SFP PCIe Network card

NEXT-351SFP-1G

USER Manual
EN ver2.0

Description

PCI Express 1X Network adapter specially designed to setup a long-distance link with a file server or a remote workstation. Compatible with a Multi-mode Gigabit 1000SX transceiver for fiber connection up to a 500-meter distance or a Single Mode Gigabit 1000LX/ WDM transceiver for fiber connection up to a longer distance (kms).

Specification

- PCI-Express 1.1 form factor- 1 x 2.5Gbps line
- SFP slot supporting the following transceivers: Mini GBiC
- 1000SX Multi mode, 1000LX Single mode, 1000BX Single mode WDM
- Chipset: WGI210AS
- Layer 2 functions: IEEE 802.3x Flow Control - IEEE 802.1q VLAN
- Supports Receive-side scaling (RSS)
- Supports IPv 4, IPv 6 protocols
- Supports Jumbo Frames up to 9K
- Supports Checksum offloading
- Drivers for Win7 / Win8 / Win10 / Vista / 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, Win7/ Win-server2012/ Win-server2008/ Win8/Win8.1/Win-server2016/win10

- One available PCI Express x1 slot

Cabling Requirements:

Intel 1 Gigabit 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

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 support website):
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.