MiniPCIE Intel I210 Single-SFP Fiber Server NIC



P/N.: MC-MINIPCIE-I210

USER Manual

EN ver2.0

Description

MiniPCIE Intel I210 SFP 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

- Compliant with PCI Express MINI card Electromechanical Specification 1.2
- Compliant with PCI Express base specification Revision1.1
- Compliant with PCI bus power management interface specification Revison1.2
- SFP slot supporting the following transceivers: Mini GBiC
- 1000SX Multi mode, 1000LX Single mode, 1000BX Single mode WDM
- Chipset: Intel 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 MINIPCIE Intel I210 SFP Network Adapter Main board
- 1 x MINIPCIE Intel I210 SFP Network Adapter daughter board
- 1 x SATA cable
- 1 x 9pin power cable
- 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 MINIPCIE 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 your computer and all external devices connected to it.
2. Open the computer case. Refer to your computer user manual for more details
3. Find an available Mini PCIe slot and remove the slot bracket, Save the bracket screw for later use.
4. Insert the main card to the Mini PCIe slot firmly and evenly ,Take care not to force it into the slot. Once you have properly positioned the main card into the slot, secure it with the screw you have just saved.
5. Connect the SATA cable and POWER cable between the main card and the

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daughter card.

6. Find an empty expansion slot on the back panel of the computer case and remove the metal bracket. Save the bracket for later use.
7. Place the bracket of the daughter card on the expansion slot on the back panel and secure it with the bracket screw you have just saved.
8. Connect the system to network by inserting the SFP module into SFP Port on the daughter card.
9. Secure the computer case and switch on your computer.

Install Drivers and software

Windows○,R 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

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

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