

2 Port Mini PCI Express SuperSpeed USB 3.0 Adapter Card with Bracket Kit

MPEXUSB3S22B



*actual product may vary from photos

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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

Packaging Contents

- 1x Mini PCIe USB 3.0 Card
- 1x USB Header to 2 Port Cable
- 1x Standard Profile Bracket
- 1x Low Profile Bracket
- 1x LP4 Power Cable
- 1x Screw Kit
- 1x Driver CD
- 1x Instruction Manual

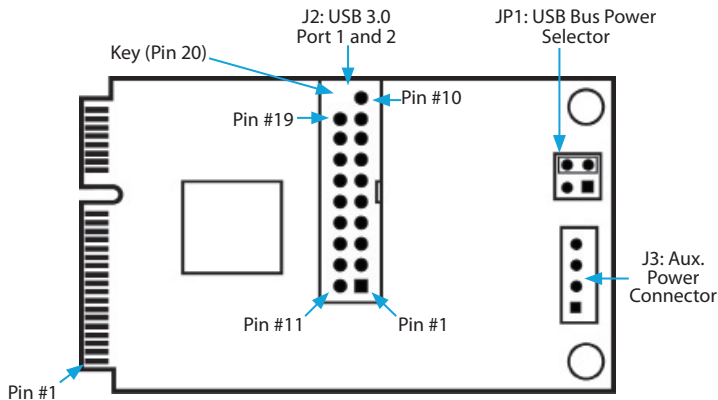
System Requirements

- Available Mini PCI Express expansion slot (full length)
- Case/Chassis with available Low or Full profile expansion card slot

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.

Card Layout



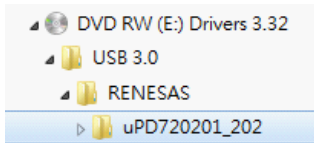
JP1 Jumper Position	Description
Pin 3, 4 (Default)	Power from Mini PCIe bus
Pin 1, 2	Power from J3 connector with Aux. power cable

Installation

1. Line up and insert the Mini PCI Express 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 using the included screws.
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. Attach the USB head cable to the Mini PCI Express card.
4. Locate an open expansion card bay (i.e. PCI, PCI Express, etc) and remove the metal cover plate on the rear of the system case/chassis.
5. If additional power is required, you can either connect an SP4 cable from the system power supply directly to the card, or connect the included SP4 to LP4 adapter cable to the Mini Card, and then to an LP4 connector from the system power supply. Please ensure the power selection jumper has been placed over pins 1,2 as indicated in the chart above.
6. 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

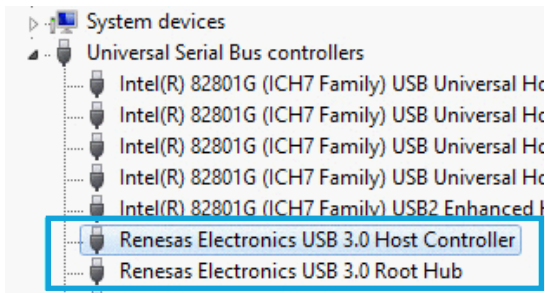
1. Upon starting Windows, if the "Found New Hardware" wizard appears on the screen, cancel/close the window or choose not to install the drivers and insert the included Driver CD into the computer's CD/DVD drive.
2. AutoPlay should automatically launch and display all of the folders on the CD. If not, open the "Computer" ("My Computer" in Windows XP/Server 2003) and double-click on the CD/DVD drive.
3. Enter the folder "USB 3.0 Host", then "NEC" and double-click the file "Setup.exe".



4. This should launch the driver Installation wizard. Continue through the wizard and once complete, all the necessary drivers will be installed.

Verifying Installation

1. Open the Device Manager by right-clicking on Computer, and then select Manage. In the new Computer Management window, select Device Manager from the left window panel (For Windows 8, open the Control Panel and select Device Manager).
2. Expand the Universal Serial Bus controllers section. On a successful install, you should see one device labeled Renesas Electronics USB 3.0 Host Controller , and another labeled Renesas Electronics USB 3.0 Root Hub installed with no exclamation points or question marks.



Specifications

Ports	2
Interface	USB 3.0
Bus Type	Mini PCI Express
Chipset	Renesas - μ PD720202
Industry Standards	PCI Express Base Specification 2.0 (backward compatible with 1.0a/1.1), USB 3.0, Intel xHCI
Connector Type(s)	1x Mini PCI Express x1 (52 pin) Male
Internal Ports	1x SP4 (4 pin; Small Drive Power) Male 1x IDC (20 pin; USB 3.0; Motherboard Header) Male
External Ports	2x USB 3.0 A (9 pin; SuperSpeed) Female
Maximum Data Transfer Rate	USB 3.0 - 5 Gbit/s
OS Compatibility	Windows® 8 (32/64bit), 7 (32/64), Vista(32/64), XP(32/64) Windows® Server 2008 R2, 2003(32/64) Linux
Cable Length	546 mm
Card Dimensions (L x W)	51 x 30 mm
Weight	150 g
Operating Temperature	0°C to 55°C (32°F to 131°F)
Storage Temperature	-20°C to 85°C (-4°F to 185°F)
Humidity	5~95% RH

Technical Support

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Warranty Information

This product is backed by a two year warranty.

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