-04EN

ETERNUS CS800 M1 Entry HBA, 2×10GBASE-CR (Product ID: CS8AE1CL)

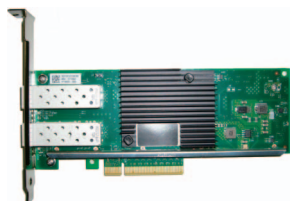☐ Quad Port SFP+ 10GBASE card (x 1)   ☐ Twinax cable (5m) (x 2)

ETERNUS CS800 M1 Entry HBA, 2×10GBASE-T (Product ID: CS8AE1TL)

☐ Quad Port SFP+ 10GBASE card (x 1)   ☐ LAN cable (x 4)
RJ45 <==> RJ45 (7.6m)
CAT6a

ETERNUS CS800 M1 Entry Upgrade 4TB (Product ID: CS8AE4TU) [*1]
ETERNUS CS800 M1 Scale Upgrade 18TB (Product ID: CS8AS18U) [*1]
ETERNUS CS800 M1 Enterprise Upgrade 51TB (Product ID: CS8AP51U) [*1]
ETERNUS CS800 M1 Entry Upgrade 4TB (Product ID: CS8AE4TUL)
ETERNUS CS800 M1 Scale Upgrade 18TB (Product ID: CS8AS18UL)
ETERNUS CS800 M1 Enterprise Upgrade 51TB (Product ID: CS8AP51UL)

☐ License sheet (x 1) (*2)

*1: A license is installed in the system before shipment.
*2: Provided only for the field upgrade option (products with "-L" at the end of the product ID).

P3AG-5142-04EN

ETERNUS CS800 M1 Scale Upgrade 16TB (Product ID: CS8AS16U) [*1]
ETERNUS CS800 M1 Scale Upgrade 16TB (Product ID: CS8AS16UL)

☐ HDD (x 6) (*2)

☐ License sheet (x 1) (*2)

*1: HDDs and licenses are installed in the controller before shipment.
*2: Provided only for the field upgrade option (products with "-L" at the end of the product ID).

ETERNUS CS800 M1 Scale Upgrade 18TB DISC 1 (Product ID: CS8ASD1U) [*1]
ETERNUS CS800 M1 Scale Upgrade 18TB DISC 2 (Product ID: CS8ASD2U) [*1]
ETERNUS CS800 M1 Scale Upgrade 18TB DISC 3 (Product ID: CS8ASD3U) [*1]
ETERNUS CS800 M1 Scale Upgrade 18TB DISC 1 (Product ID: CS8ASD1UL)
ETERNUS CS800 M1 Scale Upgrade 18TB DISC 2 (Product ID: CS8ASD2UL)
ETERNUS CS800 M1 Scale Upgrade 18TB DISC 3 (Product ID: CS8ASD3UL)

☐ Disk cabinet (x 1)   ☐ Bezel (x 1)

☐ Rack mount kit (x 1 set)

    ☐ Rack rail (x 1 set)

    ☐ Velcro strap (x 2)

☐ SAS cable (x 2)
mini SAS HD (1m)

☐ License sheet (x 1) (*2)

☐ RAID card (x 1) (*3) (*5)

☐ Memory module (x 6) (*3) (*4) (*5)

☐ SSD (x 1) (*4) (*5)

☐ AC100V power cable (x2)
    IEC320-C13 <==> NEMA 5-15P (1.8m)
☐ AC200V power cable (x2)
    IEC320-C13 <==> IEC320-C14 (1.8m)

*1: A license is installed in the system before shipment.
*2: Provided only for the field upgrade option (products with "-L" at the end of the product ID).
*3: Provided only for Scale Upgrade (18TB, SED) 1 or Scale Upgrade (18TB) 1.
*4: Provided only for Scale Upgrade (18TB, SED) 3 or Scale Upgrade (18TB) 3.
*5: In some cases, modules are installed in the controller before shipment.

