

PCIe X8 Intel X710 Dual-SFP+ Fiber Server Converged NIC



USER Manual
EN ver2.0

Description

The Server adapter has a flexible 2 port 10GbE connection rate on a PCI Express V3.0 X8 slot, which is convenient for use in a use environment with multiple network requirements.

Specification

- Dual Port 10GbE server adapters
- PCI Express v3.0, 8.0 GT/s, x8 lanes
- SFP+ Connectivity
- PXE, iSCSI boot
- Network Virtualization
- IEEE 802.1q and 10G Ethernet specification compliance
- Data Plane Development Kit (DPDK) support
- Excellent small packet performance for network appliances and Network Functions

Virtualization (NFV)

- Low Profile and Full-Height bracket
- Drivers for Win10 / Win11 /Sever2008 / Sever 2012 / Linux / DOS

Package content

- 1 x SFP PCIe Network card
- 1 x User's Manual
- 1 x CD
- 1 x Low profile bracket
- **Accessories**



System Requirements

- FreeBSD, Linux , VMWare ESXi, Win-server2012/ Win-server2008/ Win-server2016/win10/11
- One available PCI Express x8 slot

Specification

Brand	Microconnect
Model	SE-LGIX710-BM2
Controller	Intel X710
Transmission Rate	10000Mbps
Network Standard Physical Layer Interfaces	10GBASE-SR, 10GBASE-LR
Jumbo Frame Support	Up to 9.5 KB
Operating Temperature	0°C to 85°C
Network Virtualization	VLAN, VLAN TAG, VXLAN, NVGRE, GENEVE,VLMB
LED Indicators	Link Yellow, 10Gb/s: Green blinking
Power Supply	PCI Express +12V±8%/+3.3V±9%
SYSTEM SUPPORT	Windows Server 2008 R2 / 2012 / 2012 R2 / 2016 R2
	Windows 10/11
	FreeBSD 11.0 or later
	Linux SLES 11 / 12 or later
	Linux Stable Kernel version 2.6.x/3.x/4.x or later
	VMware ESX/ESXi 5.x/6.x or later

Cabling Requirements:

Intel 10Gigabit adapters

- SFP+ Module Laser wavelength:850 nanometer (not visible)
- **LC Cable type:**
 - Multi-mode fiber with 50 micron core diameter, maximum length is 550 meters
 - Multi-mode fiber with 62.5 micron core diameter, maximum length is 275 meters
 - Connector type: LC
- SFP+ Module laser wavelength:1310 nanometer(not visible)
- **LC Cable type:**

- Multi-mode fiber with 9 micron core diameter, maximum length is 3K meters
- **10 Gigabit Ethernet over SFP+ Direct Attached cable(Twinaxial)**
 - Length 10 meters max.

Hardware installation

1. Turn off the computer and unplug the power cord
2. Remove the computer cover and the adapter slot cover from the slot that matches your adapter
3. Insert the adapter edge connector into the slot and secure the bracket to the chassis
4. Replace the computer cover ,then plug in the power cord
5. Power on the computer

Install Drivers and software

Windows[®] Operating Systems

You must have administrative rights to the operating system to install the drivers.

1. insert the CD driver bound with Intel network driver into your CD-ROM drive(also you can download the latest drivers from):
2. if the Found New Hardware Wizard screen is displayed, click **Cancel**
3. start the autorun located in the software package, the autorun may automatically start after you have extracted files.
4. Click **install Drivers and Software**
5. Follow the instructions in the install wizard to finish it.

Installing Linux Drivers from Source Code

1. Download and expand the base driver tar file.
2. Compile the driver module.
3. Install the module using the modprobe command.
4. Assign an IP address using the ifconfig command.

Support

More information and settings, please refer to the Intel Adapter User Guides or you can contact us.