

**MPEX1394B3**

**Instruction Manual**

# **Mini PCI Express FireWire Adapter Card**

**3-Port Mini PCI Express to  
1394b FireWire Adapter Card**

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## **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

The MPEX1394B3 3-Port Mini PCI Express to FireWire800 and FireWire400 adapter card allows for adding external FireWire connectivity to very small form factor or embedded systems. Providing two FireWire800 (1394b) and one FireWire400 (1394a) ports, this adapter card supports the latest external FireWire storage devices at speeds up to 800 Mbps.

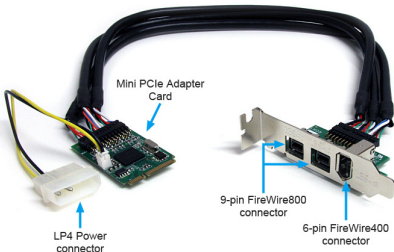
Using the Mini PCI Express (Mini Card) form factor, this adapter card is designed for use in the latest very small form factor computer systems, such as Mini-ITX or custom embedded solutions where a full sized PCI Express card would not fit.

## Packaging Contents

- 1 x Mini PCI Express FireWire card
- 1 x Full Profile Installation Bracket
- 1 x Installation CD
- 1 x Instruction Manual

## System Requirements

- PCI Express enabled system with available full length Mini PCI Express slot
- Case/Chassis with available Low or Full profile expansion card slot
- Microsoft® Windows® 2000/XP/Server 2003/Vista/Server 2008 R2/7 (32/64-bit), or Linux®



\*actual product may vary from photos

# Installation

**WARNING!** Mini PCI Express cards, like all computer equipment, can be severely damaged by static electricity. Be sure that you are properly grounded before opening your computer case or touching your Mini PCI Express card. StarTech.com recommends that you wear an anti-static strap when installing any computer component. If an anti-static strap is unavailable, discharge yourself of any static electricity build-up by touching a large grounded metal surface (such as the computer case) for several seconds. Also be careful to handle the Mini PCI Express card by its edges and not the gold connectors.

## Hardware Installation

1. Line up and insert the Mini PCI Express card (Mini Card) into the Mini PCI Express slot on the system board. Make sure to match up the gap in the card edge connector, with the notch in the slot.
2. Securely fasten the card to the motherboard.

**NOTE:** Different systems may have different methods for installing Mini Cards, so please refer to documentation for your system/board for more specific installation instructions for your particular application.

3. Connect the LP4 power connector from the Mini Card to an LP4 connector from the system power supply.
4. Locate an open expansion card slot (i.e. PCI, PCI Express, etc.) and remove the metal cover plate on the rear of the system case/chassis.
5. Place the expansion card bracket from the Mini Card in the opening and fasten the card's bracket to the rear of the case.

**NOTE:** If the system case/chassis only supports full profile brackets, replacing the pre-installed low profile bracket with the included full profile installation bracket may be necessary.

## Driver Installation

No driver or software installation is required for supported operating systems, as this card is natively supported.

## Specifications

<b>Host Interface</b>	PCI Express Mini Card revision 1.2
<b>Form Factor</b>	Full Length Mini PCIe Full/Low Profile Card Bracket
<b>Supported Standards</b>	IEEE 1394b / 1394-2002 / 1394-1995
<b>Chipset ID</b>	LSI L-FW643E2-F139G
<b>External Connectors</b>	2 x 9-pin FireWire female 1 x 6-pin FireWire female
<b>Internal Connectors</b>	1 x LP4 Power male
<b>Maximum Data Transfer Rate</b>	<b>FireWire800:</b> 800 Mbps <b>FireWire400:</b> 400 Mbps
<b>Operating Temperature</b>	0°C ~ 70°C (32°F ~ 158°F)
<b>Storage Temperature</b>	-54°C ~ 150°C (-65°F ~ 302°F)
<b>Dimension (LxWxH)</b>	50.0mm x 30.0mm x 4.0mm
<b>Weight</b>	6.8g
<b>Compatible Operating Systems</b>	Windows 2000/XP/Server 2003/ Vista/Server 2008 R2/7 (32/64- bit), Linux

## Technical Support

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## Warranty Information

This product is backed by a one year warranty.

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