

## 2 Port Mini PCI Express SuperSpeed USB 3.0 Card Adapter with UASP Support

**Product ID:** MPEXUSB3S2



The MPEXUSB3S2 2-Port Mini PCI Express USB 3.0 Card Adapter adds two external USB ports to small form-factor systems, for connecting a variety of different peripherals.

Compliant with the SuperSpeed USB 3.0 specification, with support for transfer speeds up to 5 Gbps (10x faster than USB 2.0) and power output up to 900 mA.

Enhanced with UASP support (USB Attached SCSI Protocol), this USB 3.0 controller performs up to 70% faster than conventional USB 3.0 when paired with a (Note: UASP requires a compatible operating system). Using a more efficient protocol than the traditional USB BOT (Bulk-Only Transport), UASP technology optimizes transfers by allowing multiple commands to be processed simultaneously, significantly increasing transfer speeds for less wait time on data transfers. See our UASP test results below for further details.

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 standard PCIe card would not fit.

Backed by a StarTech.com 2-year warranty and free lifetime technical support.

UASP is supported in Windows 8, Server 2012 and Linux kernel 2.6.3 or later. In testing UASP performed with up to a 70% faster read / 40% faster write speed over traditional USB 3.0 at peak performance.

At the same peak in testing, UASP also showed up to an 80% reduction in required processor resources.

Test results were obtained using an Intel Ivy Bridge system, StarTech.com add-on USB 3.0 cards, a UASP-enabled StarTech.com enclosure, and a SATA III solid state drive.

## Certifications, Reports and Compatibility

## Applications

- Custom embedded systems with no room for full or even low profile PCI Express cards
- System builders creating a small form factor HTPC with external USB 3.0 storage or other peripherals
- Connecting external USB 3.0 storage devices for quick backup or archiving
- Adding two additional USB ports to a mini-ITX system

## Features

- Two external USB 3.0 type A ports
- Provides up to 900mA of power per port
- Includes a Low Profile/half-height installation bracket
- Backward compatible with USB 2.0 and USB 1.0/1.1 devices
- Fully compliant with USB 3.0 rev 1.0 specifications and Intel xHCI rev 0.96 specifications, with transfer rates up to 5Gbps
- Supports Control/Bulk/Interrupt/Isochronous USB transfer modes
- Compliant with PCI Express Mini Card specification 1.2
- UASP support for more efficient data transfer

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### Hardware

Warranty	2 Years
Ports	2
Interface	USB 3.0
Bus Type	mini PCI Express
Card Type	Embedded
Chipset ID	Renesas/NEC - PD720200

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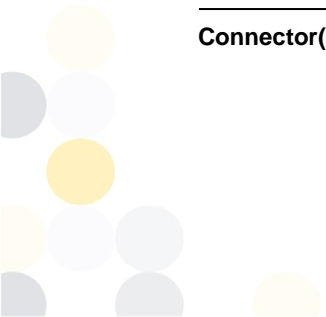
### Performance

Type and Rate	USB 3.0 - 5 Gbit/s
UASP Support	Yes

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### Connector(s)

Connector Type(s)	Mini PCI Express x1 (52 pin)
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External Ports	USB Type-A (9 pin) USB 3.0 (5 Gbps)
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**Software**

OS Compatibility	Windows XP (32/64-bit)/ Server 2003 (32/64-bit)/ Server 2008 R2/ Vista (32/64-bit)/ 7 (32/64-bit)/ 8 (32/64-bit)
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**Special Notes / Requirements**

System and Cable Requirements	Available Mini PCI Express expansion slot (full length)
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Note	Ensure computer case has an available expansion card slot
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**Environmental**

Operating Temperature	0C to 85C (32F to 185F)
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Storage Temperature	-65C to 125C (-85F to 257F)
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**Physical Characteristics**

Product Length	2.0 in [50 mm]
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Product Width	1.2 in [30 mm]
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Product Height	0.1 in [3 mm]
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Weight of Product	2.5 oz [70.4 g]
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**Packaging Information**

Package Length	8.3 in [21 cm]
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Package Width	5.7 in [14.5 cm]
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Package Height	1.6 in [40 mm]
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Shipping (Package) Weight	6.1 oz [174.2 g]
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**What's in the Box**

Included in Package	Mini PCIe USB 3.0 Card
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Low Profile Bracket

Driver CD

Instruction Manual



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***\*Product appearance and specifications are subject to change without notice.***

