



**PCMCIA/CardBus**

**PCMCIA/CardBus  
10/100Mbps  
Fast Ethernet Adapter**

**EP-4101/EP-4103**

**User's Manual**

**ΣDIMAX**

# 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 EP-4101(PCMCIA) / EP-4103(CardBus) 10/100Mbps Fast Ethernet Adapter. This guide is to provide the installation and usage of this adapter for network installers and users.

The EP-4101/EP-4103 Fast Ethernet Card is a credit card size network adapter that connects a notebook to an IEEE 802.3/802.3u standard Fast Ethernet network. This is designed for Type II and Type III PCMCIA/CardBus-Compliant notebooks. This adapter take full advantage of the power of high performance, 16-bit (for PCMCIA) 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 PCMCIA/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, Windows NT 4.0 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

- Complies with IEEE 802.3 10BaseT and 802.3u 100BaseTX standards.
- Automatically negotiates 10 or 100Mbps connection rate, depending on speed of the network.
- 16-bit PCMCIA / 32-bit CardBus Architecture brings the highest performance.
- Complies to PCMCIA Release 2 type II Standards (for PCMCIA)
- Complies to PC Card 1995 CardBus Standards (for CardBus)
- Provides full-duplex to enhance throughput.
- Switchless design and software-configurable card setting.
- 3V low power consumption
- Compatible with all notebook PCs that comply with the PC Card standard.

## (2) Technical Specification

- Standards : IEEE 802.3 10BaseT and 802.3u 100BaseTX
- Connectors : RJ45 x 1
- Bus Width : 16-bit for PCMCIA  
32-bit for CardBus
- PC Interface : 68-pin connector
- PC Card Spec :
  - PCMCIA - PCMCIA Release 2 type II Standards
  - CardBus -PC Card 1995 CardBus Standards
- Media Coupler Interface : 15-pin flat connector
- LED : 10/100Mbps , Link/Activity
- Power : 3.3V / 450mA Max.
- Driver Support :
  - ODI - Novell NetWare 3.x, 4.x
  - NDIS - Microsoft Windows 95/98,NT 4.0
- Temperature : 0 to 50°C (Oper.)
- Humidity : 10% to 90%
- Certification : FCC Class A, CE Mark

# **3. Installation**

This chapter describes how to install your PCMCIA/ CardBus PC Card.

## **(1) Hardware Installation**

Step1. Hold the card label up and insert the card into the notebook's PCMCIA/ 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 10/100Mbps Hub/Switch of your LAN.

## **(2) Software Installation**

The drivers and utilities are supplied by the CD-ROM included in this product. For detail description, please refer to documents in the CD-ROM provides by this product.

# 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/100M**

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 ON, it indicates that the 100Mbps Fast 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.

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