

High-Speed USB2.0 PCI Express Card

Installation Guide

1. Introduction

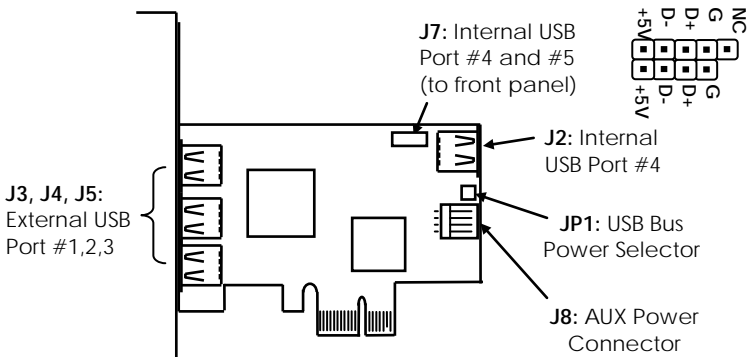
Thank you for purchasing this family of USB2.0 PCI Express Card that integrates 3 external ports and 1 internal. It is the fastest USB card that is fully compatible with the USB1.1 OHCI and USB2.0 EHCI specifications. It supports data speed up to 480 megabits per second (Mbps). That's 40 times faster than USB1.1.

The multiple connection architecture supports concurrent operation of up to 127 physical USB devices while maintaining top speeds. It will accommodate isochronous transfer allowing real time applications such as telephony and audio full access to the entire bus bandwidth, maximizing performance and efficiency.

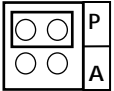
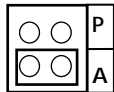
Features:

- ✓ Full x1 PCI Express Throughput, 250Mbytes/sec
- ✓ USB Specification USB2.0 EHCI and 1.1 OHCI compatible
- ✓ 3 USB Type-A Connectors for External Devices
- ✓ One Internal USB Type-A Connector to Front Panel
- ✓ Supports 480/12/1.5 Mbps USB Transfer Rate
- ✓ Supports Windows 98, ME, XP, Windows 2000

2. Board Layout



3. Jumper Settings

| JP1: USB Bus Power Selector | Settings |
|---|--|
| Jumper at "P": The USB2.0 Bus Power is supplied by PCI Express slot of the motherboard (DC+5V supplied from PCB) |  <p>(default)</p> |
| Jumper at "A": The USB2.0 Bus Power is supplied by the AUX power connector (J6). You may need a power cable to connect the DC+5V power from the system power connector to J6 to get the AUX power supplied. This option provide more power for the USB devices over the USB2.0 cable |  |

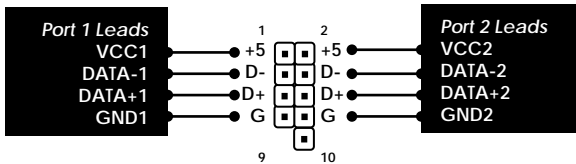
4. Installing USB2.0 PCI Express Card

1. Turn the system power OFF before installation!
2. Use static electricity discharge precautions.
Remove possible static discharge potential from any objects that the combo card may come in contact with before installation. This can be accomplished by touching a bare metal chassis rail after you have turned off the power.
3. Remove the chassis cover from your computer
4. Locate an unused PCI Express slot (typically white or black, and smaller than the PCI slot) and remove the corresponding slot cover from computer chassis.

5. Plug the combo card to the unused PCI Express expansion slot and attach the USB2.0 PCI Express card bracket to the computer chassis screw.
6. Some computer cases provide 2 USB ports in their front panel. If your case has this feature, you will find the leads of the USB flat cable from its front. Usually, leads are labeled; if not, check the manual of your case.



WARNING! A wrong connection may damage your USB devices, USB2.0 card or your motherboard. Please install the cable carefully. After installed the cables, it strongly recommended test with an inexpensive USB device (USB mouse for example). Please don't connect the expensive USB devices unless you are sure you did the right connection.



7. Put the chassis cover back on the computer.
8. Turn ON the power of your computer and peripherals.
9. Proceed with Software Driver Installation in next section.

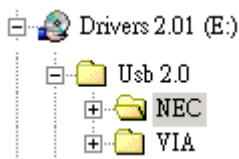
5. Software Driver Installation

The following table gives a summary for the OS supports of the USB2.0 PCI Express Card:

| OS | USB1.1 Supports (12Mbps) | USB2.0 Supports (480Mbps) |
|---------|-----------------------------|------------------------------|
| Win98SE | Yes | Yes (Note 1) |
| Win ME | Yes | Yes (Note 1) |
| Win XP | Yes | Yes (Note 1, 2) |
| Win2000 | Yes | Yes (Note 1, 2) |
| Mac OS | Yes | Yes (only MAC OS X) |



Note 1: Required drivers supplied with this card, they are included in **\Usb 2.0\NEC** path on the driver CD:



Note 2: Drivers are available from Microsoft with Service Pack. The WinXP SP1 and W2K SP4 (see article 319973)

There are two kinds of drivers (USB1.1 and 2.0) must be installed for the USB2.0 PCI Express card to function properly. All installations are very straightforward. Please follow the on-screen instructions from each OS to finish the installations.