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

StarTech ID: PEXUSB3S11

The PEXUSB3S11 PCI Express USB 3.0 Card lets you add one internal, and one external USB 3.0 port to your PC through a PCI Express slot.

Featuring a native NEC PCI Express host controller chipset, the new USB 3.0 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 3.0 connection provides the added benefit of compatibility with USB 3.0-based internal storage solutions or front-bay hubs.

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.
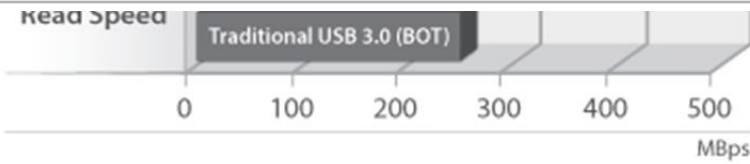
For bus-powered USB devices, this PCIe USB 3.0 card includes an optional SATA power connector to connect to your system power supply and deliver up to 900mA of power per port to USB 3.0 devices (500mA for USB 2.0).

Backed by a StarTech.com lifetime warranty and free lifetime technical support.
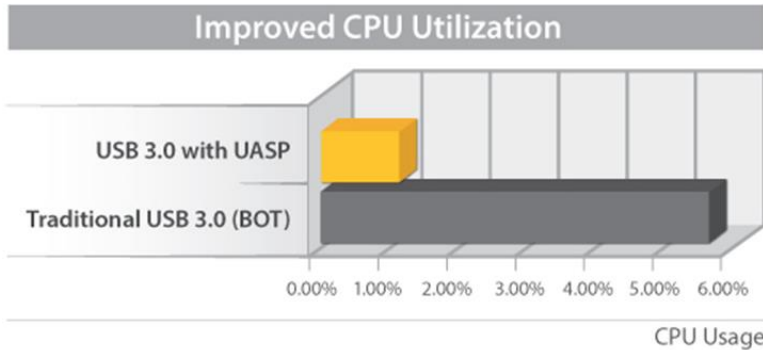
Improved Performance with UASP

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.

Faster Transfer Speeds

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.

Applications

- Add one internal and one external SuperSpeed USB 3.0 port to a PCI Express compatible PC for high speed connectivity to USB 3.0 compatible peripherals
- Enable high speed USB communication between your PC and any USB 3.0 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 3.0 connections
- Optional SATA power connector for up to 900mA per port output
- Fully compliant with USB 3.0 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

Technical Specifications

Warranty	Lifetime
Ports	2
Interface	USB 3.0
Bus Type	PCI Express
Card Type	Standard Profile (LP bracket incl.)
Chipset ID	Renesas/NEC - µPD720200
Connector Type(s)	1 - PCI Express x1 Male
Internal Ports	1 - SATA Power (15 pin) Plug
Internal Ports	1 - USB 3.0 A (9 pin; SuperSpeed) Female
External Ports	1 - USB 3.0 A (9 pin; SuperSpeed) Female
Type and Rate	USB 3.0 - 5 Gbit/s
UASP Support	Yes
MTBF	11,914 Hours
OS Compatibility	Windows® 8 (32/64bit), 7 (32/34), Vista (32/64), XP (32/64) Windows Server® 2008 R2, 2003
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.
Product Length	2.8 in [70 mm]
Product Width	4.7 in [120 mm]
Product Height	0.8 in [20 mm]
Product Weight	1.4 oz [40 g]
Operating Temperature	0°C to 50°C (32°F to 122°F)
Storage Temperature	-20°C to 60°C (-4°F to 140°F)

Package

Included in Package	1 - Low profile bracket
Included in Package	1 - Driver CD
Included in Package	1 - Instruction Manual

Certifications, Reports and Compatibility

RoHS Compliant Available

works with Windows 7

works with Windows 8