User's Guide of IEEE 1394 FireWire Adapter

Introduction

The IEEE 1394 is the high speed serial bus standard for providing enhanced PC connectivity to a wide range of peripherals and devices. With transfer speed up to 400Mbps and a wide spectrum of products, 1394 is the preferred choice for high performance connectivity.

The PCI-1394 FireWire Adapter provides a high-speed seamless plug-and-play connection to the latest IEEE 1394 enabled PC peripherals and consumer devices such as Hard disks, MO, printers, zip drives, scanners, stereo and video cameras, camcorders. The adapter provides direct connectivity between the PCI and 1394 serial buses. Each individual port detects connected device types and automatically configures data speed to either 100, 200 or 400 Mbps. The universal plug-and-play capability allows devices to be attached or removed from the system, even with power on.

The high bandwidth capability of PCI-1394 allows devices of varying speed to operate on the same network simultaneously. The PCI-1394 does not utilize precious host processor bandwidth as peripherals communicate directly with each other without burdening the host processor.

Installation of PCI FireWire Host Adapter is very simple. The board is supported by Windows SE, ME, 2000 & XP. No device driver installation is necessary. Full 1394 and OHCI software driver support has been built into Windows 98 SE, ME, 2000 & XP. Just install the board to the PCI slot, and boot your computer. Your computer is instantly PCI-1394 enabled and ready to use with 1394 devices.

User's Guide of IEEE 1394 FireWire Adapter

Features

- **IEEE 1394 FireWire Host Adapter with three IEEE 1394 ports**
- **Flexible to connect 1394 devices**
- **Three fully independent ports to provide maximum peripherals connections**
- **Compliant with IEEE 1394-1394A, and OHCI standard**
- **100/200/400 Mbps data transfer rate**
- **Advanced Power Management :**
  - **Programmable power save mode on unconnected ports**
  - **Sleep mode maximizes connected components power efficiency**
- **6-pin connectors on board (Bus Power, GND, TBP-, TBP+, TPA-, TPA+)**
- **3.3V power supply with 5V tolerant inputs**
- **IRQ and Address assigned by system BIOS**
- **Host interface: 32-bit PCI bus interface**

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Installation in Windows 98 SE, ME, 2000 & XP

1. **Switch off the computer**
2. **Insert the FireWire Host Adapter into a free PCI-bus slot**
3. **Switch on the computer and start Windows 98 SE, ME, 2000 or XP**
4. **The hardware of FireWire Host Adapter is supported by Windows 98 SE, ME, 2000 and XP.**
5. **Once the computer is on, the installation is automatically done.**
6. **The FireWire ports are now ready for use without the need to reboot your computer.**

Checking Installation in Windows SE

You can verify the installation by looking at the "1394 Bus Controller" section in Device Manager (Go there by Start-Setting-Control Panel-System-Device Manager). There you will find a new device "PCI OHCI Compliant IEEE 1394 Host Controller" listed.

Checking Installation in Windows ME & Windows 2000

You can verify the installation by looking at the "1394 Bus Host Controllers" section in Device Manager (Go there by Start-Setting-Control Panel-System-Device Manager). There you will find a new device "VIA OHCI Compliant IEEE 1394 Controller" listed.

Checking Installation in Windows XP

You can verify the installation by looking at the "IEEE 1394 Bus Host Controllers" section in Device Manager (Go there by Start-My Computer-right click the mouse and select "Properties"-System Properties-Hardware-Device Manager). There you will find a new device "VIA OHCI Compliant IEEE 1394 Controller" listed.

User's Guide of IEEE 1394 FireWire Hub

Introduction

The IEEE 1394 is the high speed serial bus standard for providing enhanced PC connectivity to a wide range of peripherals and devices. With transfer speed up to 400Mbps and a wide spectrum of products, 1394 is the preferred choice for high performance connectivity.

The VScom FireWire Hub provides a high-speed seamless plug-and-play connection to the latest IEEE 1394 enabled PC peripherals and consumer devices such as Hard disks, MO, printers, zip drives, scanners, stereo and video cameras, camcorders. The FireWire Hub provides direct connectivity between the 1394 serial buses and FireWire peripherals. Each individual port detects connected device types and automatically configures data speed to either 100, 200 or 400 Mbps. The universal plug-and-play capability allows devices to be attached or removed from the system, even with power on.

The high bandwidth capability of VScom FireWire Hub allows devices of varying speed to operate on the same network simultaneously. The FireWire Hub does not utilize precious host processor bandwidth as peripherals communicate directly with each other without burdening the host processor.

Installation of VScom FireWire Hub is very simple. The Hub is supported by Windows SE, ME, 2000 , XP & Mac OS 9.0 and above. No device driver installation is necessary. Full 1394 and OHCI software driver support has been built into Windows 98 SE, ME, 2000 , XP & Mac OS9.0 and above . Just plug the power adapter into AC outlet, then plug the power adapter cord to the Hub's power jack, and connect the FireWire hub to an available FireWire port on your computer with the provided 1394 cable. The FireWire Hub is instantly ready to use with 1394 devices, without need to restart your computer.

The VScom FireWire Hub also performs like a repeater to extend the FireWire device connection distance to additional 4.5 meters (15 feet). The maximum cable length of FireWire is 4.5 meters. With the VSCOM FireWire Hub, it repeats 1394 signals to extend this distance limitation.

User's Guide of IEEE 1394 FireWire Hub

Features

- **IEEE 1394 FireWire Hub with easy-access IEEE 1394 ports**
- **Flexible to connect 1394 devices**
- **Plug-and-play and hot-swappable operation**
- **Compliant with IEEE 1394-1394A, and OHCI standard**
- **100/200/400 Mbps data transfer rate**
- **Includes external power adapter 12V/1.5 amp**
- **Includes a 1.8m (6 ft.) 6 pin to 6 pin FireWire cable**
- **6-pin connectors on board (Bus Power, GND, TBP-, TBP+, TPA-, TPA+)**
- **Ideal for connecting digital camcorders, cameras, scanners, hard drives, ZIP drives, MOs, CDRs, CDRWs, DVDs, etc.**
- **Compatible with Windows 98 SE, ME, 2000, XP & MAC OS9.0 and above**
- **Operates in Bus-powered or Self-powered mode**

User's Guide of IEEE 1394 FireWire Hub

Hardware Installation

1. **Connect the power adapter cord into the power jack in the back of the hub.**
2. **Attach the AC adapter to an AC source.**
3. **The LED in the FireWire hub lights on.**
4. **Plug one end of the provided FireWire cable into the hub.**
5. **Connect the other end of the FireWire cable to an available FireWire port on your computer.**
6. **The FireWire ports are now ready for use without the need to reboot your computer.**

Checking Installation in Windows SE

You can verify the installation by looking at the "1394 Bus Controller" section in Device Manager (Go there by Start-Setting-Control Panel-System-Device Manager). There you will find a new device "PCI OHCI Compliant IEEE 1394 Host Controller" listed.

Checking Installation in Windows ME & Windows 2000

You can verify the installation by looking at the "1394 Bus Host Controllers" section in Device Manager (Go there by Start-Setting-Control Panel-System-Device Manager). There you will find a new device "VIA OHCI Compliant IEEE 1394 Controller" listed.

Checking Installation in Windows XP

You can verify the installation by looking at the "IEEE 1394 Bus Host Controllers" section in Device Manager (Go there by Start-My Computer-right click the mouse and select "Properties"-System Properties-Hardware-Device Manager). There you will find a new device "VIA OHCI Compliant IEEE 1394 Controller" listed.

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