ETERNUS CS800 M1 Enterprise Upgrade 51TB DISC 1 (Product ID: CS8APD1U)[*1]
ETERNUS CS800 M1 Enterprise Upgrade 51TB DISC 2 (Product ID: CS8APD2U)[*1]
ETERNUS CS800 M1 Enterprise Upgrade 51TB DISC 1 (Product ID: CS8APD1UL)
ETERNUS CS800 M1 Enterprise Upgrade 51TB DISC 2 (Product ID: CS8APD2UL)

☐ Disk cabinet (x 1)

☐ Rack mount kit (x 1 set)

    ☐ Rack rail (x 1 set)

    ☐ Velcro strap (x 2)

    ☐ Washer (x 2)   ☐ M5 flat head screw (x 2)

☐ License sheet (x 1) (*2)

☐ SAS cable (x 2)
   mini SAS HD (1m)

☐ Memory module (x 12) (*3) (*4)

☐ SSD (x 11) (*3) (*4)

☐ AC100V power cable (x2)
   IEC320-C13 <==> NEMA 5-15P (1.8m)
☐ AC200V power cable (x2)
   IEC320-C13 <==> IEC320-C14 (1.8m)

    *1: A license is installed in the system before shipment.
    *2: Provided only for the field upgrade option (products with "-L" at the end of the product ID).
    *3: Provided only for Scale Upgrade (18TB, SED) 1 or Scale Upgrade (18TB) 1.
    *4: In some cases, modules are installed in the controller before shipment.

ETERNUS CS800 M1 Scale DAE License (Product ID: CS8ASDAU)[*1]
ETERNUS CS800 M1 Scale DAE License 1 (Product ID: CS8ASA1UL)
ETERNUS CS800 M1 Scale DAE License 2 (Product ID: CS8ASA2UL)
ETERNUS CS800 M1 Scale VEEAM License (Product ID: CS8ASVMU)[*1]
ETERNUS CS800 M1 Scale VEEAM License 1 (Product ID: CS8ASV1UL)
ETERNUS CS800 M1 Scale VEEAM License 2 (Product ID: CS8ASV2UL)

☐ License sheet (x 1) (*2)

☐ Memory module (x 6) (*3)

   *1: A license is installed in the system before shipment.
   *2: Provided only for the field upgrade option (products with "-L" at the end of the product ID).
   *3: Provided only for the field upgrade option (products with "-2L" at the end of the product ID).

ETERNUS CS800 M1 Scale ISC Memory (Product ID: CS8ASRM)
ETERNUS CS800 M1 Scale ISC Memory (Product ID: CS8ASRML)

☐ Memory module (x 6) (*1)

   *1: In some cases, modules are installed in the controller before shipment.
        Note that they may not be provided depending on the system configuration.

ETERNUS CS800 M1 Enterprise DAE License (Product ID: CS8APDAU) [*1]
ETERNUS CS800 M1 Enterprise DAE License (Product ID: ECS8APDAUL)
ETERNUS CS800 M1 Enterprise VEEAM License (Product ID: CS8APVMU) [*1]
ETERNUS CS800 M1 Enterprise VEEAM License (Product ID: CS8APVMUL)
ETERNUS CS800 M1 Enterprise DAE Support Service (Product ID: CS8PDASU) [*1]
ETERNUS CS800 M1 Enterprise DAE Support Service (Product ID: CS8PDASUL) [*1]

☐ License sheet (x 1) (*2)

   *1: A license is installed in the system before shipment.
   *2: Provided only for the field upgrade option (products with "-L" at the end of the product ID).

P3AG-5142-04EN

ETERNUS CS800 M1 Scale Multi Protocol License (Product ID: CS8ASMPUL)

☐ License sheet (x 1)

☐ Dual Port 16GbFC card (x 1)

☐ Fibre Channel cable (x 2)
Dual LC <==> Dual LC (5m)

AC 100V/200V Power Cable (Product ID: CS8AAC1U)
AC 100V/200V Power Cable (Product ID: CS8AAC2U)
AC 100V/200V Power Cable (Product ID: CS8AAC3U)
AC 100V/200V Power Cable (Product ID: CS8AAC4U)
AC 100V Power Cable (Product ID: CS8AAC5U)
AC 200V Power Cable (Product ID: CS8AAC6U)
AC 100V/200V Power Cable (Product ID: CS8AAC1UL)
AC 100V/200V Power Cable (Product ID: CS8AAC2UL)
AC 100V/200V Power Cable (Product ID: CS8AAC3UL)
AC 100V/200V Power Cable (Product ID: CS8AAC4UL)
AC 100V Power Cable (Product ID: CS8AAC5UL)
AC 200V Power Cable (Product ID: CS8AAC6UL)

☐ Power Cable (x 2)

Related Constitutions

● Applicable Environment

The ETERNUS CS800 was designed and manufactured for general office use, with user safety in mind. When using the ETERNUS CS800, follow the handling instructions, and the placement and cautionary notes listed in the manuals. If used beyond the limits described, the users may be at risk of personal injury and/or material damage.

● Using the Manuals

The manuals for the ETERNUS CS800 contain important information regarding safe usage.

Please read the manuals carefully before using the ETERNUS CS800. Pay special attention to "Safety Precautions", and understand the contents thoroughly before connecting.

