

USB 2.0 CardBus PC Card

Quick Installation Guide

1. Introduction

This **USB 2.0 CardBus PC Card** adds two or four (depend on which item you purchased) high-speed USB 2.0 ports to your Notebook computer. It supports high-speed (480Mbps), full-speed (12Mbps), and low-speed (1.5 Mbps) data transfer modes.

2. Key Features and Benefits

- Compliant with 32-bit PCMCIA CardBus type II specification
- Compliant with USB specification revision 2.0
- Support simultaneous operation of multiple USB 2.0 and USB 1.1 devices
- Hot-swapping feature allows you to attach/detach USB devices without turning your system off
- Work with various type of USB2.0/USB 1.1 devices including hubs, data storage devices, PC video cameras, digital cameras, CD-R/RW drives, DVD-ROM drives, scanners, printers, memory card readers (CF/SM/SD/MMC/Memory Stick), and more

3. System Requirements

- Pentium or equivalent portable computer with one available 32-bit PCMCIA (CardBus) type II slot
- Windows 98 SE or later

4. Product Layout



Fig. 4-1 USB 2.0 2-Port CardBus Host Adapter



Fig. 4-2 USB 2.0 4-Port CardBus Host Adapter

5. Hardware Installation

General instructions for installing the CardBus adapter are given since the location of the 32-bit PCMCIA (CardBus) type II slot may vary between different portable computers.

1. Insert the CardBus adapter into an available 32-bit PCMCIA (CardBus) type II slot slowly and carefully.
2. If the CardBus adapter comes with switching power adapter or you buy one according to the specification listed, connect the plug to the CardBus.

3. Hardware installation is complete.

Please proceed to the next section for driver installation.



Fig 5-1 Install the CardBus adapter and switching power adapter

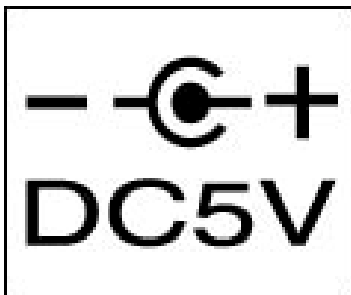
Note:

USB 2.0 2-Port CardBus provides limited bus-power for USB ports. However, you will need to have a switching power adapter if your USB devices require higher bus-power, like USB flash drive, PC camera,...etc.

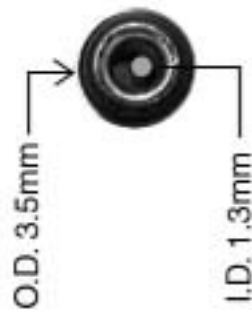
Specification of switching power adapter:

Input: AC 100-240V, 50/60Hz, 1.0A(Max.)

Output: DC 5V, 2.4A(Max.)



Polarity of DC plug



Dimension of DC plug



Length of DC plug

6. Windows 98 SE Driver Installation

6.1 Driver Installation

1. Boots up your portable computer.
2. When **Add New Hardware Wizard** displays **NEC USB Open Host Controller**, press **Next**.
3. Insert Windows 98SE CD-Title into your CD-ROM.
4. Choose **Search for the best driver for you device. [Recommended]**, click **Next, Next, Next, Next**, then click **Finish**.
5. Repeat step 2-4 one more time to install USB 1.1 driver.
6. When **Add New Hardware Wizard** displays **PCI Universal Serial Bus**, then click **Next**. Choose **Search for the best driver for your device [Recommended]**, click **Cancel**.
7. Remove the Windows 98SE CD-title and insert **USB 2.0 driver CD** into your CD-ROM drive.
8. Go to **My Computer ...**
9. Click **CD-ROM drive...**
10. Double click **Setup** to install the USB 2.0 driver.
11. When **Finished** displays, select **Yes, I want to restart my computer now**, then click **Close**.
12. Remove **USB 2.0 driver CD** and restart your system to complete the installation.

6.2 Eject USB 2.0 CardBus adapter under Windows 98 SE

1. Right click **My Computer**, select **Properties**, click **Device Manager**, then double click **Universal Serial Bus controllers**.
2. Select **NEC USB Open Host Controller**, click **Remove**, click **OK**.
3. Click **Universal Serial Bus controllers** again.
4. Select **NEC USB Open Host Controller**, click **Remove**, click **OK**.

5. Click **Universal Serial Bus controllers** again.
6. Select **NEC PCI to USB Enhanced Host Controller**, click **Remove**, then click **OK**.
7. Now you can softly eject USB 2.0 CardBus adapter.

