PCIe Intel I350AM2 Dual-RJ45 Gigabit Server NIC

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 ControllerI350, 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 Medium	Copper#UTP
Cable Type	1000Base-T Cat 5E / Cat6# Or Higher:Up#to 100m
	100Base-Tx Cat5/Cat 5E/ Cat6 Or Higher:Up#to 100m
	10Base-T Category 3/4/5/5E/6 Or Higher:Up#to 100m
Bracket	Low Profile#Bracekt#and Full-height Bracket
Power Dissipation (MAX)	2.0W
System requirements	Windows 7/8/8.1/10/ XP/ Vista
	Windows Server 2003 /2008 /R2/2012 /R2/2016 /R2
	Novell Netware 5.x/6.x or later
	Linux kernel version 2.4.x/2.6.x/3.x/4.x or later
	FreeBSD 7/8/9 or later
	Sun Solaris 9/10/11 or later
	VMware ESX/ESXi 4.x/5.x/6.x or later
Connector	2* RJ45
Bus	PCI Express v2.1 (5.0GT/s) x4, Compatible with PCIe x8 or x16
Data Rate Per Port	10Mbps/100Mbps/1000Mbps
Technical Parameters	
Ethernet power management	Yes
IEEE* 802.3 adaptive	Yes
Support adaptation rate	10BASE-T, 100BASE-TX, 1000BASE-T
IEEE Standard / Network topology	IEEE 802.3ab 1000BASE-T Gigabit Ethernet IEEE 802.3u 100base-TX，IEEE 802.3 az，IEEE 802.1Q VLAN IEEE 802.1ad
PCI-SIG * SR-IOV Support	Yes
Jumbo#frame#Support	Yes
VMDq	Yes
DPDK Support	Yes
PXE Support	Yes
iSCSI Support	Yes
WOL Support	Yes
FCoE Support	No
Environmental Parameters	

Operating Temperature	0 ℃ to 55 ℃ (32 ℉ to 131 ℉)
Storage Temperature	-40 ℃ to 70 ℃ (-40 ℉ to 158 ℉)
Storage humidity	35% to 90%,#non condensing
LED Indicators	
LED Indicators	1000Mbps:Link#Yellow+ Green blinking

Package content

- 1 x 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
- 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,with2-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○,ʀ 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.