2 Port PCI Express (PCIe) SuperSpeed USB 3.0 Card Adapter with UASP - SATA Power

StarTech ID: PEXUSB3S24

The PEXUSB3S24 2-Port PCI Express USB 3.0 Card lets you add two USB 3.0 ports to your PCI Express-enabled computer system, with 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 bus-powered devices (500mA for USB 2.0).

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 is not supported by all operating systems). 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 PCIe USB 3.0 adapter is compliant with USB 3.0 standards for data transfer speeds up to 5 Gbps, while still offering backward compatibility with existing USB 2.0 / 1.1 devices. For added versatility, the controller card is equipped with a standard profile bracket and includes a low-profile/half-height bracket for installation in small form-factor computers.

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

Improved Performance with UASP

UASP is supported in Windows® 8, 8.1, Server 2012 and Linux kernel 2.6.37 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.
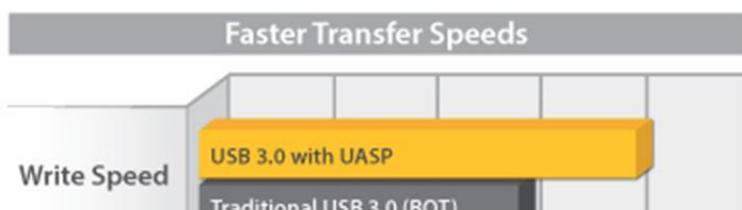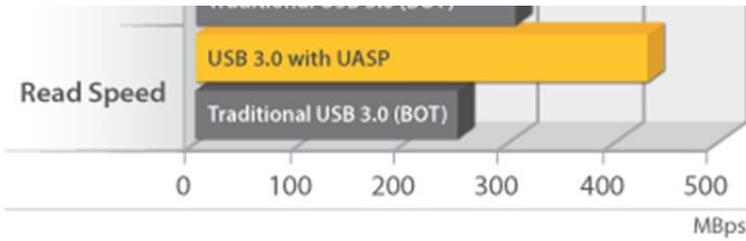
At the same peak in testing, UASP also showed up to an 80% reduction in required processor resources.
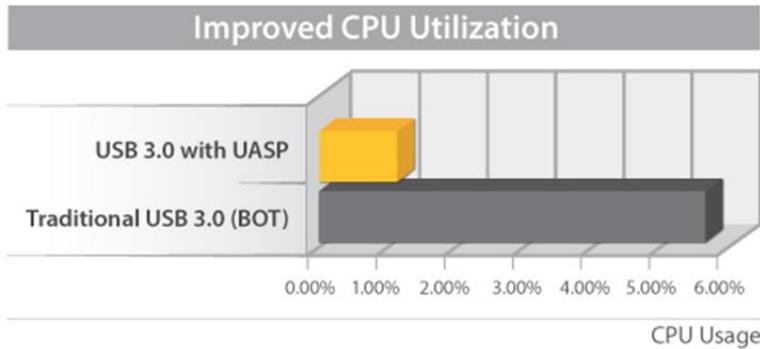
Test results were obtained using an Intel® Ivy Bridge system, StarTech.com add-on USB 3.0 cards, a UASP-enabled StarTech.com enclosure, and a SATA III solid state drive.

Applications

- Upgrade an older PCIe-based system from USB 2.0 to USB 3.0 connectivity
- Expand the USB capabilities of your system with two additional external 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 ports with UASP support
- Supports data rates up to 5 Gbps
- Compliant with PCI Express 2.0 specifications
- Optional SATA power connector provides up to 900mA per USB port
- Supports USB Battery Charging Specification 1.2
- Fully compliant with USB 3.0 rev 1.0 and Intel xHCI rev 1.0 specifications
- Backward compatible with USB 2.0 and USB 1.0/1.1 devices
- Includes a Low-Profile/half-height installation bracket

Technical Specifications

Warranty	2 Years
Ports	2
Interface	USB 3.0
Bus Type	PCI Express
Card Type	Standard Profile (LP bracket incl.)
Port Style	Integrated on Card
Industry Standards	USB 3.0 Specification Rev. 1.0 PCI Express Base Specification Rev. 2.0 Intel xHCI Specification Rev. 1.0
Chipset ID	NEC - µPD720202
Connector Type(s)	1 - PCI Express x1 Male
Internal Ports	1 - SATA Power (15 pin) Plug
External Ports	2 - USB 3.0 A (9 pin; SuperSpeed) Female
Maximum Data Transfer Rate	5 Gbps
Maximum Cable Length	9.8 ft [3 m]
Type and Rate	USB 3.0 - 5 Gbit/s
UASP Support	Yes
OS Compatibility	Windows® 8 / 8.1 (32/64bit), 7 (32/64), Vista (32/64), XP (32/64) Windows Server® 2012, 2008 R2, 2003 Linux 2.6.31 or later
System and Cable Requirements	Available PCI Express slot
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	2.6 in [65 mm]
Product	0.7 in [18 mm]

Width	
Product Height	4.7 in [120 mm]
Product Weight	1.4 oz [40 g]
Operating Temperature	5°C to 50°C (41°F to 122°F)
Storage Temperature	-25°C to 70°C (-13°F to 158°F)
Humidity	20-80% RH
Shipping (Package) Weight	4.6 oz [130 g]
Included in Package	1 - PCI Express USB 3.0 Card
Included in Package	1 - Low Profile Bracket
Included in Package	1 - Driver CD
Included in Package	1 - Instruction Manual

Certifications, Reports and Compatibility