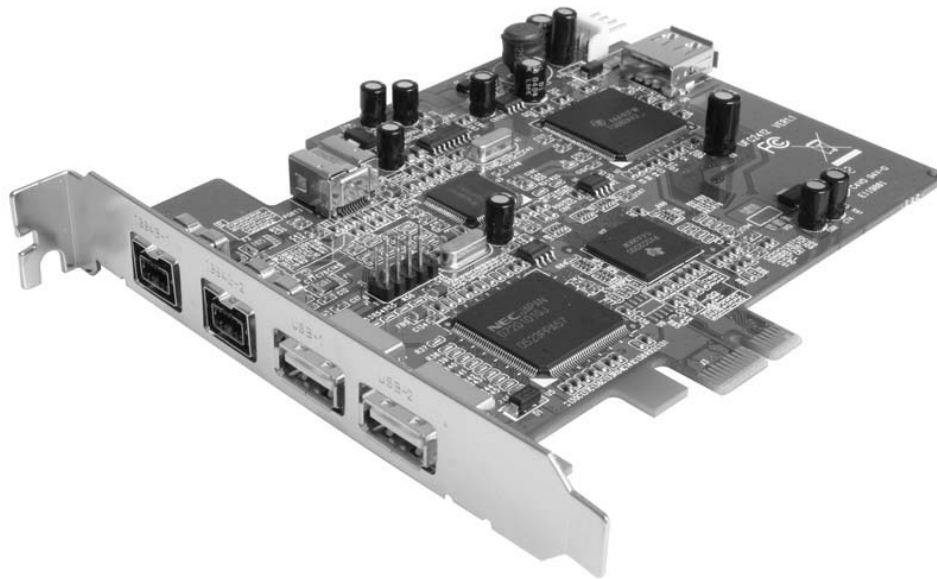


PCI Express FireWire & USB 2.0 card

PCI Express Firewire 800 and USB 2.0 card

PEX3U3F800

Instruction Manual



Actual product may vary from photo

StarTech.com

FCC Compliance Statement

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 instructions, may cause harmful 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 receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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Introduction

Thank you for purchasing a StarTech.com PCI Express FireWire & USB 2.0 combo card. The perfect solution for adding USB 2.0 and FireWire ports to your computer, harnessing the speed and power of PCI Express. Featuring data transfer speeds of up to 800Mbps (FireWire), and 400Mbps (USB 2.0), as well as Plug & Play and hot swap features, you'll be able to quickly install your USB devices without even having to shut down the computer.

Features

- Fully compliant with one-lane 2.5 GB/s PCI Express Specification
- Compliant with IEEE 1394B and 1394A specification
- Data Transfer Rate of up to 800Mbps for Firewire and 400Mbps for USB 2.0
- Built-in 4-pin power connector
- Supports PCI slots with different lane widths (x1, x2, x3, x4, x8, x16)
- Supports Windows 98, 2000, XP, 2003, Linux, and MAC OS

Before You Begin

System Requirements

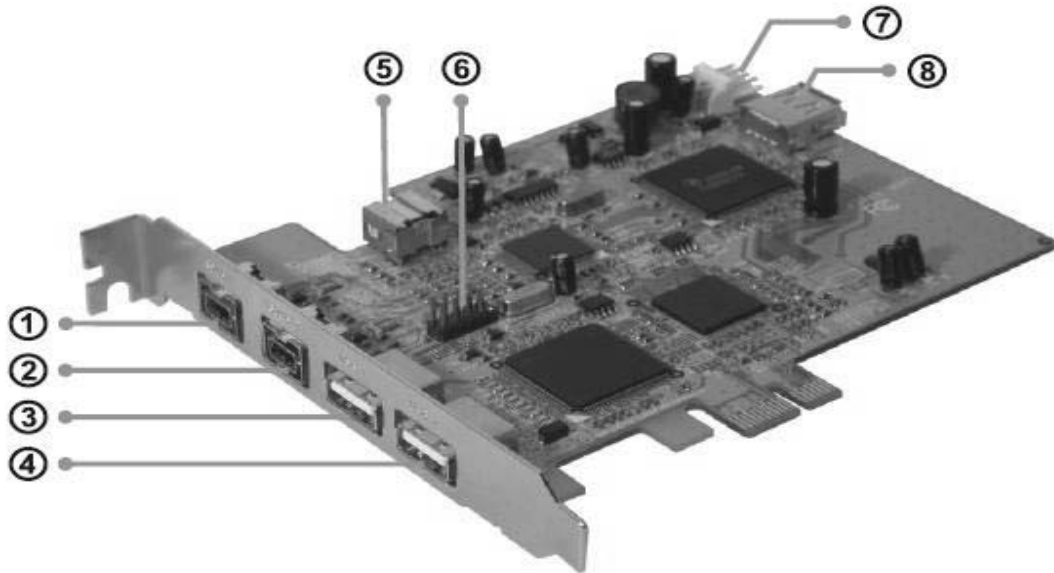
- Pentium-class computer with one available x1, x4, x8 or x16 PCI Express slot
- Microsoft Windows 2000, XP or Server 2003 operating system

Contents

This package should contain:

- PCI Express FireWire and USB 2.0 combo card (1)
- Driver CD ROM (1)
- Instruction Manual (1)

Installation



- 1, 2 - IEEE1394b FireWire800 Independent External port
- 3, 4 - USB 2.0 High-Speed Independent External port
- 5 - IEEE 1394b FireWire800 Independent Internal port
- 6 - USB2.0 High-Speed Independent Internal port to front panel (optional)
- 7 - 4-pin Internal Power Connector
- 8 - USB 2.0 High-Speed Independent Internal port

