

**USER's MANUAL**

---

---

**Compact-Flash Size Ethernet PC  
Card**

*For Both Notebook PC and Windows CE-based  
PDA / Palm PC*

FCC ID: M04CE10T

---

First Edition (Oct, 28, 1999)

# FCC REGULATORY STATEMENTS

## FCC Certification

Part15, Class B

FCC ID: MQ4CE10T

The United States Federal Communication Commission (FCC) and the Canadian Department of Communications have established certain rules governing the use of electronic equipment.

## FCC Part 15 Registration

This device complies with Part 15 of FCC rules. Operation is subject to the following two conditions:

- 1) This device may not cause harmful interference, and
- 2) This device must accept any interference received, including interference that may cause undesired operation. This equipment has been tested and found to comply with the limits for a Class B digital device, 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. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

- ✓ Increase the distance between the equipment and receiver.
- ✓ Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

---

# CONTENTS

<b>1. INTRODUCTION .....</b>	<b>1</b>
ABOUT THIS MANUAL .....	1
SYSTEM REQUIREMENTS.....	1
OPERATING ENVIORNMENTS .....	2
CONTENTS IN THE PACKAGE .....	2
<b>2. HARDWARE INSTALLATION .....</b>	<b>1</b>
INSERTING THE COMPACTFLASH ETHERNET LAN CARD .....	1
REMOVING THE DUAL SPEED FAST ETHERNET PC CARD.....	3
CONNECTING TO THE NETWORK.....	3
<i>LED Indicators</i> .....	4
<b>3. SOFTWARE INSTALLATION.....</b>	<b>1</b>
NOVELL NETWARE.....	1
MS LAN MANAGER .....	6
PACKET DRIVER .....	8
WINDOWS FOR WORKGROUPS 3.11 .....	8
WINDOWS NT 3.51 .....	13
WINDOWS NT 4.0 .....	14
WINDOWS 95 INSTALLATION .....	14
WINDOWS 98 INSTALLATION .....	16
WINDOWS 2000 INSTALLATION .....	18
ARTISOFT LANTASTIC 6.0 INSTALLATION .....	20
IBM OS/2 WARP .....	21
FOR PDA/PALM PC WITH WINDOWS CE 2.0 .....	26
NOTES FOR WINDOWS FOR WORKGROUPS DRIVER .....	28
<b>4. QUESTIONS AND ANSWERS .....</b>	<b>1</b>

---

---

**APPENDIX A. SPECIFICATIONS .....1**

NETWORK INTERFACE SPECIFICATIONS..... 1  
HOST INTERFACE AND PHYSICAL  
SPECIFICATIONS ..... 1  
OPERATING ENVIRONMENTS ..... 2  
POWER REQUIREMENTS:..... 2  
GENERAL SPECIFICATION ..... 2



# 1. INTRODUCTION

## ABOUT THIS MANUAL

This manual will explain how to install and use your CompactFlash Ethernet LAN Card. The following guideline will help you through the installation process.

How to install the Card and Connect it to network

→ Chapter 2. Hardware Installation

How to install the network driver

→ Chapter 3. Software Installation

How to do trouble shooting

→ Chapter 4. Questions and Answers

Detail Specification

→ Appendix A Specifications

## SYSTEM REQUIREMENTS

For Notebook PC:

- An IBM compatible notebook computer with 386SX or faster processor
- At least one type II PC Card socket
- Drivers and utilities provided with this product
- PCMCIA release 2.1 compliant Card Services and Socket Services.

For Windows CE-based PDA/Palm PC:

- A type I CompactFlash Slot which support IO functionality.
- Windows CE 2.0 or newer version
- Windows CE Service Disk

- CF+ and CompactFlash Spec. Reversion 1.4 compliant Card Services and Socket Services

## **OPERATING ENVIRONMENT**

### **For Notebook PC:**

- Novell Netware 3.x, 4.x
- Microsoft LAN Manager
- Packet Driver Applications
- Microsoft Windows for Workgroups 3.11
- Microsoft Windows 3.1
- Microsoft Windows NT 3.51, NT 4.0
- Windows 95
- Windows 98
- Windows 2000
- Lantastic 6.0
- IBM OS/2 Warp Version 3

### **For Windows CE-based PDA/Palm PC:**

- Windows CE 2.0 or newer version

## **CONTENTS IN THE PACKAGE**

- CompactFlash Ethernet LAN Card with RJ-45 Direct Port
- An accessory CompactFlash Adapter . With this adapter, the CompactFlash Card turns into conventional type II PCMCIA PC Card.
- Two 3.5" driver diskettes. One for WinCE driver and the other diskett is for other drivers.
- User's Manual
- Plastic protection case for base PC Card

## 2. HARDWARE INSTALLATION

This chapter describes how to install the CompactFlash Ethernet LAN Card in your notebook PC or PDA/Palm PC and connect it to the network.

*It's referred to "the Compact Card" for the CompactFlash Ethernet LAN Card and referred to "the PC Card" for the CompactFlash LAN Card with our CompactFlash accessory adapter in this manual.*

Please refer to **Chapter.3 Software Installation** on how to install network drivers using menu driven installation utility.

