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Data Sheet

4 Port PCI Express PCIe SuperSpeed USB 3.0 Controller Card Adapter with UASP - SATA Power

Product ID: PEXUSB3S4V



The PEXUSB3S4V PCI Express USB 3.0 Card (with SATA Power) adds 4 external USB 3.0 ports to any PCI Express-enabled computer system with support for data rates up to 5 Gbps, while remaining backward compatible with USB 2.0 / 1.x 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 UASP supported enclosure (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.

The card uses a "stacked" port layout that places the ports one on top of the other, enabling all four USB 3.0 ports to be external facing, while still allowing the card to fit into a small form factor/low profile computer system using the included low profile bracket.

Plus, with a built-in SATA power connector, each USB port can provide up to 900mA of power to devices that draw power from a host bus connection (500mA for USB 2.0) by connecting to your computer power supply.

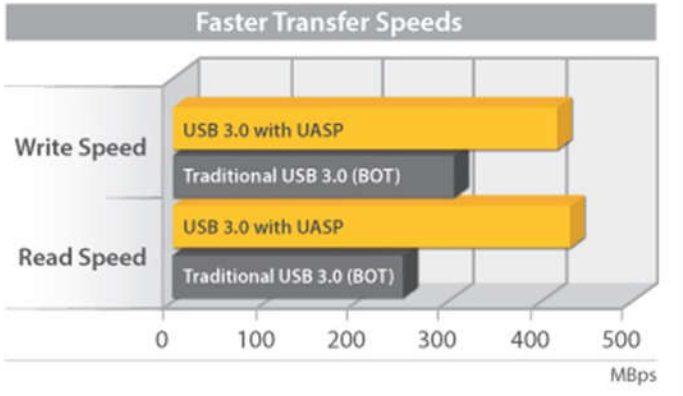
Backed by a StarTech.com 2-year warranty and free lifetime technical support.

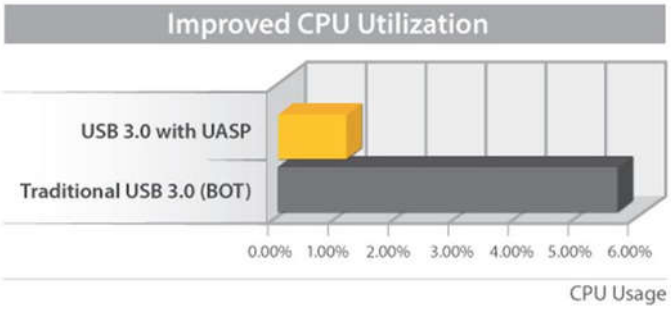
Improved Performance with UASP

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.





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Certifications, Reports and Compatibility

RoHS Compliant Available

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 four additional external USB ports, for connecting additional external hard drives, CD/DVD drives, MP3 players, printers, scanners, webcams, game controllers, digital cameras, etc.

Features

- 4 external USB 3.0 ports in a stacked layout
- UASP support for more efficient data transfer
- Fully compliant with USB 3.0 revision 1.0 specifications and Intel xHCI rev0.95 specifications
- Built-in optional SATA power connector for bus-powered USB devices
- Optionally provides up to 900mA per USB port
- Backward compatible with USB 2.0 and USB 1.0/1.1 devices
- Compliant with PCI Express 2.0 specifications
- Includes a Low Profile/half-height installation bracket

	Warranty	2 Years
Hardware	Bus Type	PCI Express
	Card Type	Standard Profile (LP bracket incl.)
	Chipset ID	Renesas/NEC - µPD720201
	Interface	USB 3.0
	Port Style	Integrated on Card
	Ports	4
Performance	Type and Rate	USB 3.0 - 5 Gbit/s
	UASP Support	Yes
Connector(s)	Connector Type(s)	1 - PCI Express x1 Male
	External Ports	4 - USB Type-A (9 pin) USB 3.0 Female
	Internal Ports	1 - SATA Power (15 pin) Plug
Software	OS Compatibility	Windows® XP, Vista, 7, 8, 8.1, 10 Windows Server® 2003, 2008 R2, 2012, 2012 R2, 2016
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.
	System and Cable Requirements	Available PCI Express expansion slot
Environmental	Humidity	20% ~ 80% RH
	Operating Temperature	5°C to 50°C (41°F to 122°F)
	Storage Temperature	-25°C to 70°C (-13°F to 158°F)
Physical Characteristics	Product Height	2.7 in [68 mm]
	Product Length	3 in [75 mm]
	Product Weight	2.4 oz [68 g]
	Product Width	0.7 in [19 mm]
Packaging Information	Package Quantity	1
	Shipping (Package) Weight	4.9 oz [138 g]
What's in the Box	Included in Package	1 - PCI Express USB 3.0 Card 1 - Low Profile Bracket 1 - Driver CD

1 - Instruction Manual

Product appearance and specifications are subject to change without notice.