

# PCI IEEE 1394 Adaptor

## User Manual

Ver. 2.00

*All brand names and trademarks are properties of their respective owners.*

## Overview

The IEEE1394 multimedia connection (also known as Fire Wire by Apple Computer, and iLink by Sony) features hot swapping, high-speed performance, peer to peer communication and daisy chained which can accept up to 63 devices connected simultaneously.

The idea of IEEE1394 standard is all other devices and peripherals that connected outside of PC can simply plug into 1394 port instead of opening case and adding a circuit board. IEEE1394 standard is an important enabling technology for the emerging multimedia market.

## Features

- Chipset: Agere FW323 (3 ext. + 1 int. ports)  
Agere FW322 (2 ext. + 1 int. ports)
- Data Transfer Rate: 1394a 400Mbps, OHCI 1.0.
- Bus: PCI 2.1s 32 bit, 33MHz, 3.3V.
- 3 external 1394 6-pin rear connectors and 1 internal 1394 6-pin connector (FW323).
- 2 external 1394 6-pin rear connectors and 1 internal 1394 6-pin connector (FW322).
- Supports up to 63 devices.
- Supports devices hot swap.
- Supports Power class 001<sub>2</sub>(1).
- Auxiliary power connector J4 to increase the power available to 1394a bus to up to 15W.
- MS Windows compatible including DV and SBP-2 drivers, supports all common camcorders, disk drives, printers and scanners with 1394 interfaces.
- Supports Windows 98, Windows 98SE, Windows ME, Windows 2000 & Windows XP

## Jumper Setting

J3    short 1-2 Normal (default)  
      short 2-3 Reserved (for manufacturing purpose)

## Notes

- For FW323, the external 1394 connector J3B shares with the internal connector J3A. If both connectors are connected to devices, only the device connected to J3B will work.
- For FW322, the external 1394 connector J2 shares with the internal connector J2A. If both connectors are connected to devices, only the device connected to J2 will work.

## Troubleshooting

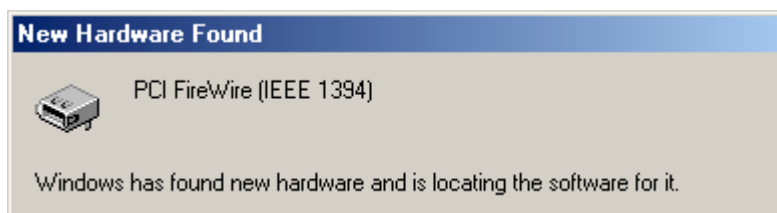
If your system doesn't work properly after connecting to a 1394 device, please turn off your computer. Connect the auxiliary power connector (J4) to power supply and then restart again. If it still doesn't solve the problem, please refer to the specifications of your 1394 device. Check the power consumption and make sure it doesn't exceed 15W.

## Driver Installation

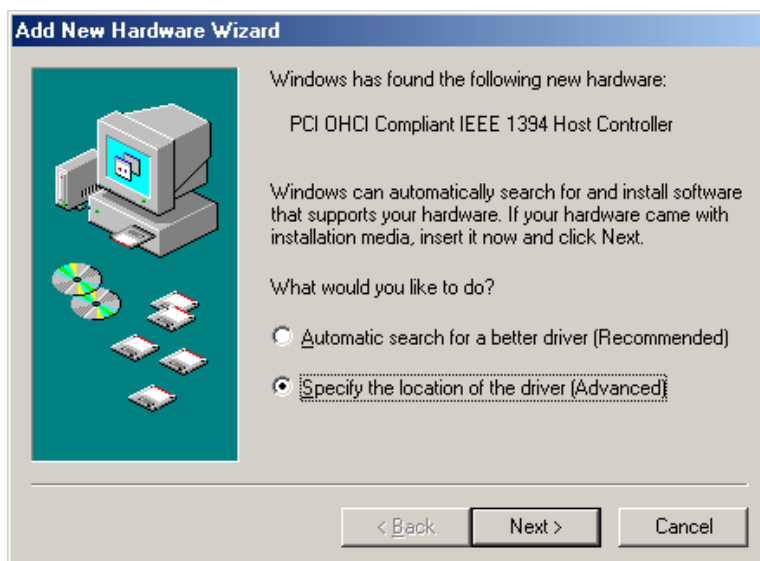
### Windows 98/98SE/ME

Once the IEEE 1394 Host Adaptor is installed and the computer is restarted, Windows will detect the board and attempt to install driver for it.

1. New Hardware Found.



2. **Add New Hardware Wizard** will find "PCI OHCI Compliant IEEE 1394 Host Controller". Select "Specify the location of the driver" and click **Next** to continue.



3. Select "Search for the best driver for your device". Uncheck all boxes and then click **Next**.



4. Windows has found the driver. Click **Next** and Windows will start copying files.



5. Windows has finished the driver installation. Click **Finish**.



#### *Windows 2000 & Windows XP*

After installing the IEEE 1394 Adaptor into an available PCI slot, Windows 2000 & Windows XP will find the new device. It will then install the driver for it seamlessly. Finally, an “OHCI Compliant IEEE 1394 Host Controller” will be added to your system.