

**Dual Channel LAN Card (10G BASE)**

(MC-0JXE61,MC-0JXE62,MCX0JXE61)

**Dual Channel LAN Card (10G BASE-T)**

(MC-0JXE71,MC-0JXE72,MCX0JXE71)

# Configuration Sheet (UEFI) - Hardware Settings -

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## ■ Notation

Refer below table for notations in this document.

Product Name	Notation
Dual Channel LAN Card (10G BASE)	LAN Card
Dual Channel LAN Card (10G BASE-T)	LAN Card
Multichannel Mode	UMC (Universal MultiChannel mode)

## ■ Firmware

This document describes the configurations of the LAN card whose firmware version is 10.6.193.1501/10.6.193.23.

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## A. Selection of LAN Card

In MMB Power Control Menu, select "Force boot into EFI Boot Manager" and set it into the Boot Selector of your partition and power it on.

As EFI is started and then EFI Boot Manager is opened, select [Device Manager] in the menu and open it, and identify the LAN cards on the Device Manager.

Dual Channel LAN Card (10G BASE) and Dual Channel LAN Card (10G BASE-T) is displayed on the Devices List as below.

Emulex 10G NIC: Bus: Dev: Func xx:xx:xx - 00:xx:xx:xx:xx:xx  
("xx" part has any value.)

Select the LAN card with the bus number and start it. Then, [Emulex NIC Selection] menu of the card is started.

For the bus number of the LAN card, see PCI-Express Slots \*1 of the IOU on which the LAN card mounted.

\*1 : Bus number is displayed as hexadecimal.

You see the LAN Cards on [Emulex NIC Selection] menu as table below.

Dual Channel LAN Card (10G BASE)	Emulex OneConnect OCe14102-NX 10Gb 2-Port SFP+ PCIe 3.0 Ethernet Adapter
Dual Channel LAN Card (10G BASE-T)	Emulex OneConnect OCe14102B-NT 10GbaseT 2-Port RJ45 PCIe 3.0 Ethernet Adapter

### ■ Devices List Menu

Record configurations of the LAN cards into the sheet below, making copies of the sheet below as many as the LAN cards mounted on your system.

Record the modified value into the "Selected LAN Card" column, if you change configuration of the LAN card.

LAN Card	Selected LAN Card
Emulex 10G NIC: Bus: Dev: Func xx:xx:0 - 00:xx:xx:xx:xx:xx	Bus [   ] Dev [   ] Func 0
Emulex 10G NIC: Bus: Dev: Func xx:xx:1 - 00:xx:xx:xx:xx:xx	Bus [   ] Dev [   ] Func 1

\* Func 0/1 correspond to Port 0/1 of the LAN card respectively.

## B. Configuration Sheet of Emulex NIC Selection

Record configurations of the LAN card into the sheet below, making copies of the sheet below as many as the LAN cards mounted on your system.

Put "✓" mark into "( ) Using Default Setting" unless you change configuration from default setting.

Put "✓" mark into "( )" in Setting Value column of the sheet below if you change configuration from default setting.

### B.1 Case that Func 0 is selected

#### ■ Emulex NIC Selection Menu

( ) Using Default Setting

Setting Items	Default Setting	Setting Values
Firmware Version	: 10.6.193.1501 *2	
IPL Version	: CS2NExx0	
Bus:Device:Function	: xx:xx:0	
Link Speed	: Link Up	
Multichannel Mode *1	: <input type="text" value="Disable"/>	( )Disable ( )Enable

\*1: If you set [Enable] into [MultiChannel Mode], [NIC Configuration] Menu is not displayed.

\*2: The current firmware version is displayed here. You may use 10.6.193.1501 or 10.6.193.23.

### B.2 Case that Func 1 is selected

#### ■ Emulex NIC Selection Menu

( ) Using Default Setting

Setting Items	Default Setting	Setting Values
Firmware Version	: 10.6.193.1501 *2	
IPL Version	: CS2NExx0	
Bus:Device:Function	: xx:xx:1	
Link Speed	: Link Up	
Multichannel Mode *1	: <input type="text" value="Disable"/>	( )Disable ( )Enable

\*1: If you set [Enable] into [MultiChannel Mode], [NIC Configuration] Menu is not displayed.

\*2: The current firmware version is displayed here. You may use 10.6.193.1501 or 10.6.193.23.

### C. Controller Configuration (non UMC) Sheet

Set [Disable] into [Multichannel Mode] on Emulex NIC Selection Menu.

**【Caution】** In any menu, Select [Save Configuration] or [Save] and enter it if you make any change.

### C.1 Case that Func 0 is selected

At first, set Personalities of the LAN cards.

