IEEE 1394 FIREWIRE HOST CONTROLLER

USER MANUAL

IC-1394

Read this manual thoroughly and follow the installation and operation procedures carefully to prevent any damage to the unit, and/or any of the devices connected to it.

This package contains:

♦ 1 IC-1394 Three Port IEEE 1394 (FireWire) PCI Card
♦ 1 User Manual

If anything is damaged or missing, contact your dealer.

TROUBLESHOOTING

Note: If you are experiencing problems, first make sure that there are no problems with the cables, and that they are all properly connected.

Symptom	Cause	Action
Unit Operates Erratically	Static electricity may cause the unit to operate erratically.	Reset the unit by unplugging the FireWire cable from the IC-1394's IEEE 1394 port, and then reinserting it.

SPECIFICATIONS

Function	Specification
Ports	3 x 6 pin IEEE 1394 Std.
Data Transfer Rate	100, 200, 400 Mbps (Asynchronous, Isochronous)
Standards Support	IEEE 1394; IEEE 1394a
Operating Temperature	5 ~ 40°C
Storage Temperature	-20 ~ 60°C
Humidity	0 ~ 80% RH, Noncondensing
Weight	61 g
Dimensions	13.2 x 7.5 x 1.8 cm

LIMITED WARRANTY

IN NO EVENT SHALL THE DIRECT VENDOR'S LIABILITY EXCEED THE PRICE PAID FOR THE PRODUCT FROM DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THE PRODUCT, DISK, OR ITS DOCUMENTATION.

The direct vendor makes no warranty or representation, expressed, implied, or statutory with respect to the contents or use of this documentation, and especially disclaims its quality, performance, merchantability, or fitness for any particular purpose.

The direct vendor also reserves the right to revise or update the device or documentation without obligation to notify any individual or entity of such revisions, or update. For further inquiries, please contact your direct vendor.

To check that the adapter was correctly installed:

1. Navigate down through the following folders: *My Computer → Control Panel → System*

2. Select the *Device Manager* tab

a) For Windows XP and Windows 2000, Click the **Plus Sign** in front of *IEEE 1394 Bus Host Controllers*.

If the adapter was installed correctly, the following entry will appear:

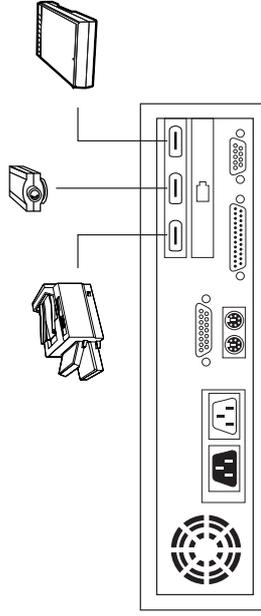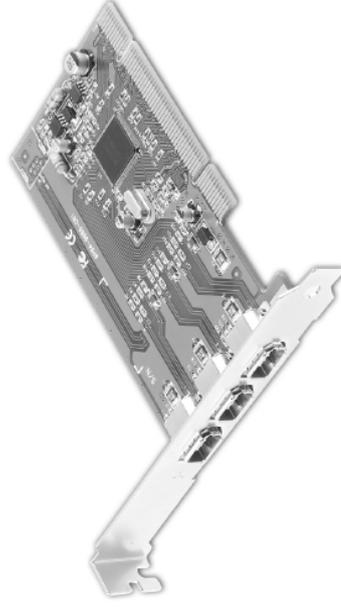`Texas Instruments OHCI Compliant IEEE 1394 Host Controller`

b) For Windows Me, Click the **Plus Sign** in front of *1394 Bus Controllers*.

If the adapter was installed correctly, the following entry will appear:

`Texas Instruments OHCI Compliant IEEE 1394 Host Controller`

c) For Windows 98SE, Click the **Plus Sign** in front of *1394 Bus Controllers*.

If the adapter was installed correctly, the following entry will appear:

`PCI OHCI Compliant IEEE 1394 Host Controller`

CONNECTING PERIPHERALS

Simply plug the cable from the peripheral into any available port.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with the instruction manual, may cause interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

♦ Reorient or relocate the receiving antenna;

♦ Increase the separation between the equipment and re-ceiver;

♦ Connect the equipment into an outlet on a circuit different from that which the receiver is connected;

♦ Consult the dealer or an experienced radio/television tech-nician for help.

INTRODUCTION

OVERVIEW

Faster, less troublesome, more efficient bus technologies, such as USB and IEEE 1394 (FireWire) are gradually replacing traditional ISA bus (serial, parallel) technology

In contrast to the ISA bus which does not offer the speed and connectivity required for today's mass storage and large data transfer needs, the IEEE 1394 (FireWire) interface is valued for its ease of use, high speed data throughput, and chainability (up to 63 interface compliant devices can be connected together).

The IC-1394 3-Port IEEE 1394 PCI Card is a unique and elegant implementation of the FireWire Hub principle. Instead of taking up space on the desktop as a separate unit, it plugs into a PCI slot on the computer's mainboard. In this way, the IC-1394 neatly and efficiently provides three IEEE 1394a compliant FireWire ports to computers that have no FireWire ports, or adds three ports to computers that already do.

Connecting external peripherals is as easy as plugging in cables. The hassle of having to open the computer in order to install complicated hardware and configure jumpers and switches has been eliminated. Configuration is automatic - there is no need to specify memory addresses, IRQ assignments, device IDs, or to plug in terminators.

Hot swapping capability allows IEEE 1394-compliant peripherals to be added and removed seamlessly - without the need to shut the computer down. The card supports data transfer rates of 100, 200, and 400 Mbps (megabits per second), and automatically switches to the highest speed that the peripheral supports.
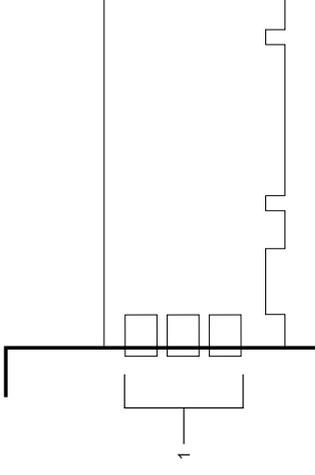
FEATURES

♦ IEEE 1394, IEEE 1394a Compliant

♦ Supports transfer speeds of up to 100, 200, and 400 Mbps; Automatically Uses the Highest Speed the Peripheral Supports

♦ Provides 3 independent, fully functioning downstream ports

♦ Supports Hot Swapping

♦ Installs inside the computer: saves space; allows for a neat and tidy work environment; no cable mess on the desktop

SYSTEM REQUIREMENTS

♦ Windows: Win98 SE / ME / 2000 / XP

♦ An empty PCI slot on the system

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1. IEEE 1394 Ports

INSTALLATION

INSTALLING THE CARD

Install the hub card in the computer's expansion card area in the same way you would install any other expansion card. See your computer's User Manual for details, if necessary.

WINDOWS DRIVER INSTALLATION

1. When Windows boots up, it detects the IC-1394's presence, and the New Hardware Wizard appears; Click on **Next** to continue.

2. In the dialog box that comes up, leave the default choice: *Search for the best drivers for your device*; Click on **Next** to continue.

3. In the dialog box that comes up, Click on **Next** to continue.

4. In the confirmation dialog box that comes up, Click on **Next** to continue. Files are now copied to your hard disk.

5. After the driver files have been copied to the hard disk, a dialog box appears to tell you that the installation has finished. Click on **Finish**.