



# Cardbus Gigabit Card

## CardBus Gigabit Ethernet Adapter

### User's Manual

**ΣDİMAX**

# **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, uses and 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 computer on and off while your radio or TV is showing interference. If the interference disappears then when you turn the computer off and reappears then you turn the computer on, something in the computer 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 receiver is 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.Introduction

Thanks you for purchasing our CardBus Gigabit Ethernet Adapter. This guide is to provide the installation and usage of this adapter for network installers and users.

The Gigabit Ethernet Card is a credit card size network adapter that connects a notebook to an IEEE 802.3/802.3u/802.3ad standard Ethernet network. This is designed for Type II and Type III CardBus-Compliant notebooks. This adapter take full advantage of the power of high performance, and 32-bit for CardBus architecture mobile PCs.

Full/half duplex operation is auto-detected. In full-duplex, the notebook is connected to a switch on a dedicated segment. With transmission and reception taking place simultaneously, data transfer is double.

Simply plug in this adapter to your notebook's CardBus slot. And your notebook PC will be up and running on the network. That's all you need to do. Not a tool is necessary, not a configuration setting is required.

This adapter can working with Windows 95, Windows 98/98se, Windows Me, Windows 2000, Windows XP and other popular Operation Systems. Whatever your requirements are ease of installation, superior performance or responsive support backed up by unlimited technical support, this adapter is the superior choice.

## **2.Features & Specifications**

### **(1) Features & Benefits**

- ▣ Automatically negotiates 10, 100 or 1000Mbps connection rate, depending on speed of the network.
- ▣ 32-bit CardBus Architecture brings the highest performance.
- ▣ Complies to PC Card 1995 CardBus Standards
- ▣ Provides full-duplex to enhance throughput.
- ▣ Switching design and software-configurable card setting.
- ▣ Compatible with all notebook PCs that comply with the PC Card standard.

## **(2) Technical Specification**

- Standards : IEEE 802.3 10BaseT, 802.3u 100BaseTX and IEEE802.3ad 1000BaseTX
- Connectors : RJ45 x 1
- Bus Width : 32-bit for CardBus
- PC Interface : 68-pin connector
- PC Card Spec :
  - PC Card 1995 CardBus Standards
- Media Coupler Interface : 15-pin flat connector
- LED : Speed, Link/Activity
- Driver Support :
  - Microsoft Windows 95/98/Me/2000/XP
- Temperature : 0 to 50°C
- Humidity : 10% to 90%
- Certification : FCC Class B, CE Mark

# 3.Installation

This chapter describes how to install your CardBus PC Card.

## (1) Hardware Installation

Step1. Hold the card label up and insert the card into the notebook's CardBus slot with the 68 pin connector facing the notebook.

Step2. Plug the 15-pin PC Card connector of the Media Coupler into the 15-pin socket on the PC Card. Now the hardware installation is completed. The PC Card is powered directly by the notebook.

Step3. Connect the RJ-45 connector of the Media Coupler to the 10/100/1000Mbps Hub/Switch of your LAN.

## (2) Software Installation

The drivers and utilities are supplied by the disk included in this product. Please refer to below instruction to process the installation

Example:

Installing driver procedure on Microsoft Windows XP:

Before you start with the installation process, make sure that your adapter should be properly installed in your PCI bus slot.

Executing Windows XP, it will auto-detect your system configuration and find the adapter hardware.

1. Insert the drive A and specify the setup file pathname A:\WinXP, then click "Next" button.

2. Windows will prompt the device information.

3. Click "Finish" button in the "Hardware Update Wizard" dialog box.

## 4. Trouble-Shooting

If you experience any problems with this PC Card, first make sure the appropriate driver is loaded, the proper cable is connected to the PC Card and the hub complies with the adapter specification, then check the LED.

This adapter provides two LEDs to indicate network status.

### **(1) 10M/100/1000M**

This LED indicates the connection speed of the PC Card. When the Light is OFF, it indicates that the 10Mbps UTP connection is established. When the Light is Green, it indicates that the 100Mbps Fast Ethernet connection is established. When the Light is Amber, it indicates that the 1000Mbps Ethernet connection is established

### **(2) Link/Activity**

The Link/Activity LED indicates that the 10/100Mbps UTP connection has been LINK OK or not. When the light is OFF, it indicates that the 10/100Mbps port has not been connected or LINK not OK. When the light is ON, it



indicates that the 10/10Mbps port connect OK. When the light is Blinking, it indicates that there is traffic flow on the network which the adapter is connected to.

