



LevelOne

FPC-0106TX

**32-bit 10/100Mbps PCMCIA
Card Bus Adapter**

User Manual

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INTRODUCTION

System Requirements

- An IBM compatible notebook computer with 486 or faster processor with CardBus supported socket.
- Drivers and utilities provided with this product
- PCMCIA PC Card compliant Card Services and Socket Services
- 100Base-TX Fast Ethernet or 10BaseT Ethernet connectivity to your local area network.

Operating Systems

- Windows 98SE/ME, Windows 2000, XP

INTRODUCTION TO CARDBUS

Cardbus is the next generation 32-bit version issued by PCMCIA PC Card standard. In addition to support a wider bus (32 bits instead of 16 bits), CardBus also supports bus mastering and operation speeds up to 33 MHz. The 132MBytes bus transfer rate (compares with legacy 16-bit I/O PC Card, 20MByte) provides the mobile user to enjoy the high-bandwidth network connection.

A Mobil computer, which equipped with CardBus and properly configured is the fundamental requirement to use the CardBus 10/100M PC Card. To make sure about this point, please follow the guideline listed below:

- Cardbus is designed to support both 16-bit and Cardbus Card. But the legacy 16-bit PC Card slot couldn't accept the CardBus PC Card. In order to prevent the wrong operation, CardBus is thus developed with particular mechanical consideration to prevent it fit into the legacy 16-bit PC Card Slot. If you can't insert the CardBus 10/100 PC Card into the slot firmly reaching the bottom, your notebook probably hasn't the capability to support CardBus technology. Please check your notebook manual for detail information.

- Due to variant design of notebook computers, some models implement a setting in the Computer's BIOS to switch between Cardbus and 16-bit PC Card modes. You could consult the User's Guide of your notebook and properly set on the **CardBus** or **Auto_Detect** mode.

HARDWARE INSTALLATION

Inserting the CardBus Dual-Speed PC Card

1. Hold the CardBus PC Card with wide connector toward the slot and the brand label facing upward.
2. Insert the CardBus PC Card and push it firmly into the bottom. (Please see the figure on the next page for reference)

Removing the CardBus Dual-Speed PC Card

It's quite different for various computer mechanical designs. Please refer to the PC Card removal instruction in the document for your notebook computer.

Connecting to the Network

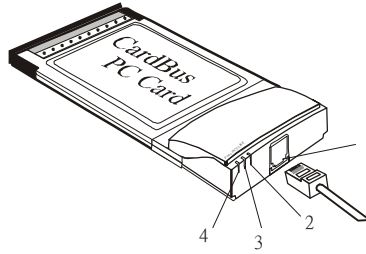
Connect RJ-45 port of the CardBus 10/100 Ethernet PC Card Adapter to the Category 5 Network cable before loading any network driver.

- For operation in the 100Mbps (100Base-TX) Ethernet network, a Category 5 unshielded twisted pair (UTP) cable should be used to connect between

the RJ-45 port and 100Mbps hub or switch.

- 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 RJ-45 port and a 10Mbps hub or switch.

LED Indicators



1. **RJ-45 port:** connects to the Category 5 Ethernet Network Cable.
2. **LINK 10** LED indicator: glows green when operated in the 10Mbps Ethernet network.
3. **LINK 100** LED indicator: glows green when operated in the 100Mbps Ethernet network.
4. **ACT** LED indicator: blinks orange when the CardBus 10/100 Ethernet Attached Port PC Card Adapter is transmitting/receiving data.

SOFTWARE INSTALLATION

Installation for Windows 98

1. When the PC Card is well inserted into the PC Card slot in your computer, the following picture will appear automatically and prompt you to insert the new device driver. Click **Next** to proceed.



2. Select **Search for the best driver for your device (recommended)** and click **Next**.



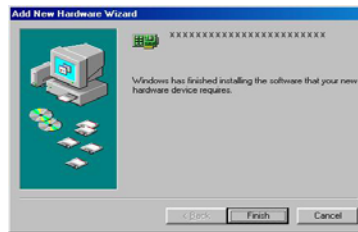
3. Select **Floppy disk drives** and click **Next** to proceed searching.



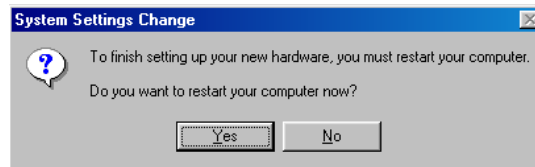
4. Windows has found the appropriate driver for the new device. Click **Next** to install.



5. Click **Finish**. The PC Card driver installation will be successfully completed.



6. Click **Yes** to restart your computer.



Installation for Windows 2000

1. When the PC Card is well inserted into the PC Card slot in your computer, the following picture will be appeared on the screen automatically. Click **Next** to proceed.



