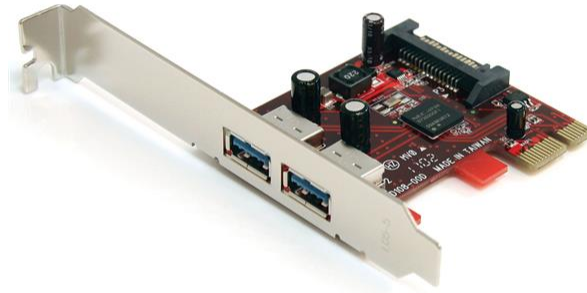


2 Port SuperSpeed USB 3.0 PCI Express Card with UASP - SATA Power

Product ID: PEXUSB3S22



The PEXUSB3S22 2-Port PCI Express SuperSpeed USB 3.0 Card (with SATA Power) lets you add 2 USB 3.0 ports to any PCI Express-enabled computer system. With SuperSpeed USB 3.0, you can reach data transfer speeds up to 5 Gbps, while still being backward compatible with existing USB 2.0 devices at 480Mbps.

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.

With a built-in SATA power connector, each USB port can deliver up to 900mA of power to USB 3.0 devices (500mA for USB 2.0), by connecting to your computer power supply. 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.

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 two additional external USB ports
- Connect additional external hard drives, CD/DVD drives, MP3 players, printers, scanners, webcams, game controllers, digital cameras, etc. to a computer system
- Ideal for newer computer systems with only SATA power connectors or limited number of older LP4 power connectors

Features

- Provides two external USB 3.0 connections
- Includes a Low Profile/half-height installation bracket
- Backward compatible with USB 2.0 and USB 1.0/1.1 devices
- Fully compliant with USB 3.0 revision 1.0 specifications and Intel xHCI rev0.95 specifications, with transfer rates up to 5 Gbps
- Compliant with PCI Express 2.0 specifications
- Built-in optional SATA power connector for bus-powered USB devices
- Optionally provides up to 900mA per USB port
- Support Control/Bulk/Interrupt/Isochronous USB Transfer modes
- UASP support for more efficient data transfer

Hardware

Warranty	2 Years
Ports	2
Interface	USB 3.0
Bus Type	PCI Express
Card Type	Standard Profile (LP bracket incl.)
Chipset ID	Renesas/NEC - PD720200

Performance

Maximum Data Transfer Rate	5 Gbps
UASP Support	Yes



Connector(s)

Connector Type(s)	PCI Express x1
Internal Ports	SATA Power (15 pin)
External Ports	USB Type-A (9 pin) USB 3.0 (5 Gbps)

Software

OS Compatibility	Windows 8 / 8.1 (32/64), 7 (32/64), Vista (32/64), XP (32/64) Windows Server 2012, 2008 R2, 2003
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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.

Environmental

Operating Temperature	5C to 50C (41F to 122F)
Storage Temperature	-25C to 70C (-13F to 158F)
Humidity	20% ~ 80% RH

Physical Characteristics

Product Length	2.8 in [70 mm]
Product Width	2.4 in [60 mm]
Product Height	0.6 in [15 mm]
Weight of Product	1.5 oz [43 g]

Packaging Information

Package Length	6.7 in [17 cm]
Package Width	5.5 in [14 cm]
Package Height	1.2 in [30 mm]
Shipping (Package) Weight	4.6 oz [131 g]



**What's in the
Box**

Included in Package	PCI Express USB 3.0 card
	Instruction Manual
	Driver CD
	Low Profile Bracket

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

