PCIe Intel I350 Dual-SFP Gigabit Fiber Server NIC



P/N.: MC-PCIEX4-I350-F2

USER Manual

EN ver2.0

Description

The new Intel® Ethernet Server Adapter I350 family builds on Intel's history of excellence in Ethernet products. Intel continues its market leadership with this new generation of PCIe* GbE network adapters. Built with the bridgeless Intel® Ethernet Controller I350, these adapters represent the next step in the Gigabit Ethernet (GbE) networking evolution for the enterprise and data center by introducing new levels of performance through industry-leading enhancements for both virtualized and iSCSI Unified Networking environments. This new family of adapters also includes new power management technologies such as Energy Efficient Ethernet (EEE) and DMA Coalescing (DMAC).

Specification

- Halogen-free dual- or quad-port Gigabit Ethernet adapters with copper or fiber interface options
- Innovative power management features including Energy Efficient Ethernet (EEE) and DMA Coalescingfor increased efficiency and reduced power consumption
- Flexible I/O virtualization for port partitioning and quality of service (QoS) of up to 32 virtual ports
- Scalable iSCSI performance delivering cost-effective SAN connectivity
- High-performing bridgeless design supporting PCI Express* Gen 2.1 5GT/s
- Reliable and proven Gigabit Ethernet technology from Intel Corporation

Controller	Intel NHI350AM2
Transmission rate per port	1000Mbps
Network Standard Physical Layer Interfaces	1000BASE-SX: 275 m at 62.5 µm; 550 m at 50 µm
	1000BASE-LX: 10Km at 9µm
Jumbo Frame Support	Up to 9.5 KB
Operating Temperature	0 °C to 55 °C (32 °F to 131 °F)
Boot Option and Virtualization	PXE support, Intel® VT-c
LED Indicators	Link/Activity LED: Off = No Link; On = Link; Blinking = Activity
Power supply	PCI Express +12V±8% / +3.3V±9%
Operating System	Windows Server 2003 / 2008 /2008 R2 / 2012 /2012 R2 /2016 R2
	Windows XP / Vista / 7 / 8 / 8.1 / 10
	Linux Stable Kernel version 2.4.x / 2.6.x / 3.x / 4.x or later
	Linux SLES 10 / 11 or later/FreeBSD 7.x and later/
	VMware ESX/ESXi 4.x/5.x/6.x or later
	UnixWare / Open Unix 8 /Sun Solaris x86 / VMware

Package content

- 1 x SFP+ PCIe Network card
- 1 x User's Manual
- 1 x CD Driver
- 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 x4/x8/x16 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

   Note: select the correct slot, some systems have physical X8 PCI Express slots that actually only support lower speeds. Please check your system manual to identify the slot

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.