

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

Product 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.

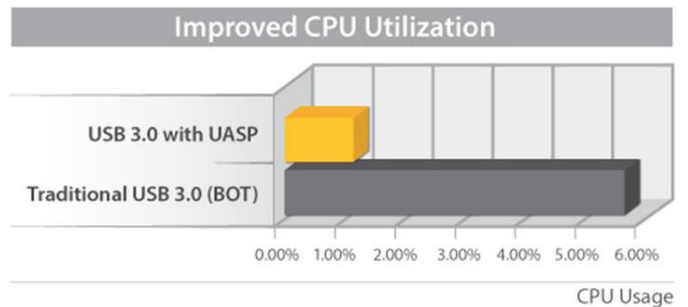
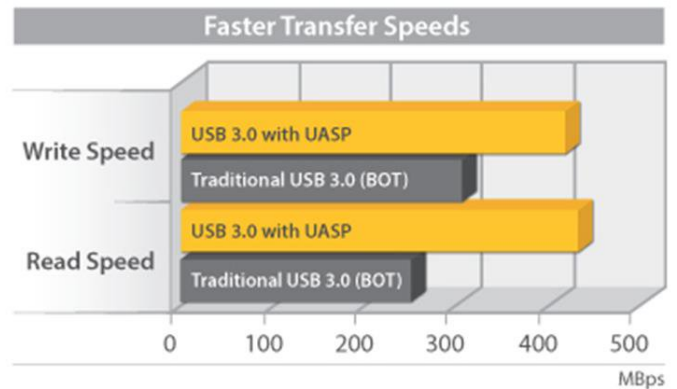
Backed by a StarTech.com 2-year warranty and free lifetime technical support.

### 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.



### Certifications, Reports and Compatibility



### 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

<b>Hardware</b>	Warranty	2 Years
	Bus Type	PCI Express
	Card Type	Standard Profile (LP bracket incl.)
	Chipset ID	Renesas/NEC - $\mu$ PD720202
	Industry Standards	USB 3.0 Specification Rev. 1.0 PCI Express Base Specification Rev. 2.0 Intel xHCI Specification Rev. 1.0
	Interface	USB 3.0
	Port Style	Integrated on Card
	Ports	2
<b>Performance</b>	Maximum Cable Length	9.8 ft [3 m]
	Maximum Data Transfer Rate	5 Gbps
	Type and Rate	USB 3.0 - 5 Gbit/s
	UASP Support	Yes
<b>Connector(s)</b>	Connector Type(s)	1 - PCI Express x1 Male
	External Ports	2 - USB Type-A (9 pin) USB 3.0 Female
	Internal Ports	1 - SATA Power (15 pin) Plug
<b>Software</b>	OS Compatibility	Windows® Vista, 7, 8, 8.1, 10 Windows Server® 2008 R2, 2012, 2012 R2, 2016 Linux 2.6.31 to 4.11.x <i>LTS versions only</i>
<b>Special Notes / Requirements</b>	<b>Note</b>	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 slot
<b>Environmental</b>	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)
<b>Physical Characteristics</b>	Product Height	4.7 in [120 mm]
	Product Length	2.6 in [65 mm]
	Product Weight	1.4 oz [40 g]
	Product Width	0.7 in [18 mm]

<b>Packaging Information</b>	Shipping (Package) Weight	4.6 oz [130 g]
<b>What's in the Box</b>	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.