

**ALN-601**

# ***Acer PC Card***

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*32-Bit CardBus Ethernet Adapter*

## ***User's Guide***



Thank you for purchasing the Acer 10/100 Base-TX CardBus Ethernet Card.

## CardBus Controller Compatibility

For computers running WindowsNT 4.0, please refer to **Setup for Windows NT**. (below)

If you want to install the Ethernet Card in a computer running Windows 95/98, please first confirm that your notebook's CardBus Controller type is one of those listed in the "pcmcia.inf" file (in the Win95/98 "INF" directory). The following steps allow you to check your computer's CardBus Controller type:

1. Start **Win95/98**.
2. Click the **"Start"** button, select **"Settings"**, and click on **"Control Panel"**.
3. Double-click the **"System"** icon.
4. Select the **"Device Manager"** tag and click **"PCMCIA socket"**. The CardBus controller type will be displayed.

## CardBus Controller Enabler Compatibility

WindowsNT 4.0 does not support CardBus Controller enablers. Windows95/98 only supports the CardBus Controller enablers that are listed in the "pcmcia.inf" file (in the Win 95/98 "INF" directory).

## Installing the Ethernet Adapter card

The Ethernet card should be installed in your notebook's CardBus PC card slot. If you have trouble locating this slot on your computer, please refer to the user's manual, or consult your computer's manufacturer.

Gently slide the PC card into the CardBus PC card slot. Make sure the card is firmly seated in the socket. You are now ready to set up and install the network drivers (explained below in **"System Configuration"**).

For connection to a 100 Base-TX Fast Ethernet network, use a Category 5 unshielded twisted pair (UTP) network cable with an RJ-45 connector to connect with the hub or switch.

For connection to a 10 Base-T Ethernet network, use a Category 3, 4 or 5 unshielded twisted pair (UTP) network cable with an RJ-45 connector to connect with the hub or switch.

## System configuration for Windows 95

Windows 95 comes with most of the drivers necessary for accessing your Ethernet card, but only **OSR2** (OEM Service Release #2) and later versions fully support CardBus adapters. You will need to check the version of your copy of Windows 95 and of its CardBus Controller drivers:

1. Click the "**Start**" button and select "**Settings**".
2. Click "**Control Panel**", and double-click the "**System**" icon. The "**System Properties**" window will come up.
3. Select the "**General**" tag. The version of Windows 95 will be displayed under the "**system**" field. Only **4.00.950b** and later versions (**4.00.950c** or **4.00.951**) fully support the CardBus standards.
4. Still on the "**System Properties**" window, select "**Device Manager**" and click "**PCMCIA socket**". Click on a CardBus controller and a "**CardBus Controller Properties**" window will come up.
5. On the "**CardBus Controller Properties**" window, select the "**Driver**" tag, and click "**Driver File Details....**"
6. The driver file ending in **"/CBSS.VXD"** will automatically be highlighted, and its version will be displayed underneath. The version of the **"/CBSS.VXD"** driver file must be **4.00.1111** or later. If your current CardBus driver is an earlier one, you need to update to the current version of the CardBus Controller driver - please contact your Windows software supplier. Once you have updated your CardBus Controller driver, you will need to install the CardBus Ethernet Card driver.

1. Power up your computer.
2. Insert the Ethernet card into a PC Card slot in your computer. Make sure the card is securely seated in the socket. Windows will display the "**Update Device Driver Wizard**" dialog box. Click "**Next**", and Windows will search for an existing driver. If Windows is unable to locate a driver, it will guide you to install one. Select the "**Other Locations**" tag. When the dialog box comes up, enter **"A:\WIN95B"** for the location where the device information file (.INF file) and the driver (.SYS file) can be found. Insert the diskette labeled "**10/100 Base-TX CardBus Ethernet**" (included in this package) into drive A and click "**OK**".

3. When Windows finds the driver, click **"Finish"** to confirm, and Windows will start installing the necessary drivers.
4. You will need your original copy of the **"Windows 95 CD-ROM"**. When so prompted by Windows, insert it into the CD-ROM drive.
5. After installing the CardBus driver, it is not necessary for the diskette and CD to remain in the drives. Restart your computer. The Ethernet adapter card should be ready to go - its LED indicator will signal when the network comes on-line.