### **Inserting the CompactFlash Ethernet LAN Card**

For Windows CE-based PDA/Palm PC:

Hold the Compact Card with wide connector toward the CompactFlash slot and the brand lable facing upward, as shown in Fig2.1.

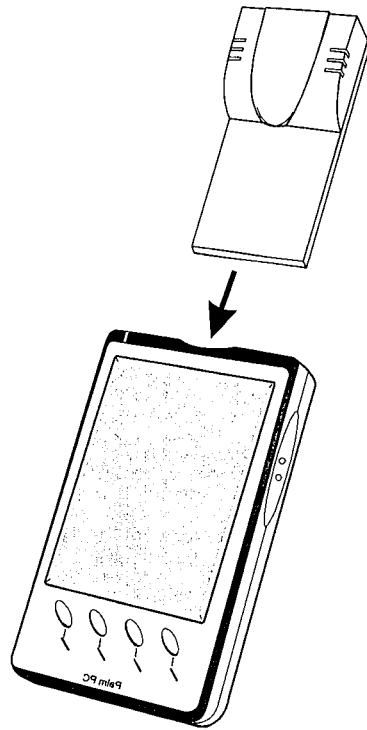


Fig.2.1

**For Notebook PC:**

Insert the CompactFlash LAN Card into our CompactFlash accessory adapter. By doing this, our CompactFlash LAN Card will turn into conventional PCMCIA type II PC Card. Then hold the PC Card with wide connector toward the



PC Card slot and the brand label facing upward, as shown in Fig2.2.

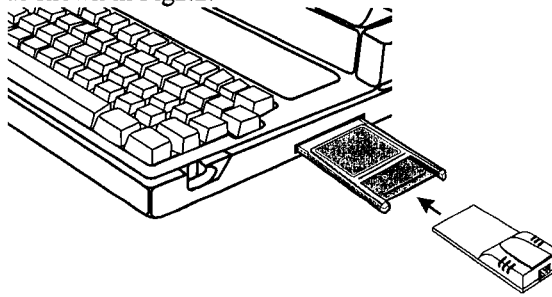


Fig.2.2

### **Removing the Dual Speed Fast Ethernet PC Card**

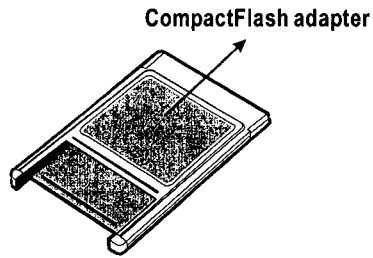
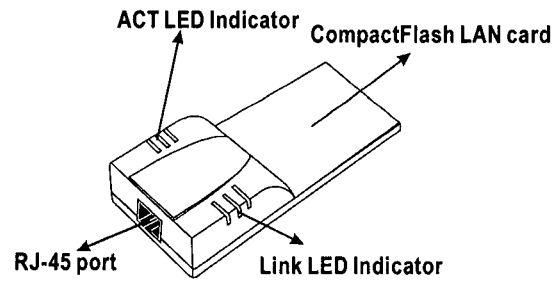
It's quite different for various computer mechanical design. Please refer to the PC Card removal instruction in the document for your notebook computer and PDA/Palm PC.

### **Connecting to the Network**

Connect unshielded twisted pair (UTP) cable to the RJ-45 connector of media coupler before loading any network driver.

- For operation in the 10Mbps (10Base-T) Ethernet network, Category 3, 4 or 5 unshielded twisted pair (UTP) cable could be used to connect between the media coupler and a 10Mbps hub or switch.

## LED Indicators



## APPENDIX A. SPECIFICATIONS

### Network Interface Specifications

- ◆10Mbps Ethernet: IEEE 802.3 standard 10BaseT baseband CSMA/CD local area network.
- ◆NE2000 Compatible

### Host Interface and Physical Specifications

For Notebook PC: (accessory adapter)

- ◆PCMCIA 2.0/2.1 and PC Card Standard compliant.
- ◆Type II PC Card
- ◆3.37" x 2.128" x 0.197" (86mm x 54mm x 5.0mm)
- ◆50gw in weight with Compact Card

For PDA/Palm PC: (Compact Card Only)

- ◆CF+ and CompactFlash Spec. Rev. 1.4 compliant.
- ◆Type I CompactFlash I/O Card
- ◆3.46" x 1.685" x 0.130" (88mm x 42.8mm x 3.3mm)
- ◆28gw in weight

## Operating Environments

Novell Netware 3.x, 4.x  
Microsoft LAN Manager  
Packet Driver Applications  
Microsoft Windows for Workgroups 3.11  
Windows 3.1  
Microsoft Windows NT 3.51, NT 4.0  
Windows 95  
Windows 98  
Windows 2000  
Windows CE 2.0 or newer  
Lantastic 6.0  
IBM OS/2 Warp Version 3

## Power Requirements:

◆ Normal Operation: +3V DC, 80mA max

## General Specification

LEDs: Link Integrity, Activity

### Enviroments Ranges:

Operating: 32°F to 149°F (0°C to 65°C)  
Storage: -4°F to 158°F (0°C to 70°C)  
Humidity: 10% - 90% , noncondensing

Certifications: FCC, Part 15, Class B, VCCI-B  
CE Mark (EN55022,ClassB, EN50082-1)