**【Caution】** Be sure to reboot the partition if you change Personalities of the LAN cards.

## ■ Personality Menu

### ( ) Using Default Settings

Setting Items	Default Settings	Setting Values
Personality Selection	NIC	( )NIC ( )NIC+RoCE ( )Custom
NIC+ROCE *1	ROCE-2	( )ROCE-1 ( )ROCE-2
Function 0 *2	NIC	

\*1: This is displayed when [NIC+RoCE] is set into [Personality Selection].

\*2: This is displayed when [Custom] is set into [Personality Selection].

## ■ Controller Configuration Menu

■ View Configuration SubMenu

Displayed Items		Notes
Function 0 - NIC:		
Permanent MAC	00:xx:xx:xx:xx:xx	
Current MAC	00:xx:xx:xx:xx:xx	
Logical Link Status	Link Up	
SRIOV *1	Disabled	

\*1: [Enabled] is displayed when [Enable] is set on [Configure SRIOV] menu.

## ■ Configure SRIOV SubMenu

( ) Using Default Settings

Setting Items	Default Settings	Setting Values
Function 0	Disable	( )Disable ( )Enable
NIC Mode *1	NIC Only Profile	( )NIC Only Profile ( )NIC - ETS Disabled

\*1: This is displayed when Dual Channel LAN Card (10G BASE) is selected.

## ■NIC Configuration Menu

### ( ) Using Default Settings

Setting Items	Default Settings	Setting Values
Virtual LAN Mode	Disable	( )Disable ( )Enable
Virtual LAN ID *1	1 (1-4094)	[ ]
Virtual LAN Priority *1	0 (0-7)	[ ]

\*1: You can change the value of these items when [Enable] is set into [Virtual LAN Mode].

### C.2 Case that Func 1 is selected

At first, Set Personalities of the LAN cards.

**【Caution】** Be sure to reboot the partition if you change Personalities of the LAN cards.

## ■ Personality Menu

### ( ) Using Default Settings

Setting Items	Default Settings	Setting Values
Personality Selection NIC+ROCE *1 Function 1 *2	<div style="border: 1px dashed black; padding: 2px;">NIC</div> <div style="border: 1px dashed black; padding: 2px;">ROCE-2</div> NIC	( )NIC ( )NIC+RoCE ( )Custom ( )ROCE-1 ( )ROCE-2

\*1: This is displayed when [NIC+RoCE] is set into [Personality Selection].

\*2: This is displayed when [Custom] is set into [Personality Selection].

## ■ Controller Configuration Menu

### ■View Configuration SubMenu

Displayed Items		Notes
Function 1 - NIC:		
Permanent MAC	00:xx:xx:xx:xx:xx	
Current MAC	00:xx:xx:xx:xx:xx	
Logical Link Status	Link Up	
SRIOV *1	Disabled	

\*1: [Enabled] is displayed when [Enable] is set on [Configure SRIOV] menu.

## ■ Configure SRIOV SubMenu

### ( ) Using Default Settings

Setting Items	Default Settings	Setting Values
Function 1	Disable	( )Disable ( )Enable
NIC Mode *1	NIC Only Profile	( )NIC Only Profile ( )NIC - ETS Disabled

\*1: This is displayed when Dual Channel LAN Card (10G BASE) is selected.

## ■NIC Configuration Menu

### ( ) Using Default Settings

Setting Items	Default Settings	Setting Values
Virtual LAN Mode	Disable	( )Disable ( )Enable
Virtual LAN ID *1	1 (1-4094)	[ ]
Virtual LAN Priority *1	0 (0-7)	[ ]

\*1: You can change the value of these items when [Enable] is set into [Virtual LAN Mode].

# D. Controller Configuration (UMC) Sheet

Set [Enable] into [Multichannel Mode] on Emulex NIC Selection Menu.  
You can not set [Enable] into [Multichannel Mode], when [Enable] is set into [Configure SRIOV] or [NIC+RoCE] is set into [Personality Selection].

[Caution] In any menu, Select [Save Configuration] or [Save] and enter it if you make any change.

## D.1 Case that Func 0 is selected

At first, set Personalities of the LAN card.  
[Caution] Be sure to reboot the partition if you change Personalities of the LAN cards.

### ■ Personality Menu

( ) Using Default Settings

Setting Items	Default Settings	Setting Values
Personality Selection	NIC	( )NIC ( )Custom
Function 0 *1	NIC	
Function 2 *1	NIC	( )NIC ( )NONE
Function 4 *1	NIC	( )NIC ( )NONE
Function 6 *1	NIC	( )NIC ( )NONE
Function 8 *1	NONE	( )NIC ( )NONE
Function 10 *1	NONE	( )NIC ( )NONE
Function 12 *1	NONE	( )NIC ( )NONE
Function 14 *1	NONE	( )NIC ( )NONE

\*1: This line is displayed when [Custom] is set into [Personality Selection].

