

FriendlyNet™ PC Card CardBus

**Dual Platform
for Macintosh™ and PC notebooks**

Installation Guide and User's Manual

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Installation Guide for the FriendlyNET 10/100 CardBus

Package Contents

- FriendlyNET 10/100 CardBus Adapter*
- Media coupler*
- Driver diskette (3 1/2")*

Hardware Description

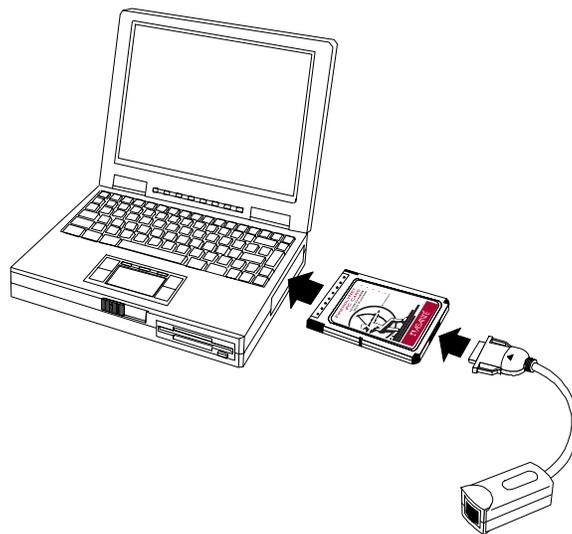
The FriendlyNET 10/100 CardBus is a credit-card size Ethernet Adapter for connecting a notebook PC or Macintosh to an IEEE802.3 or 802.3u Ethernet network. The notebook PC or Macintosh must be equipped with Cardbus (32bit) extension bus and Type II or Type III PC Card slot(s). The FriendlyNET 10/100 CardBus is supplied with a media coupler which plugs into the back end (15-pin) of the adapter. The other end of media coupler has one RJ-45 connector that connects to UTP network cable. The media coupler has two LED indicators that make it easy to monitor data transmitting, link status, and network speed to assist in troubleshooting.

Table 1:

LED Function	Color	Description
Link/Act	Green	Lit: Indicates link Blinking: Data is being Transmitted or Received
100	Green	Lit: Indicates that link is established at 100Mbps

Hardware Installation for the FriendlyNET 10/100 CardBus

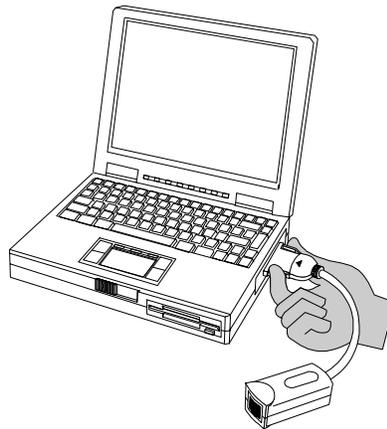
1. Open the Type II or Type III PC Card slot on your notebook computer.
2. Insert the front end of the FriendlyNET 10/100 CardBus (Black triangle on top right hand side) into the CardBus slot



3. Slide the FriendlyNET 10/100 CardBus all the way into the slot until it reaches a firm stop.
 4. Attach the media coupler to the FriendlyNET 10/100 CardBus. Keep the media coupler triangle mark on top when you plug the media coupler into the CardBus Adapter.
 5. Attach the UTP cabling to connect the Ethernet CardBus Adapter to your network (hub/switch) (The 100Base-TX maximum length is 100 meters.)
 6. Install the network drivers.
- ▼ *Make sure you have the correct wiring. To reliably operate your network at 100Mbps, you must use Unshielded Twisted-Pair (UTP) Category 5 Data Grade wire.*

Removing the FriendlyNET 10/100 CardBus

1. To remove the media coupler plug from the FriendlyNET 10/100 CardBus, it is necessary to unlatch the hooks by depressing the two small latch wings of the plug.



