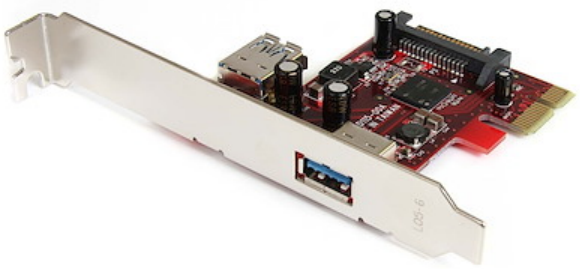
2 port PCI Express SuperSpeed USB 3.0 Card with UASP Support - 5Gbps - 1 Internal 1 External

Product ID: PEXUSB3S11



The PEXUSB3S11 PCI Express USB 3.2 Gen 1 Card lets you add one internal, and one external USB 3.2 Gen 1 port to your PC through a PCI Express slot.

Featuring a native NEC PCI Express host controller chipset, the new USB 3.2 Gen 1 standard supports transfer rates of up to 5Gbps, while still providing backward compatibility with older USB 2.0 (480Mbps) and 1.1 (12Mbps) devices. The inclusion of an internal USB 3.2 Gen 1 connection provides the added benefit of compatibility with USB 3.2 Gen 1-based internal storage solutions or front-bay hubs.

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 (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.

For bus-powered USB devices, this PCIe USB 3.2 Gen 1 card includes an optional SATA power connector to connect to your system power supply and deliver up to 900mA of power per port to USB 3.2 Gen 1 devices (500mA for USB 2.0).

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 3.2 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

• Add one internal and one external SuperSpeed USB 3.2 Gen 1 port to a PCI Express compatible PC for high speed connectivity to USB 3.2 Gen 1 compatible peripherals

• Enable high speed USB communication between your PC and any USB 3.2 Gen 1 enabled external device such as a USB enclosure or Audio Video device

• Add a reliable, fast, hot-swappable, connectivity solution for backups and data archiving for Desktop, Server and Thin-Client computers

Features

• Provides both internal and external USB 3.2 Gen 1 connections

• Optional SATA power connector for up to 900mA per port output

• Fully compliant with USB 3.2 Gen 1 revision 1.0 specifications and Intel xHCI rev0.96 specifications

• UASP support for more efficient data transfer

• PCI Express 2.0 Compliant

• Supports USB transfer speeds of 5Gbps (Super Speed), 480Mbps (High Speed), 12Mbps (Full Speed), and 1.5Mbps (Low Speed)

• Backward compatible with previous USB standards

• USB ports are Hot Swapping and Plug-and-Play compliant

• Supports PCI Bus Power Management Interface Specification revision 1.2

• Fully supports the following USB Communication Types: Control/Bulk/Interrupt/Isochronous Transfer

Hardware

Warranty	Lifetime
Ports	2
Interface	USB 3.2 Gen 1 (5Gbps)

	Bus Type	PCI Express
	Card Type	Standard Profile (LP bracket incl.)
	Chipset ID	Renesas/NEC - PD720202
Performance		
	Type and Rate	USB 3.0 - 5 Gbit/s
	UASP Support	Yes
	MTBF	3,746,084 Hours
Connector(s)		
	Connector Type(s)	1 - PCI Express x1
	Internal Ports	1 - SATA Power (15 pin)
		1 - USB Type-A (9 pin, 5 Gbps)
	External Ports	1 - USB Type-A (9 pin, 5 Gbps)
Software		
	OS Compatibility	Windows XP, Vista, 7, 8/8.1, 10, 11
		Windows Server 2003, 2008 R2
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. Download the Renesas uDP720202 drivers for Revision B. Download the Renesas uDP720200 drivers for all others.
Environmental		
	Operating Temperature	0C to 50C (32F to 122F)
	Storage Temperature	-20C to 60C (-4F to 140F)
	Humidity	0~85% RH
Physical Characteristics		
	Color	Red

	Material	Steel
	Product Length	2.8 in [70 mm]
	Product Width	4.7 in [12 cm]
	Product Height	0.8 in [2 cm]
	Weight of Product	1.3 oz [37 g]
Packaging Information		
	Package Quantity	1
	Package Length	6.7 in [17.0 cm]
	Package Width	5.7 in [14.4 cm]
	Package Height	1.2 in [30 mm]
	Shipping (Package) Weight	4.9 oz [140.0 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.