10/100M Ethernet Network Interface Card

USER'S MANUAL

FCC COMPLIANCE STATEMENT

This equipment has been tested and found to comply with the limits of a Class B computing devices, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, used can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.
If you suspect this product is causing interference, turn your device on and off while your radio or TV is showing interference. If the interference disappears then when you turn the device off and reappears then you turn the device off and reappears then you turn the device on, something in the device is causing interference.

You can try to correct the interference by one or more of the following measures:

1. Reorient/Relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit difference from that to which the receivers connected.
4. Ensure that all expansion slots (on the back or side of the computer) are covered ， .Also ensure that all metal retaining brackets are tightly attached to the computer.

1.0 Introduction

This NIC is 32-bit 10/100Mbps Fast Ethernet Adapter series. It supports IEEE 802.3 10Base-T. IEEE802.3u 100Base-TX. And combines two transmission rate (10/100M) on one RJ-45 connector. This adapter supports bus Duplex function to connect to Switching Hub. Extensive drive support for commonly used network operating systems is available.

2.0 Features & Specifications

(1) Feature & Benefits

1. Compliant 66/33 MHz, 32-bit PCI V2.2 MAC/BIU supports data rates from 10Mb/s to 100 Mb/s. This allows support for traditional 10 Mb/s Ethernet or 100 Mb/s Fast Ethernet.
2. Complies with the IEEE 802.3 CSMA/CD, 100Base-TX and 10Base-T standard.
3. Full duplex design to double the performance to 20Mbps/200Mbps.
4. One shield connector for 100Mbps or 10Mbps network speed.
5. Support Auto –negotiation function.
6. Auto-setup IRQ and I/O address.
7. NDIS 4,5 driver for Microsoft Windows 95,98, Me, NT, 2000, Linux, and Netware ODI driver for Server, SCO UNIX, Solaris.
8. Provide LEDs to indicate network link.

(2) Technical Specification

- Topology : Star
- Connector : RJ-45
- Standard : IEEE 802.3 10Base-T
  IEEE 802.3u 100Base-TX
- Transmission Rate : 10Mbps or 20 Mbps
  100Mbps or 200Mbps
- Hardware Required : IBM compatible PC with available PCI Slot (PCI2.1/2.2), 66/33MHz, 32bit

- IRQ Line : Assigned by system
- I/O Address : Assigned by system
- Drivers : NDIS 4/5 for Windows 95/98/Me/NT/2000
  Linux, Netware 5.x, SCO UNIX, Solaris
- LEDs : LINK/ACT
- Temperature : 0℃ to 55℃(Operating)
- Humidity : 10% to 90% (Non-condensing)
- Certification : FCC Class B,CE Mark
- Power consumption : 3W (Max)

3.0 Installation

(1) Hardware Installation

To insert the network adapter into your PC, follow the steps bellow:

1. Turn off the computer and remove its cover.
2. Insert the adapter into a PCI slot.
3. Lock this adapter to the rear of the computer and put back the computer cover.
4. Connect the adapter to network using twisted-pair cable.

(2) Driver Installation

Use the drivers supplied by the diskette included in this product.

4.0 Trouble- shooting

If you experience any problems with the adapter, first make sure the appropriate driver is loaded, the proper cable is connected to the adapter port and the hub/switch complies with the adapter specification, such as 10Mbps 10Base-T, 100Mbps 100Base-TX. then check the LED.

The adapter provides LEDs to indicate network link.

- **LNK**

  The LED indicates if the UTP has been LINK ok or not. When the light is OFF, it indicates that the UTP port has not been connected or LINK not ok. When the light is ON, it indicates that the UTP port LINK ok.