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Mini PCI Express FireWire Adapter Card

Actual product may vary from photos

User Manual
SKU#: MPEX1394B3

Manual Revision: 05/12/2020

Compliance Statements

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

Industry Canada Statement

This Class B digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe [B] est conforme à la norme NMB-003 du Canada.

CAN ICES-3 (B)/NMB-3(B)

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Safety Statements

Safety Measures

- Wiring terminations should not be made with the product and/or electric lines under power.
- Cables (including power and charging cables) should be placed and routed to avoid creating electric, tripping or safety hazards.

Mesures de sécurité

- Les terminaisons de câblage ne doivent pas être effectuées lorsque le produit et/ou les câbles électriques sont sous tension.
- Les câbles (y compris les câbles d'alimentation et de chargement) doivent être placés et acheminés de façon à éviter tout risque électrique, de chute ou de sécurité

安全対策

- 電源が入っている状態の製品または電線の終端処理を行わないでください。
- ケーブル（電源ケーブルと充電ケーブルを含む）は、適切な配置と引き回しを行い、電気障害やつまづきの危険性など、安全上のリスクを回避するようにしてください。

Misure di sicurezza

- I terminali dei fili elettrici non devono essere realizzate con il prodotto e/o le linee elettriche sotto tensione.
- I cavi (inclusi i cavi di alimentazione e di ricarica) devono essere posizionati e stesi in modo da evitare pericoli di inciampo, rischi di scosse elettriche o pericoli per la sicurezza.

Säkerhetsåtgärder

- Montering av kabelavslutningar får inte göras när produkten och/eller elledningarna är strömförda.
- Kablar (inklusive elkablar och laddningskablar) ska dras och placeras på så sätt att risk för snubblingsolyckor och andra olyckor kan undvikas.
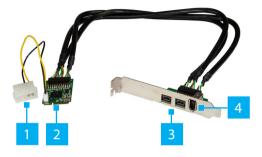
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Product Diagram

	Components	Description
1	*LP4 Power Connector*	• Connects to the **System Power Supply** to power the **Mini Adapter Card**.
2	*Mini PCIe Adapter Card*	• Designed for use in small form factor computer systems (e.g. Mini-ITX).
3	*9-Pin FireWire 800 Connectors*	• Connect **Peripherals** to the **Mini Adapter Card**.
4	*6-Pin FireWire 400 Connector*	• Connect a **Peripheral** to the **Mini Adapter Card**.

Product Information

Package Contents

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

Requirements

- PCI Express enabled system with available full length Mini PCI Express slot.
- Case/Chassis with available Low or Full profile expansion card slot.

Operating System

- Windows® 2000, XP, Vista, 7, 8, 8.1, or 10
- Windows Server® 2003, 2008 R2, 2012, or 2016
- Mac OS® 10.6 to 10.12
- Linux 3.5.x to 4.4.x LTS Versions Only

Tools

- Small Phillips® Head Screwdriver

Hardware Installation

Installing the Full Profile Bracket

By default the **Low Profile Bracket** is attached to the **Mini Adapter Card**. Depending on your system configuration you may need to remove the **Low Profile Bracket** and replace it with the **Full Profile Bracket** (included).

1. Using a **Small Phillips Head Screwdriver** (sold separately), remove the two **Bracket Screws** securing the **Low Profile Bracket** to the **Mini Adapter Card**.

2. Align the **Screw Holes** on the **Mini Adapter Card** with the **Screw Holes** on the **Low Profile Bracket**. Making sure the **Mini Adapter Card** is sitting on top of the **Screw Holes** on the **Full Profile Bracket**.

3. Insert the **Bracket Screws** through the **Mini Adapter Card** and into the **Screw Holes** on the **Full Profile Bracket**.

4. Using the **Small Phillips Head Screwdriver**, tighten the **Bracket Screws,** being careful not to over-tighten.

Installing the Mini Adapter Card

> *Warning! Mini Adapter 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 the Mini Adapter 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. Handle the Mini Adapter Card by its edges and not the gold connectors.*

1. Turn off the **Host Computer** and disconnect any **Peripheral Devices** that are connected (e.g. printer, external hard drives, etc.).

2. Unplug the **Power Cable** from the back of the **Host Computer**.

3. Remove the **Cover** from the **Host Computer's Case**.

   Note: Consult the documentation that came with the **Host Computer** *for details about how to remove the* **Cover** *safely.*

4. Align the **PCIe Connector Gap** on the **Mini Adapter Card** with the notch on the **Mini PCI Express slot** on the **Host Computer's Mother Board**.

5. Gently insert the **Mini Adapter Card** (mini card) into a **Mini PCI Express Slot** on the **Host Computer's Mother Board**.

6. Securely fasten the **Mini Adapter Card** to the **Host Computer's Motherboard**.

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

7. Connect the **LP4 Power Connector** on the **Mini Adapter Card** to an LP4 connector on the **System Power Supply**.

8. Locate an open **Expansion Card Slot** (e.g. PCI, PCI Express, etc.) and remove the **Metal Cover Plate** on the rear of the **Host Computer's Case/Chassis**.

9. Place the expansion card bracket from the **Mini Adapter Card** in the opening and fasten the card's bracket to the rear of the case.

10. Place the **Cover** back onto the **Computer Case**.

11. Reconnect the **Power Cable** to the back of the **Computer**.

12. Reconnect all of the **Peripheral Devices** that were disconnected in step 1.

13. Connect **Peripheral Devices** to the **FireWire Connectors** on the **Mini Adapter Card**.

Driver Installation

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

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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.

For further information on product warranty terms and conditions, please refer to www.startech.com/warranty.

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