Keep the manuals in a safe place for future reference.

Fujitsu pays careful attention to the safe use of its products to prevent user injury and/or material damage. To use the ETERNUS CS800 properly, please follow the instructions in the manuals.

● Maintenance support period

The standard maintenance support period for the ETERNUS CS800 is five years from the date of purchase, or is defined in your service level agreement (SLA).
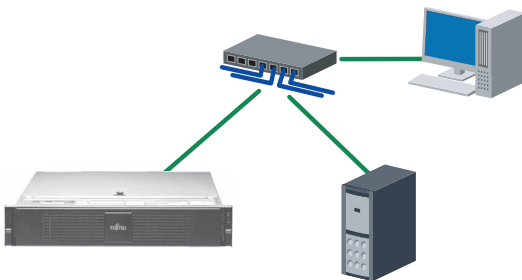
● Maintenance

Do not attempt to repair the ETERNUS CS800 by yourself. Ask Fujitsu to dispatch one of its maintenance engineers or a maintenance engineer authorized by Fujitsu for maintenance work.

Note that our maintenance engineer may connect maintenance equipment (such as PCs) in order to diagnose the ETERNUS CS800.

Maintenance engineers use one of the following connection for maintenance.

- Connection between an ETERNUS CS800 and a customer's PC via a network

- Direct connection between an ETERNUS CS800 and a customer's PC

- Direct connection between an ETERNUS CS800 and a management PC (FST)

● Compliance Standards

EMC/Safety	47 CFR part 15 Class A
	CNS 13438 Class A
	CISPR 22 Class A
	CISPR 24 Class A
	EN 55022 Class A
	EN 55024
	EN 60590-1
	EN 61000-3-2
	EN 61000-3-3
	IEC 60590-1
	ICES-003 Class A
	VCCI V-3/2000 Class A
	AS/NZS 3548 Class A
	KN22 Class A
	KN24
	UL 60590-1
Immunity Tests	IEC 61000-4-2 (Ed. 2.0 2008-12) - Electrostatic Discharge (ESD)
	IEC 61000-4-3 (Ed. 3.1 2008-04) - Radiated RF Immunity
Standards:	IEC 61000-4-4 (Ed. 2.0 2004-07) - Electrical Fast Transient/Burst
EN55024: 1998	IEC 61000-4-5 (Ed. 2.0 2005-11) - Surge Immunity
+A1: 2001	IEC 61000-4-6 (Ed. 2.2 2006-05) - Conducted RF Immunity
+A2:2003	IEC 61000-4-8 (Ed. 1.1 2001-03) - Magnetic Field
KN24	IEC 61000-4-11 (Ed. 2.0 2004-03) - AC Dips and Interrupts

This Product is designed, developed and manufactured as contemplated for general use, including without limitation, general office use, personal use, household use, and ordinary industrial use, but is not designed, developed and manufactured as contemplated for use accompanying fatal risks or dangers that, unless extremely high safety is secured, could lead directly to death, personal injury, severe physical damage or other loss (hereinafter "High Safety Required Use"), including without limitation, nuclear reaction control in nuclear facility, air craft flight control, air traffic control, mass transport control, medical life support system, missile launch control in weapon system. You shall not use this Product without securing the sufficient safety required for the High Safety Required Use. If you wish to use this Product for High Safety Required Use, please consult with our sales representatives in charge before such use.

The following notice is for EU users only.
WARNING: This is a product which meets Class A of EN55022. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

The following notice is for USA users only.
This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Laser Standard
Class 1M laser product

电子信息产品生产者（生产者）：FUJITSU LIMITED

这标记是按照 2016 年 1 月 21 日公布的[电器电子产品有害物质限制使用管理办法]以及 SJ/T11364[电子电气产品有害物质限制使用标识要求]在中国销售的电器电子产品的环保使用期限。如遵守关于这产品的安全或使用上的注意，在这期限内（从生产日期起算）不会因产品中的有害物质漏到外部、或发生突然变异，而引起环境污染和对人体或财产的重大影响。

有害物质元素名称及其含量及部件

部件名称	有害物质					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
存储设备	×	○	○	○	○	○
硬盘	○	○	○	○	○	○
主机转接器	×	○	○	○	○	○
电缆	○	○	○	○	○	○

本表格依裾 SJ/T11364 的规定编制

○：表示该有害物质在该部件所有均质材料中的含量均在 GB/T26572 规定的限量要求以下。

×：表示该有害物质至少在该部件的某一均质材料中的含量超出 GB/T26572 规定的限量要。

P3AG-5142-04EN