

USB 2.0 PCI Host Adapter

Quick Installation Guide

1. Introduction

The USB 2.0 4+1 port / 2+1 port PCI adds extra external and internal high-speed USB 2.0 ports to your system. It provides high-speed (480 Mbps), full-speed (12 Mbps), and low-speed (1.5 Mbps) data transfer modes.

1-1 Features and Benefits

- Compliant with USB 2.0 and PCI v2.2 specification
- Adds 4-external (or 2-external) and 1-internal USB 2.0 (480Mbps) ports into your system--with full backward support for USB 1.1 devices
- Hot-swapping feature allows you to attach/detach USB devices without first powering your computer off
- Works with a variety of USB2.0/1.1 devices including hubs, data storage devices, PC video cameras, digital cameras, CD-R/RWs, DVD-ROM/RAMs, scanners, printers, CF/SM/SD/MMC/Memory Stick memory card readers/writers, and more

1-2 System Requirements:

- Pentium or equivalent PC computer with one available PCI slot
- Windows 98SE or later

2. Installation

2-1 Static Electricity Precaution

One of the routine precautions you must be aware of when working with computer components is the problem of static electricity discharge.

Caution: Static Electricity Discharge may permanently damage your system. To avoid possible static electricity discharge during the installation, please follow the guidelines below:

- Discharge any static electricity build up in your body by touching a large grounded metal surface or the computer case (if plugged in) for a few seconds.
- During the installation, avoid any contact with internal parts.

2-2 Hardware Installation

1. Turn OFF the power of your computer and any other connected peripheral devices.
2. Unplug the power cord from the back of the computer.
3. Remove your computer's cover.
4. Remove the slot bracket from an available PCI slot.
5. To install the card, carefully align the card's bus connector with the selected PCI slot on the motherboard. Push the board down firmly, but gently, until it is well seated.
6. Close the cover of your computer and plug the power back to your computer.

2-3 Driver Installation

2-3.1 Windows 98SE Driver Installation

1. After installing the board, boots up your system.

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.

2-3.2 Windows ME Driver Installation

1. After installing the board, boots up your system.
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

2-3.3 Windows 2000 Driver Installation

1. After installing the board, boots up your system.
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.

2-3.4 Windows XP Driver Installation

1. After installing the board, boots up your system.
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.

**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**

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