

**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 PCIe 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.

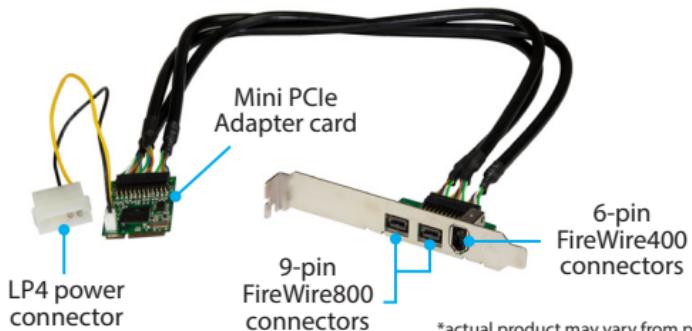
Using the Mini PCIe Express (Mini Card) form factor, this adapter card is designed for use in the latest very small form factor computer systems, such as Mini-ITX, where a full sized PCIe card would not fit.

## Packaging Contents

- 1 x Mini PCIe Express FireWire card
- 1 x Internal Data Cable
- 1 x 4-pin LP4 Molex Adapter Cable
- 1 x Full Profile Installation Bracket
- 1 x Video Editing Software CD
- 1 x Instruction Manual

## System Requirements

- PCI Express enabled system with available full length Mini PCIe Express slot
- Case/Chassis with available Low or Full profile expansion card slot
- Windows® 2000, XP, Vista, 7, 8, 8.1, 10, Windows Server® 2003, 2008 R2, 2012, 2016, Mac OS® 10.6 to 10.12, Linux 3.5.x to 4.4.x LTS Versions Only



# 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

Host Interface	PCI Express Mini Card revision 1.2
Form Factor	Full Length Mini PCIe Full/Low Profile Card Bracket
Supported Standards	IEEE 1394b / 1394-2002 / 1394-1995
Chipset ID	Texas Instruments - XIO2213B
External Connectors	2 x 9-pin FireWire female 1 x 6-pin FireWire female
Internal Connectors	1 x LP4 Power male
Maximum Data Transfer Rate	FireWire800: 800 Mbps FireWire400: 400 Mbps
Operating Temperature	0°C ~ 70°C (32°F ~ 158°F)
Storage Temperature	-54°C ~ 150°C (-65°F ~ 302°F)
Compatible Operating Systems	Windows® 2000, XP, Vista, 7, 8, 8.1, 10 Windows Server® 2003, 2008 R2, 2012, 2016 Mac OS® 10.6 to 10.12 Linux 3.5.x to 4.4.x LTS Versions Only

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## Warranty Information

This product is backed by a one year warranty.

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