2. Use thumb and forefinger to squeeze the latch wings into the plug body, gently pull the plug out of media coupler.
3. Firmly press the notebook computer's eject button to disengage the FriendlyNET 10/100 CardBus from the slot connector.
4. Grip the FriendlyNET 10/100 CardBus's protruding end between your fingers and withdraw it from PC Card slot.

Software Installation - Macintosh

1. Insert the FriendlyNET 10/100 CardBus disk into the disk drive.
2. Open the Power Book folder.
3. Double click the FriendlyNet 10_100 Installer icon.
4. Click **Yes** when asked if you wish to continue.
5. Click **Restart**.

Software Installation for Windows 95 OSR2

1. Insert the FriendlyNET 10/100 CardBus into the CardBus slot. Windows detects the PCI Ethernet Controller.
 2. Insert the FriendlyNET 10/100 CardBus disk and click **Next**.
 3. Windows displays it found the FriendlyNET 10/100 CardBus. Click **Finish**.
 4. Click **OK** when asked to insert the disk labeled FriendlyNET 10/100 CardBus driver disk.
 5. Specify **A:** and click **OK**
 6. After all files are copied restart the computer.
- ▼ *The driver works on Windows 95 OSR2 or later version. If your system is an older version please upgrade to latest version of Windows 95. MS Windows 95 old versions (ver:950, 950a) cannot support plug & play for the FriendlyNET 10/100 CardBus.*

Software Installation for Windows 98

1. Insert the FriendlyNet 10/100 CardBus into the CardBus slot. Windows detects the PCI Ethernet Controller and searches for new drivers for **PCI Fast Ethernet DEC 21143 Based Adapter**.
2. Insert the FriendlyNet 10/100 disk and click **Next**.
3. Select "Search for the best driver for your device" and click **Next**.
4. Specify **A:** and click **Next**.
5. Click **Next** on the next window when Windows finds the FriendlyNet 10/100 CardBus.
6. Click **OK** when asked to insert the FriendlyNet 10/100 CardBus driver disk.
7. Specify **A:** then click **OK**.
8. Click **Finish** and restart the computer after files are copied.

Software Installation for Windows NT 4

1. Insert the FriendlyNET 10/100 CardBus into the CardBus slot.
2. Double click the **Network** icon in the "My Computer" -> "Control Panel"
3. Click the **Adapters** tab then click the **Add** button.
4. Insert the FriendlyNET 10/100 CardBus disk and click the **Have Disk** button.
5. Specify **A:** then click **OK**.
6. Windows displays "FriendlyNET 10/100 CardBus". Click **OK**.
7. Accept the default settings for the Connection Type (AutoSense), I/O Base Address (0x3000), Interrupt Level (9), and Store and Forward mode (Enabled).
8. After all files are copied click the **Close** button and restart the computer.

Table 2: Product Specifications

Standard	IEEE802.3/802.3u 10Base-T/ 100Base-TX standards
Host Interface	PC Card 95 CardBus Standard
Ethernet Data Rate	10Mbps and 100Mbps via Auto-Negotiation
I/O base address/Interrupt Number assigned	Plug & Play system
Cable Connections	RJ-45 (10Base-T) UTP Category 3 or higher. RJ-45(100Base-TX) UTP Category 5 or higher
Software Drivers	Microsoft Windows NT v4.x, Windows 95/98, Macintosh OS Ver 8.5 or higher
LED Indicators	Link/Act - Green 100Mbps - Green
Physical Specifications	Type II size
Operating Environment	0 to 55 C°
Certification	FCC Class B, CE Mark Class B, VCCI Class B, C-Tick Class B

Technical Support

Contacting Technical Support

To contact Asanté Technical Support:

Telephone	(800) 622-7464
Fax	(801) 566-3787
Bulletin Board Service (BBS)	(408) 432-1416
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WorldWide Web Site	http://www.asante.com

Technical Support Hours

6:00 AM to 6:00 PM Mountain time USA, Monday - Friday.