## System Configuration for Windows 98

Windows 98 already contains the CardBus Controller driver. However, you will need to install the CardBus driver. Please follow these steps to get up and running:

1. Power up the computer.
2. Insert the Ethernet card into your computer's PC Card slot. Make sure the card is securely seated in the socket. Windows 98 will automatically run the **"Add New Hardware Wizard"**. Click **"Next"** to have Windows find the CardBus driver.
3. When Windows prompts you for an installation procedure, select **"Search for the best driver for your device"**. Click **"Next"**.
4. Insert the diskette labeled **"10/100 Base-TX CardBus Ethernet"** (included in this package) into drive A, select **"Specify a location"** and enter **"A:WIN98"** for the location. Click **"Next"**.
5. The product information for the driver will be displayed. Click **"Next"**. The driver will be installed automatically.
6. During the installation, you will need your original copy of the **"Windows 98 CD-ROM"**. When so prompted by Windows, insert it into the CD-ROM drive.
7. After installing the desired drivers, you may remove the **"Windows 98 CD-ROM"** from the drive. Restart your computer. The Ethernet adapter card should be ready to go - its LED indicator will signal when the network comes on-line.

## System Configuration for Windows NT4.0

Windows NT4.0 comes with most of the drivers necessary for using your Ethernet card, but it does not include the CardBus Controller enabler, so you will need to install one. Please follow these steps to get up and running:

1. Insert the card into a PC card slot in your computer **before** powering up the computer.
2. Click "**Control Panel**", and then click on the "**Network**" icon. Select the "**Adapter**" tag. Click "**Add**".
3. When the "**Select Network Adapter**" dialog box comes up. Insert the diskette labeled "**10/100 Base-TX CardBus Ethernet**" (included in this package) into drive A. Click on the "**Have Disk**" button. When prompted for a location, enter "**A:\WINNT4**" and click "**OK**".
4. The card information ("**10/100 Base-TX CardBus Ethernet**") should be displayed in the window. Click "**OK**".
5. Windows NT4.0 will load the drivers from the diskette. When done, the next dialog box will allow you to adjust the parameters for Interrupt, I/O Port, Memory Address, and Connection Type. Please contact your network administrator or your PC/terminal supplier for technical support. When finished, click "**Continue**", then go back to the "**Network**" window. Select the "**Bindings**" tag, and click the "**Close**" button. Your Network Adapter should now be properly configured for use.
6. The "Microsoft TCP/IP" IP address set-up dialog box will come up. Ask your Windows NT Server administrator to set the IP Address. Click "**OK**" and restart the computer.

## System Configuration for DOS ODI

On the driver diskette, the "**NWCLIENT**" directory contains DOS ODI drivers to support Novell's NetWare 3.x and 4.x network operating systems. This directory also contains direct enabler programs to enable the CardBus slot. To enter the NetWare network operating system, you need the following files, which run DOS ODI drivers:

- a.LNRPCI.EXE: Enables the CardBus Controller
- b.LNRBIOS: Intercepts PCI BIOS Function Calls for CardBus
- c.LSL.COM: Supported by Novell
- d.LNRODI.COM: DOS ODI driver
- e.IPXODI.COM: Supported by Novell
- f.NETX.EXE: Supported by Novell
- g.NET.CFG: An optional configuration file
- h.STARTNET.BAT: A sample BATCH file to enter NetWare NOS from a NetWare ODI Client

The above 8 files can be found in the directory "**\nwclient**" on the driver do iskette.

### To install the driver:

1. Make sure that the 10/100 Ethernet Card is inserted properly.
2. Check the system file "**config.sys**". Find the line that reads "**device=c:\dos\emm386**". In order for the CardBus drivers not to conflict with the Extended Memory Manager (emm386), you will need to change this line from "**device=c:\dos\emm386**" to "**rem device=c:\dos\emm386**" or to "**device=c:\dos\emm386 x=d000-d3ff**".
3. Save the "**config.sys**" file and reboot your notebook/PC.
4. Insert the driver diskette into the floppy drive. Open the directory "**a:\nwclient**".
5. Copy all files in the directory to a directory you create on your local hard disk (we suggest using the directory name "**C:\nwclient**")
6. Go to the newly-created directory "**C:\nwclient**" (or whatever you have named it).
7. Execute the "**startnet.bat**" file. The driver will be installed, and you can log in to the file server.
8. If you encounter any difficulties, please call our company for technical support.

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## Acer Pc Card      One-year

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