2. Select **Search for a suitable driver for my device (recommended)** and click **Next**.

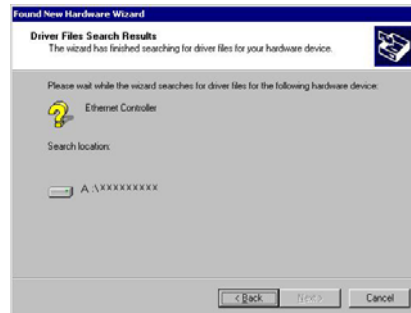


3. Insert the new device driver to the disk drive and click **Next**. Windows will start

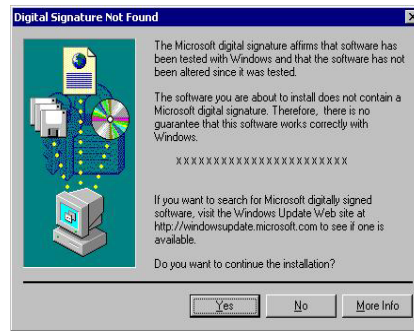
searching for the appropriate driver for the PC Card.



4. Wait for a while until Windows has found the appropriate driver.



5. Click **Yes** to continue.



6. **Click Finish.** The PC Card driver installation is successfully completed.



Installation for Window ME

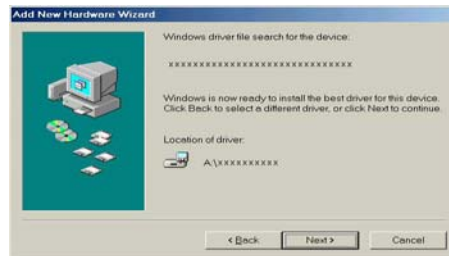
1. Once the PC Card is well connected to your computer, Windows ME will automatically detect the new device. Select **Specify the Location of the driver...** and click **Next**.



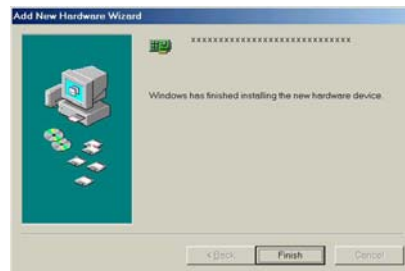
2. Insert the device driver disk into the floppy disk drive on your system. Select **Removable Media (Floppy, CD-ROM...)** and click **Next**.



3. Click **Next** to continue.



4. Windows will copy the appropriate driver to your system. If Windows ME asks you to supply your original Windows ME installation CD-ROM, load it on the CD-ROM drive.
5. Click **Finish** to complete the software installation.

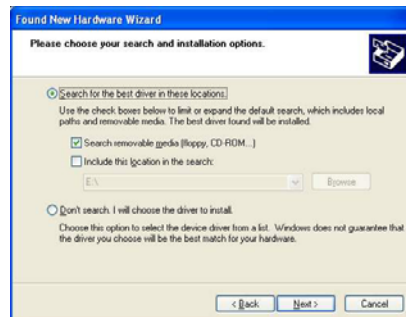


Installation for Windows XP

1. Once the device is well connected, Windows will detect the new device and prompt you to insert the network device driver. Click **Install from a list or specific location...** and click **next**.



2. Insert the device **Driver Disk** into the floppy disk drive of your system. Select **Search for the removable media...** and click **Next**.



3. Windows will start searching for the appropriate driver for the installation. When the screen appears as below, click **Continue Anyway** to proceed.



4. Wait for seconds while Windows copies the appropriate driver to your system.
5. Click **Finish**. The software installation for this network device is now completed.



Installation for Novell NetWare

1. At the DOS prompt type **Start** under the path \NETWARE.

2. The installation program will automatically proceed.
3. Follow Novell's instructions on using ODI programs.
4. Enter **login** at the Netware login prompt, e.g. *f:login>*.
5. Type your user name and password.
6. The connection is made.

SPECIFICATIONS

Network Interface Specifications:

- 10Mbps Ethernet:IEEE 802.3 standard 10BaseT baseband CSMA/CD local area network.
- 100Mbps Ethernet:IEEE 802.3u standard 100Base-TX baseband CSMA/CD local area network.
- 20/200Mbps full duplex support
- Autonegotiation between all four operation modes.

Host Interface:

- Cardbus PC Card Standard compliant.
- Type II PC Card form factor

Power Requirements:

- Normal Operation:+3.3V DC, 10M: 107mA Max; 100M: 104mA Max
- Idle Mode:+3.3V DC, 98mA max

General Specification:

- LEDs: ACT, LINK10, LINK100
- Environments Ranges:
 - Operating:32°F to 140°F (0°C to 60°C)
 - Storage:-4°F to 158°F (0°C to 70°C)
 - Humidity:10% - 90%, noncondensing
- Certifications:
 - FCC, Part 15, Class B
 - CE Mark (EN55022, EN55024, ClassB)