levelone

GNC-0113

2.5-Gigabit PCIe Network Card, 1 x RJ45

User Guide



User Guide
EN ver2.01

Description

PCIe Intel I225 2.5G Network card adopts a high-performance network controller I225-V. This controller with Base-T copper networking interface, provides compact, single-port integrated multi-gigabit (up to2.5G) –MDI (Copper) standard IEEE802.3 Ethernet interface for 2500BASE-T, 1000BASE-T, 100BASE-TX, 10BASE-TE connections, and it can also support Intel vPro® technology on specific Intel platforms. It is designed for use on any mobile, desktop, workstation, value-server, or industrial designs that have critical space constraints.

Specification

- Compliant with PCI Express specification Revision 3.1 (5GT/s)
- MDI(Copper) standard IEEE802.3 Ethernet interface up to 2.5Gb/s
- Complies with single port 1GbE RJ45 port (copper)
- Complies with the MDI standard IEEE802.3 Ethernet interface for 2500BASE-T,1000BASE-T, 100BASE-TX, 10BASE-Te application (IEEE802.3bz, IEEE802.3ab, IEEE802.3u and IEEE802.3)
- IEEE802.3 Auto-negotiator
- IEEE802.3x and IEEE802.3z compliant flow control support with software-controllable RX thresholds and TX pause frames.
- Automatic cross-over detection function (MDI/MDI-X)
- IEEE 1588 Protocol and 802.1AS implementation
- Supporting Time Sensitive Networking (TSN) Capabilities
- Support IEEE802.3az-Energy Efficient Ethernet (EEE)
- Full Wake-On-Lan support
- TCP/UDP, IPv4 checksum offloads (Rx/Tx)
- Transmit Segmentation offloading (TSO)(IPv4, IPv6)
- Support for packets up to 9.5KB Jumbo Frames
- Drivers for Windows®10 32 or 64bit

Package content

- Quick Installation Guide
- User Guide
- Resource CD (Driver)
- Low Profile Bracket

System Requirements

- Microsoft Windows® 10 Version 1809 and later 32 or 64bit
- Available PCI Express x1/x4/x8/x16 slot

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

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.

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