## ■ Controller Configuration Menu

### ■ View Configuration SubMenu

Displayed Items		Notes
Function 0 - NIC:		
Permanent MAC	00:xx:xx:xx:xx:xx	
Current MAC	00:xx:xx:xx:xx:xx	
Logical Link Status	Link Up	
Bandwidth	yy% - yy%	The value set into [Configure Bandwidth] is displayed.
LPVID	zz	The value set into [Configure LPVID] is displayed.
Function 2 - NIC: *1		
Permanent MAC	00:xx:xx:xx:xx:xx	
Current MAC	00:xx:xx:xx:xx:xx	
Logical Link Status	Link Up	
Bandwidth	yy% - yy%	The value set into [Configure Bandwidth] is displayed.
LPVID	zz	The value set into [Configure LPVID] is displayed.
Function 4 - NIC: *1		
Permanent MAC	00:xx:xx:xx:xx:xx	
Current MAC	00:xx:xx:xx:xx:xx	
Logical Link Status	Link Up	
Bandwidth	yy% - yy%	The value set into [Configure Bandwidth] is displayed.
LPVID	zz	The value set into [Configure LPVID] is displayed.
Function 6 - NIC: *1		
Permanent MAC	00:xx:xx:xx:xx:xx	
Current MAC	00:xx:xx:xx:xx:xx	
Logical Link Status	Link Up	
Bandwidth	yy% - yy%	The value set into [Configure Bandwidth] is displayed.
LPVID	zz	The value set into [Configure LPVID] is displayed.
Function 8 - NIC: *1		
Permanent MAC	00:xx:xx:xx:xx:xx	
Current MAC	00:xx:xx:xx:xx:xx	
Logical Link Status	Link Up	
Bandwidth	yy% - yy%	The value set into [Configure Bandwidth] is displayed.
LPVID	zz	The value set into [Configure LPVID] is displayed.
Function 10 - NIC: *1		
Permanent MAC	00:xx:xx:xx:xx:xx	
Current MAC	00:xx:xx:xx:xx:xx	
Logical Link Status	Link Up	
Bandwidth	yy% - yy%	The value set into [Configure Bandwidth] is displayed.
LPVID	zz	The value set into [Configure LPVID] is displayed.
Function 12 - NIC: *1		
Permanent MAC	00:xx:xx:xx:xx:xx	
Current MAC	00:xx:xx:xx:xx:xx	
Logical Link Status	Link Up	
Bandwidth	yy% - yy%	The value set into [Configure Bandwidth] is displayed.
LPVID	zz	The value set into [Configure LPVID] is displayed.
Function 14 - NIC: *1		
Permanent MAC	00:xx:xx:xx:xx:xx	
Current MAC	00:xx:xx:xx:xx:xx	
Logical Link Status	Link Up	
Bandwidth	yy% - yy%	The value set into [Configure Bandwidth] is displayed.
LPVID	zz	The value set into [Configure LPVID] is displayed.

\*1: This portion is displayed when [Custom] is selected on [Personality] menu and Function is set.

## ■ Configure Bandwidth SubMenu

( ) Using Default Settings

Setting Items	Default Settings	Setting Values
Configure Minimum Bandwidth		
Function 0	13%	[ ]
Function 2	13%	[ ]
Function 4	13%	[ ]
Function 6	13%	[ ]
Function 8	0%	[ ]
Function 10	0%	[ ]
Function 12	0%	[ ]
Function 14	0%	[ ]
Configure Maximum Bandwidth		
Function 0	100%	[ ]
Function 2	100%	[ ]
Function 4	100%	[ ]
Function 6	100%	[ ]
Function 8	0%	[ ]
Function 10	0%	[ ]
Function 12	0%	[ ]
Function 14	0%	[ ]

## ■ Configure LPVID Menu

( ) Using Default Settings

Setting Items	Default Settings	Setting Values
Function 0	0	[ ]
Function 2	0	[ ]
Function 4	0	[ ]
Function 6	0	[ ]
Function 8	0	[ ]
Function 10	0	[ ]
Function 12	0	[ ]
Function 14	0	[ ]



D.2 Case that Func 1 is selected

At first, set Personalities of the LAN cards.  
【Caution】 Be sure to reboot the partition if you change Personalities of the LAN cards.

■ Personality Menu

( ) Using Default Settings

Setting Items	Default Settings	Setting Values
Personality Selection	NIC	( )NIC ( )Custom
Function 1 *1	NIC	
Function 3 *1	NIC	( )NIC ( )NONE
Function 5 *1	NIC	( )NIC ( )NONE
Function 7 *1	NIC	( )NIC ( )NONE
Function 9 *1	NONE	( )NIC ( )NONE
Function 11 *1	NONE	( )NIC ( )NONE
Function 13 *1	NONE	( )NIC ( )NONE
Function 15 *1	NONE	( )NIC ( )NONE

\*1: This line is displayed when [Custom] is set into [Personality Selection].