7. Windows ME Driver Installation

7.1 Driver Installation

1. Boots up your portable computer.
2. Windows ME will automatically detect the new hardware.
3. Insert **USB 2.0 driver CD** into your CD-ROM drive.
4. When **Add New Hardware Wizard** displays **PCI Universal Serial Bus**, choose **Automatic search for a better driver (recommended)** and click **Cancel**.
5. Go to **My Computer ...**
6. Click **CD-ROM drive...**
7. Double click **Setup** to install the USB 2.0 driver.
8. When **Finished** displays, select **Yes, I want to restart my computer now**, then click **Close**.
9. Remove **USB 2.0 driver CD** and restart your system to complete the installation

7.2 Eject USB 2.0 CardBus adapter under Windows ME

1. Right click **My Computer**, select **Properties**, click **Device Manager**, then double click **Universal Serial Bus controllers**.
2. Select **NEC USB Open Host Controller [E13+]**, click **Remove**, then click **OK**.
3. Click **Universal Serial Bus controllers** again.

4. Select **NEC USB Open Host Controller [E13+]**, click **Remove**, then click **OK**.
5. Click **Universal Serial Bus controllers** again.
6. Select **NEC PCI to USB Enhanced Host Controller**, click **Remove**, then click **OK**.
7. Now you can softly eject USB 2.0 CardBus adapter.

8. Windows 2000 Driver Installation

8.1 Driver Installation

1. Boots up your portable computer.
2. Windows 2000 will automatically detect the new hardware.
3. Insert **USB 2.0 driver CD** into your CD-ROM drive.
4. When **Found New hardware Wizard** displays, click **Cancel**.
5. Go to **My Computer...**
6. Click **CD-ROM drive...**
7. Double click **Setup** to install the USB 2.0 driver.
8. When **Finished** displays, select **Yes, I want to restart my computer now**, then click **Close**.
9. Remove **USB 2.0 driver CD** and restart your system to complete the installation.

8.2 Eject USB 2.0 CardBus adapter under Windows 2000

1. Go to Taskbar, click PC Card icon.
2. Select **Stop NEC to USB Enhanced Host Controller**.
3. When **Safe To Remove Hardware** dialogue displays, click **OK**.
4. Now you can softly eject USB 2.0 CardBus adapter.

9. Windows XP Driver Installation

9.1 Driver Installation

1. Boots up your portable computer.
2. Windows XP will automatically detect the new hardware.
3. Insert **USB 2.0 driver CD** into your CD-ROM drive.
4. While **Found New hardware Wizard** displays, click **Cancel**.
5. Go to **My Computer...**
6. Click **CD-ROM drive...**
7. Double click **Setup** to install the USB 2.0 driver.
8. When **Finished** displays, select **Yes, I want to restart my computer now**.
9. Remove **USB 2.0 driver CD** and click **Close** to restart your system
10. When **Found New Hardware Wizard** displays **NEC PCI to USB Enhanced Host Controller**, choose **Install the software automatically [Recommended]** and click **Next**, then click **Finish**.
11. When **Found New Hardware Wizard** displays **USB 2.0 Root Hub Device**, choose **Install the software automatically [Recommended]** and click **Next**, then click **Finish**.
12. Repeat steps 10 and 11.
13. Restart Windows to complete the installation.

9.2 Eject USB 2.0 CardBus adapter under Windows XP

1. Go to Taskbar, click PC Card icon.
2. Select **Safely remove NEC PCI to USB Enhanced Host Controller**.
3. When **Safe to Remove Hardware** dialogue displays, you can softly eject USB 2.0 CardBus adapter.

**To Verify successful driver installation under
Windows 98SE/ME/2000 (SP3 or earlier)/XP**

1. Right click **My Computer**, then click **Properties**. Click **Device Manager** tab.
2. Under the first **Universal Serial Bus Controllers**:
 - **NEC PCI to USB Enhanced Host Controller**
 - **USB 2.0 Root Hub Device**
3. Under the second **Universal Serial Bus Controllers**:
 - **NEC PCI to USB Open Host Controller**
 - **NEC PCI to USB Open Host Controller**
 - **USB Root Hub**
 - **USB Root Hub**

**To Verify successful driver installation under
Windows 2000 (SP4 or later)/XP (SP1 or later)**

1. Right click **My Computer**, then click **Manage**. Click **Device Manager**.
2. Under the **Universal Serial Bus Controllers**:
 - **NEC PCI to USB Open Host Controller**
 - **NEC PCI to USB Open Host Controller**
 - **Standard Enhanced PCI to USB Host Controller**
 - **USB Root Hub (USB 2.0 Root Hub in Windows 2000)**
 - **USB Root Hub**
 - **USB Root Hub**

