

## 4 Independent Port PCI Express PCIe SuperSpeed USB 3.0 Controller Card Adapter with UASP - SATA Power

**Product ID:** PEXUSB3S400



The PEXUSB3S400 PCI Express USB 3.0 Card adds 4 independent external USB 3.0 ports to any PCI Express x4-enabled computer system, with full bandwidth support (up to 5Gbps) per port when connected to USB 3.0 devices. Unlike other USB 3.0 cards, which share the maximum bandwidth between multiple ports, the card offers maximum transfer rates to each device when multiple devices are connected.

Further 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 (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.

This 4-port USB 3.0 card features a stacked port layout, which places the ports one on top of the other, so more ports are able to fit into a smaller space. 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, 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.

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 with USB 3.0 connectivity, to fully utilize USB 3.0 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 Independent USB 3.0 ports for up to 5Gbps per port
- UASP support for more efficient data transfer
- Horizontal (stacked) USB port design
- Built-in optional SATA power connector, provides up to 900mA per port for USB 3.0 devices (500mA for USB 2.0)
- Backward compatible with USB 2.0 and USB 1.0/1.1 devices
- Fully compliant with USB 3.0 rev 1.0 and Intel xHCI rev 1.0 specifications
- Includes a low profile/half-height installation bracket

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### Hardware

Warranty	2 Years
Ports	4
Interface	USB 3.0
Bus Type	PCI Express
Card Type	Standard Profile (LP bracket incl.)
Industry Standards	USB 3.0 rev 1.0 and Intel xHCI rev 1.0 specifications
Chipset ID	Renesas/NEC - PD720202

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### Performance

Maximum Data Transfer Rate	5Gbps per port
Type and Rate	USB 3.0 - 5 Gbit/s
UASP Support	Yes

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### Connector(s)



Connector Type(s)	PCI Express x4
Internal Ports	SATA Power (15 pin)
External Ports	USB Type-A (9 pin) USB 3.0 (5 Gbps)

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#### Software

OS Compatibility	Windows 10 (32/64), 8 / 8.1 (32/64), 7 (32/64), Vista (32/64), XP (32/64)  Windows Server 2012, 2008 R2, 2003
Microsoft WHQL Certified	Yes

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#### Special Notes / Requirements

System and Cable Requirements	Available PCI Express expansion 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.

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#### Environmental

Operating Temperature	5C ~ 85C
Storage Temperature	-65C ~ 150C
Humidity	20% ~ 80% RH

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#### Physical Characteristics

Product Length	6.7 in [17.1 cm]
Product Width	2.4 in [60 mm]
Product Height	0.7 in [19 mm]
Weight of Product	3.0 oz [84 g]

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#### Packaging Information

Package Quantity	1
Package Length	5.7 in [14.5 cm]
Package Width	8.3 in [21 cm]
Package Height	1.5 in [38 mm]



Shipping (Package) Weight	6.4 oz [182 g]
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**What's in the Box**

Included in Package	PCIe USB 3.0 Card
	Low Profile Bracket
	Driver CD
	Instruction Manual

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***\*Product appearance and specifications are subject to change without notice.***

