

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to Subpart J of Part 15 of 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 the equipment 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 separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that which the receiver is connected.
- Consult the dealer or an experienced radio/television technician for help.

OVERVIEW

Universal Serial Bus (USB) port technology has emerged in response to the proliferation of external peripheral devices (keyboards, mice, scanners, digital cameras, removable drives, etc.), that are increasingly being connected to the latest generation of PCs. The USB behaves in a similar fashion to conventional bus ports (i.e., serial, parallel, PS/2), but is much faster, and since it does not require any IRQs, more devices can be attached to the system, and the problem of IRQ conflict is eliminated.

The PU-202 is a PC Card 2 port USB 2.0 host. This credit card sized host is the perfect way to add two USB 2.0 ports to standard notebook PCs. Installation is quick and easy, simply slide the PC card into the Type II CardBus slot on your notebook, and you're USB ready!

The PU-202 represents the second generation of USB standards. USB 2.0 technology offers the advantages of high-speed data throughput, (up to 480Mbps), chainability - the ability to daisy chain up to 127 USB devices, "Plug and Play", Hot-Swapping (connection and disconnection) on the fly, and allows users to take advantage of the USB 2.0 technology on their current USB 1.1 systems.

With USB 2.0, the latest high-speed peripherals can be connected externally, eliminating the need to install complicated hardware.

FEATURES

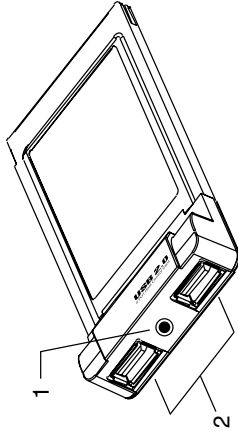
- Easy Installation
- Compliant with USB Version 2.0 - transfer speeds of up to 480 Mbps (40 times faster than USB 1.1)
- Fully Forward and Backward Compatible to USB 1.1
- Provides Two External USB Type-A Ports
- Automatically Switches to the Peripheral's Highest Supported Speed
- Supports 32-Bit CardBus Type II Slots
- Improves peripheral performance for: Printers, Scanners, PC Cameras, Device Storage Units, Broadband Network Connections
- Compliant with OHCI v1.0a and EHCI v0.95

SYSTEM REQUIREMENTS

- Windows XP, Windows 2000*
- A Type II CardBus PC Card slot

Note: High USB 2.0 transfer speeds of up to 480 Mbps can only be obtained with USB 2.0 driver support.
Currently, Windows XP has native USB 2.0 support.
Support for other Windows versions will be forthcoming.

INTRODUCTION



1. DC Input Jack (Optional)
If you have the optional PU-202 model that comes with a DC Jack, and choose to use a DC Power Adapter with it, its cable plugs in here

Note: 1. The DC Power Adapter is not part of the PU-202 package - it requires a separate purchase.
2. Ordinarily, the hub gets its power from the computer, but if large, or power hungry peripherals are connected, this might not be sufficient, and may result in erratic operation. In this case, the PU-202 DC Jack model and a DC Power Adapter should be used.

2. USB Type A Ports

The cables from your USB peripherals can plug into either port.

INSTALLATION

WINDOWS DRIVER INSTALLATION

1. With your notebook booted up, slide the PU-202 into its Type II CardBus slot. Windows detects the PU-202's presence and displays a *Found New Hardware* message.
2. When the New Hardware Wizard appears, Click on **Next** to continue.
3. In the dialog box that comes up, leave the default choice: *Search for a suitable driver for my device...*; Click on **Next** to continue.
4. In the dialog box that comes up, check *Floppy disk drives*; put the driver diskette that came with your card into the floppy drive; Click on **Next** to continue.
5. In the confirmation dialog box that comes up, Click on **Next** to continue. Files are now copied to your hard disk.
6. After the driver files have been copied to the hard disk, a dialog box appears to tell you that the installation has finished. Click on **Finish**. Windows now reboots.

7. After Windows completes the installation, to check that the adapter was correctly installed, navigate down through the following folders:
- My Computer* → *Control Panel* → *System*; select the *Device Manager* tab; click the *Plus Sign* in front of the *Universal serial bus controller*.
- If the adapter was installed correctly, the following entries should appear:

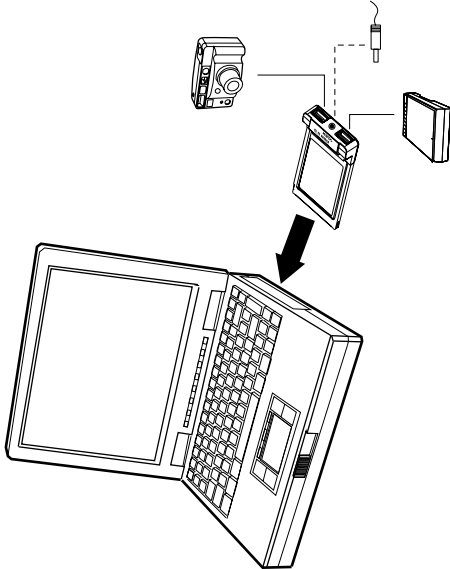
Intel 82371AB / EB PCI to USB Universal Host Controller
NEC PCI to USB Open Host Controller
NEC PCI to USB Open Host Controller
USB 2.0 PCI to USB Enhanced Host Controller

Note: Depending on the Windows version, there may be some slight variation in the wording.

CONNECTING PERIPHERALS

After Windows reboots:

1. If you choose to use an optional DC Power Adapter, plug the DC Adapter into an AC source; plug the Adapter cable into the DC Jack.
2. Plug your USB peripherals into any available port.



SPECIFICATIONS

Function	Specification
USB Connectors	2 Type-A
Transfer Rate	1.5 / 12 / 480 Mbps (bits per second)
USB Specs	v2.0 and v1.1 Compatible
DC Input	5V, 1.5A (min.)
Operating Temperature	5 ~ 40°C
Storage Temperature	-20 ~ 60°C
Humidity	0 ~ 80% RH, Noncondensing
Housing	Plastic
Weight	50g
Dimensions (L x W x H)	115.5 x 54 x 13.8 mm

LIMITED WARRANTY

IN NO EVENT SHALL THE DIRECT VENDOR'S LIABILITY FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THE PRODUCT, DISK, OR ITS DOCUMENTATION EXCEED THE PRICE PAID FOR THE PRODUCT.

The direct vendor makes no warranty or representation, expressed, implied, or statutory with respect to the contents or use of this documentation, and especially disclaims its quality, performance, merchantability, or fitness for any particular purpose.

USER MANUAL

PU-202

Read this manual thoroughly and follow the installation and operation procedures carefully to prevent any damage to the unit, and/or any of the devices connected to it.

This package contains:

- ◆ 1 PU-202 or PU-202 with Optional DC Jack
- ◆ 1 Driver disk
- ◆ 1 User Manual

If anything is damaged or missing, contact your dealer.

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