Installing the PCI Express card

1. Shut down all power connected to the computer, as well as all devices connected to the computer peripherally (i.e. Printers, Monitors, Scanners etc.). As an added step to ensure safe installation, unplug the power supply from the computer.
2. Remove the computer cover. For more detailed instruction on how to perform this step, please refer to the documentation that was included with your computer at the time of purchase.
3. Locate an empty PCI Express slot, removing the metal bracket covering the accompanying empty port/socket.
4. Position the card above the open PCI Express slot, ensuring that the card is properly aligned with the slot. Insert the card firmly into the slot, distributing force evenly across the length of the board. Once inserted, secure the card into the adjoining socket (previously covered by metal bracket), using the correct size screw (if necessary, please consult documentation that accompanied purchase of computer).
5. Replace the computer cover and re-connect all power to the computer.

Driver installation

Once the computer is fully booted following the physical installation of the card, Windows will install the necessary support files in order for the added ports to function. To maximize the performance of the card, please install the software from the PCI Express card Driver CD:

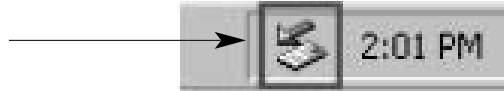
1. Insert the Driver CD into your CD/DVD-ROM drive.
2. Browse to, and execute the Setup.exe file:

D:\USB\USB2.0-NEC\Windows\Setup.exe, where D:\ designates your CD/DVD-ROM drive. This will install the necessary software for the added USB ports. Similarly, please locate and execute the **Setup.exe** file located in **D:\1394**, which will install the necessary software for the newly added FireWire ports.



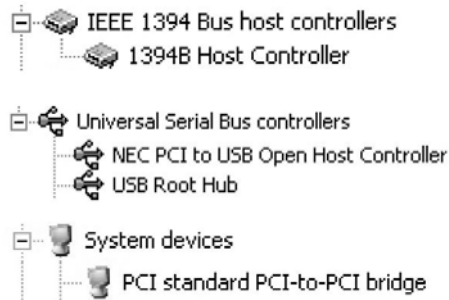
3. The driver will install automatically. To ensure optimal functionality, please do not break off the installation, once it is in progress. Please note that unplugging a device without first stopping operation can cause the computer to crash, risking any unsaved data. Please ensure that any devices being removed are not operating when detached from the computer. One way to ensure that the device(s) are safely unplugged would be to locate the following icon on the taskbar (if available):

Please click on the icon to launch the hardware removal wizard.



Verifying installation

Once the PCI Express card has been installed, browse to the **Device Manager (Start > Control Panel > System > Hardware > Device Manager)** to verify that the card has been successfully installed. Once the **Device Manager** has loaded, please click on the **[+]** symbols located next to **Universal Serial Bus controllers**, **IEEE 1394 Bus host controllers**, and **System devices** which will look like the following, if correctly installed:



Following this, your card will be ready for use.

Troubleshooting

I cannot install the PCI Express card drivers properly

Often times, this problem is caused by an operating system that has not yet been updated to recent standards (i.e. Windows XP will require the most recent Service Packs):

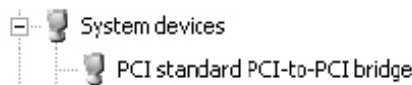
Please ensure that the most recent updates have been applied to your operating system:

Right-click on **My Computer** and select **Properties** to check your operating system service pack version, as illustrated below:



The computer cannot detect the PCI Express card

1. Ensure that the PCI Express card is correctly plugged into the PCI Express slot. If it is not, please reseat the card.
2. If the PCI Express card is plugged in correctly, remove the card and verify that the gold conduits which are in contact with the PCI Express slot are clean. If not, please clean the connector surface.
3. Please enter the **Device Manager** to verify that **PCI standard PCI to PCI bridge** appears beneath **System Device** as shown here:



If you cannot find this information in the device manager, please upgrade your motherboard BIOS to the latest version.

Specifications

Standards	<p>Compliant with 1394 Open Host Controller Interface Specification 1.1</p> <p>IEEE P1394b and backwards supports 1394a-2000 as well as 1394-1995 standards</p> <p>Fully supports EHCI and OHCI Compliant standards</p> <p>Supports Universal Serial Bus specification revision 2.0</p>
Port	<p>Two external and one internal independent FireWire ports</p> <p>Independent four external and one internal USB2.0 high speed ports</p>
Speed: Data Transfer rate	<p>FireWire: 100, 200, 400 and 800 Mbps</p> <p>USB: 480Mbps(high-speed), 12Mbps (full-speed), 1.5Mbps(Low-speed)</p>
Operating System support	<p>Windows2000/XP/2003/, Linux 2.4x, 2.6x, and MAC G5</p>

Technical Support

StarTech.com's lifetime technical support is an integral part of our commitment to provide industry-leading solutions. If you ever need help with your product, visit www.startech.com/support and access our comprehensive selection of online tools, documentation, and downloads.

Warranty Information

This product is backed by a lifetime warranty. In addition, StarTech.com warrants its products against defects in materials and workmanship for the periods noted, following the initial date of purchase. During this period, the products may be returned for repair, or replacement with equivalent products at our discretion. The warranty covers parts and labor costs only. StarTech.com does not warrant its products from defects or damages arising from misuse, abuse, alteration, or normal wear and tear.

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