PCIe Intel I350-T8 Eight-Port Server Network Card



P/N.: MC-PCIEX4-I350-T8
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

- PCI-Express host interface specification v2.1 with 5GT/s Bus width
- PCI-Express interface: x4
- Onboard with eight 1GbE RJ45 port
- Complies with the IEEE802.3ab, IEEE802.3u and IEEE802.3 specifications
- Half duplex at 10/100Mbp operation and full duplex operation at all supported speeds
- Layer 2 functions: IEEE 802.3x Flow Control - IEEE 802.1q VLAN
- Supports Receive-side scaling (RSS)
- Supports IPv4, IPv6 protocols
- Supports Jumbo Frames up to 9.5K
- Supports UDP.TCP and IP Checksum offloading
- Statistics for management and RMON

- Support for virtual machines device queues
- Next Generation VMDq Support (8VMs)
- Interrupt throttling control to limit maximum interrupt rate and improve CPU usage
- Chipset: NHI350AM4*2
- Drivers support for FreeBSD, Linux, VMWare ESXi, Win7/ Win-server2012/ Win-server2008/ Win8/Win8.1/Win-server2016/win10/Win11

Product Name	PCIe x4 Intel i350 Eight-Port Server network card
Controller	Intel I350 AM4*2
Bus interface	PCIe2.1 x4(up to 20Gbps bus width)
Transmission Rate Per Port	10/100/1000 Mbps
Transmission media	copper
Network Standard Physical Layer Interfaces	10BASE-T Cat3/4/5/5E/6:100m most
	100BASE-Tx Cat5/5E/6:100m most
	1000BASE-T Cat5E/6:100m most
Jumbo Frame Support	Up to 9.5 KB
Operating Temperature	0 °C to 55 °C (32 °F to 131 °F)
Storage temperature	-40°C to 70°C
Boot Option and Virtualization	PXE support, Intel® VT-c
LED Indicators	1000Mbps: LINK: Green state /ACT: Green Blinking
	100Mbps: LINK: Orange state / ACT: Green Blinking, 10Mbps: LINK: No Light /ACT: Green blinking
Power Supply	PCI Express +12V/+3.3V
System Support	Windows Server 2003 / 2008 /2008 R2 / 2012 /2012 R2 /2016 R2
	Windows 7 / 8 / 8.1 / 10/11
	Linux Stable Kernel version 2.4.x / 2.6.x / 3.x / 4.x or later
	Linux SLES 10 / 11 or later, FreeBSD, VMware esxi

Package content

- 1 x PCIe Intel I350-T8 Eight-Port Server 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
- Available PCI Express x4/x8/x16 slot

Cabling Requirements:

Intel 1 Gigabit adapters

- For 1000BASE-T OR 100BASE-TX.use Category 5 or Category5e wiring, twisted 4-pair copper:
  - Make sure you use Category 5 cabling that complies with the TIA-568 wiring specification For more information on this specification.
  - Length is 100 meters max.
  - Category 3 wiring supports only 10Mbps

  CAUTION: If using less than 4-pair cabling, you must manually configure the speed and duplex setting of the adapter and the link partner. In addition, with 2-and3-pair cabling the adapter can only achieve speeds of up to 100Mbps
  - For 100BASE-TX.use Category 5 wiring.
  - For10BASE-T.use Category 3 or 5wiring

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.