4 Port PCI Express PCIe SuperSpeed USB 3.0 Controller Card Adapter with UASP - 5Gbps - SATA Power - TAA

Product ID: PEXUSB3S4V



The PEXUSB3S4V PCI Express USB 3.2 Gen 1 Card (with SATA Power) adds 4 external USB 3.2 Gen 1 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 3.2 Gen 1 controller performs up to 70% faster than conventional USB 3.2 Gen 1 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 3.2 Gen 1 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.

UASP is supported in Windows 8 andServer 2012. In testing UASP performed with up to a 70% faster read / 40% faster write speed over traditional USB 3.2 Gen 1 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 3.2 Gen 1 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 3.2 Gen 1 connectivity, to fully utilize USB 3.2 Gen 1 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 3.2 Gen 1 (5Gbps) ports in a stacked layout

• UASP support for more efficient data transfer

• Fully compliant with USB 3.2 Gen 1 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

General		
	UPC	065030848961
	Package Quantity	1
	Warranty	2 Years
Special Notes / Requirements		
	Special Notes	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
Power		
	Input Voltage	12V DC

	Output Voltage	12V DC
Physical & Environmental		
	Color	Green
	Material	Steel
	Product Length	3.0 in [75 mm]
	Product Width	0.7 in [19 mm]
	Product Height	2.7 in [68 mm]
	Weight of Product	2.4 oz [68 g]
	Operating Temperature	5C to 50C (41F to 122F)
	Storage Temperature	-25C to 70C (-13F to 158F)
	Humidity	20% ~ 80% RH
Performance		
	Type and Rate	USB 3.0 (5Gbps)
	UASP Support	Yes
	MTBF	2,952,227 hours
Hardware		
	Number of Ports	4
	Interface	USB 3.2 Gen 1 (5Gbps)
	Bus Type	PCI Express
	Card Type	Standard Profile (LP bracket incl.)
	Port Style	Integrated on Card
	Chipset ID	Renesas/NEC - PD720201
Packaging & In-the-Box		
	Included in Package	1 - PCI Express USB 3.0 Card
		1 - Low Profile Bracket
		1 - Driver CD

		1 - Instruction Manual
	Package Width	6.4 in [16.2 cm]
	Package Depth	5.2 in [13.1 cm]
	Package Height	1.3 in [33 mm]
	Shipping (Package) Weight	4.9 oz [138 g]
Connector(s)		
	Connector 1 (Quantity)	1
	Connector 1	PCI Express x1
	Connector 2 (Quantity)	4
	Connector 2	USB-A (5Gbps, 4.5W)
	Connector 3 (Quantity)	1
	Connector 3	SATA (15-Pin)

Product appearance and specifications are subject to change without notice.