

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

Product ID: PEXUSB3S2



The PEXUSB3S2 PCI Express USB 3.0 card lets you add two USB 3.0 ports to your PC through a PCI Express slot.

Featuring a native NEC PCI Express host controller chipset, the USB 3.0 standard supports transfer rates of up to 5Gbps, while still providing backward compatibility for older USB 2.0 (480Mbps) and 1.1 (12Mbps) devices.

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.

In addition to providing a much faster transfer rate the PEXUSB3S2 USB 3.0 card also supplies 900mA of power per USB port, allowing more and more external devices to operate without the need of an additional power source.

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

UASP is supported in Windows 8 and Server 2012. 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

- Upgrade an older PCIe-based system with USB 3.0 connectivity to fully utilize USB 3.0 devices
- Expand a system's USB capabilities with two additional external USB ports
- Connect additional external hard drives, CD/DVD drives, MP3 players, printers, scanners, webcams, game controllers, digital cameras, etc. to a computer system

Features

- Provides two external USB 3.0 connections
- Fully compliant with USB 3.0 revision 1.0 specifications and Intel xHCI rev0.96 specifications, with transfer rates up to 5 Gbps
- Backward compatible with USB 2.0 and USB 1.0/1.1 devices
- Optionally provides up to 900mA per USB port
- Compliant with PCI Express 2.0 specifications
- Supports up to 127 USB devices per port (requires additional USB hubs)
- Plug-and-Play and Hot-Swap compatible
- Supports Control/Bulk/Interrupt/Isochronous USB Transfer modes
- Includes a Low Profile installation bracket
- Built-in optional LP4 Molex power connector for bus-powered USB devices
- UASP support for more efficient data transfer

Hardware

Warranty	Lifetime
Ports	2
Interface	USB 3.0
Bus Type	PCI Express
Card Type	Standard Profile (LP bracket incl.)
Chipset ID	Renesas/NEC - PD720200

Performance

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



MTBF 11,914 Hours

Connector(s)

Connector Type(s)	PCI Express x1
Internal Ports	LP4 (4 pin; Large Drive Power)
External Ports	USB Type-A (9 pin) USB 3.0 (5 Gbps)

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

Note	The maximum throughput of this card is limited by the bus interface. If used with PCI Express Gen 1.0 enabled computers, the max throughput is 2.5 Gbps. If used with PCI Express Gen 2.0 enabled computers, the max throughput is 5 Gbps.
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Environmental

Operating Temperature	-0C to 50C (32F to 122F)
Storage Temperature	-20C to 60C (-4F to 140F)
Humidity	0~85% RH

Physical Characteristics

Product Length	4.8 in [12.1 cm]
Product Width	3.0 in [76 mm]
Product Height	0.7 in [19 mm]
Weight of Product	2.1 oz [60 g]

Packaging Information

Package Length	6.6 in [16.8 cm]
Package Width	1.0 in [25 mm]
Package Height	5.6 in [14.3 cm]
Shipping (Package) Weight	4.9 oz [140 g]



**What's in the
Box**

Included in Package	PCI Express USB 3.0 Card
	Instruction Manual
	Installation CD
	Low Profile bracket
	LP4 Molex to SATA Adapter

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