## ■ Controller Configuration Menu

### ■ View Configuration SubMenu

Displayed Items		Notes
Function 1 - NIC:		
Permanent MAC	00:xx:xx:xx:xx:xx	
Current MAC	00:xx:xx:xx:xx:xx	
Logical Link Status	Link Up	
Bandwidth	yy% - yy%	The value set into [Configure Bandwidth] is displayed.
LPVID	zz	The value set into [Configure LPVID] is displayed.
Function 3 - NIC: *1		
Permanent MAC	00:xx:xx:xx:xx:xx	
Current MAC	00:xx:xx:xx:xx:xx	
Logical Link Status	Link Up	
Bandwidth	yy% - yy%	The value set into [Configure Bandwidth] is displayed.
LPVID	zz	The value set into [Configure LPVID] is displayed.
Function 5 - NIC: *1		
Permanent MAC	00:xx:xx:xx:xx:xx	
Current MAC	00:xx:xx:xx:xx:xx	
Logical Link Status	Link Up	
Bandwidth	yy% - yy%	The value set into [Configure Bandwidth] is displayed.
LPVID	zz	The value set into [Configure LPVID] is displayed.
Function 7 - NIC: *1		
Permanent MAC	00:xx:xx:xx:xx:xx	
Current MAC	00:xx:xx:xx:xx:xx	
Logical Link Status	Link Up	
Bandwidth	yy% - yy%	The value set into [Configure Bandwidth] is displayed.
LPVID	zz	The value set into [Configure LPVID] is displayed.
Function 9 - NIC: *1		
Permanent MAC	00:xx:xx:xx:xx:xx	
Current MAC	00:xx:xx:xx:xx:xx	
Logical Link Status	Link Up	
Bandwidth	yy% - yy%	The value set into [Configure Bandwidth] is displayed.
LPVID	zz	The value set into [Configure LPVID] is displayed.
Function 11 - NIC: *1		
Permanent MAC	00:xx:xx:xx:xx:xx	
Current MAC	00:xx:xx:xx:xx:xx	
Logical Link Status	Link Up	
Bandwidth	yy% - yy%	The value set into [Configure Bandwidth] is displayed.
LPVID	zz	The value set into [Configure LPVID] is displayed.
Function 13 - NIC: *1		
Permanent MAC	00:xx:xx:xx:xx:xx	
Current MAC	00:xx:xx:xx:xx:xx	
Logical Link Status	Link Up	
Bandwidth	yy% - yy%	The value set into [Configure Bandwidth] is displayed.
LPVID	zz	The value set into [Configure LPVID] is displayed.
Function 15 - NIC: *1		
Permanent MAC	00:xx:xx:xx:xx:xx	
Current MAC	00:xx:xx:xx:xx:xx	
Logical Link Status	Link Up	
Bandwidth	yy% - yy%	The value set into [Configure Bandwidth] is displayed.
LPVID	zz	The value set into [Configure LPVID] is displayed.

\*1: This portion is displayed when [Custom] is selected on [Personality] menu and Function is set.

## ■ Configure Bandwidth SubMenu

( ) Using Default Settings

Setting Items	Default Settings	Setting Values
Configure Minimum Bandwidth		
Function 1	13%	[ ]
Function 3	13%	[ ]
Function 5	13%	[ ]
Function 7	13%	[ ]
Function 9	0%	[ ]
Function 11	0%	[ ]
Function 13	0%	[ ]
Function 15	0%	[ ]
Configure Maximum Bandwidth		
Function 1	100%	[ ]
Function 3	100%	[ ]
Function 5	100%	[ ]
Function 7	100%	[ ]
Function 9	0%	[ ]
Function 11	0%	[ ]
Function 13	0%	[ ]
Function 15	0%	[ ]

## ■ Configure LPVID Menu

( ) Using Default Settings

Setting Items	Default Settings	Setting Values
Function 1	0	[ ]
Function 3	0	[ ]
Function 5	0	[ ]
Function 7	0	[ ]
Function 9	0	[ ]
Function 11	0	[ ]
Function 13	0	[ ]
Function 15	0	[ ]

## E. Error Report Sheet

[illegible]

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**Dual Channel LAN Card (10G BASE)  
(MC-0JXE61,MC-0JXE62,MCX0JXE61)  
Dual Channel LAN Card (10G BASE-T)  
(MC-0JXE71,MC-0JXE72,MCX0JXE71)**

**Configuration Sheet  
CA92344-0928-02**

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