

Installing USB 2.0 Drivers

Once the card is installed and the computer is restarted, Windows will detect the board and attempt to load the drivers for it.

Installing USB 2.0 drivers in Windows 98

- Windows will detect a “NEC USB Open Host Controller”. Click “Next.”
- Select “Search for the best driver for your device.” Click “Next.”
- Uncheck all boxes in Figure 1. Click “Next.”
- Windows has found an updated driver for this device. Click “Next.” Then Click “Next” again.
- The “Window has finished installing the software that your new hardware device requires” dialog appears. Click “Finish.”
- Repeat the above process for the second NEC USB Open Host Controller.



Figure 1



Figure 2

- After you have installed the two NEC USB Open Host Controllers, Windows will find a “PCI Universal Serial Bus” device. Click “Next.” To continue.
- Another dialog will appear. Select “Display a list of all the drivers in a specific location, so you can select the driver you want”. Click “Next.”
- In the dialog that appears, highlight “USB Controllers”. Click “Next.”



Figure 3

- Click on the “Have Disk” button as shown in figure 4.
- In the dialog that appears, click on the “Browse” button.
- Navigate to the folder that contains the USB 2.0 drivers. Click “OK.”
- A dialog will appear with “NEC PCI to USB Enhanced Host Controller” highlighted, click “Next” to continue.



Figure 4

- The “Windows driver file search for the device” dialog appears with the location of the driver. Click “Next” to continue.
- The “Window has finished installing the software that your new hardware device requires” dialog appears. Click “Finish.”
- Restart Windows.

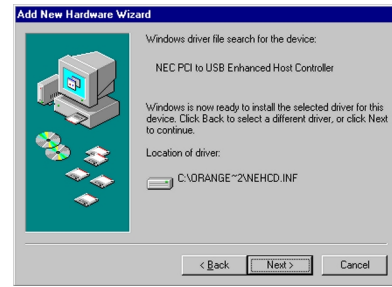


Figure 5

Finalizing USB 2.0 Hi-Speed hardware settings

USB 2.0 Hi-Speed products that use an NEC chipset have 3 USB host controller engines on board. Two of the host controller engines handle USB 1.1 transactions. One of the host controllers engines handle, USB 2.0 transactions.

USB data traffic is automatically routed to the proper host controller engine depending on the speed of the device that is plugged into the USB 2.0 port. This essentially creates 3 concurrent USB buses. These USB buses allow devices to run in a less congested traffic environment. This helps devices such as color printers, scanners, video cameras and mass storage devices, which require a high bandwidth, to work well together.

The NEC PCI to USB Enhanced Host Controller driver handles USB 2.0 Hi-Speed (480 Mbits/s) traffic. The two NEC PCI to USB Open Host Controllers handle Full-Speed (12 Mb/s) and Low-Speed (1.5 Mb/s) traffic.

Check your Windows System/Device Manager to confirm proper installation of USB 2.0 Hi-Speed drivers:

NEC PCI to USB Enhanced Host Controller
 NEC PCI to USB Open Host Controller
 NEC PCI to USB Open Host Controller
 USB Root Hub
 USB Root Hub

