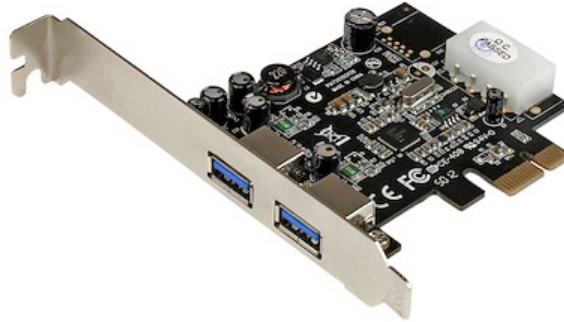2 Port PCI Express (PCIe) SuperSpeed USB 3.0 Card Adapter with UASP - LP4 Power

Product ID: PEXUSB3S25

The PEXUSB3S25 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 LP4 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 (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.

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
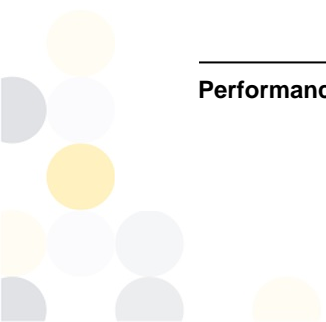
Features

• 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 LP4 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

Hardware

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
	USB Battery Charging Specification Rev. 1.2
	PCI Express Base Specification Rev. 2.0
	Intel xHCI Specification Rev. 1.0
Chipset ID	Renesas/NEC - PD720202

Performance

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
MTBF	38,400 hours

Connector(s)

Connector Type(s)	PCI Express x1
Internal Ports	LP4 (4 pin; Large Drive Power)
External Ports	USB Type-A (9 pin) USB 3.0 (5 Gbps)

Software

OS Compatibility	Windows Vista, 7, 8, 8.1, 10, 11
	Windows Server 2008 R2, 2012, 2012 R2, 2016, 2019
	Linux 2.6.31 to 4.11.x <i>LTS versions only</i>

Special Notes / Requirements

System and Cable Requirements	Available PCI Express slot
Note	Devices that do not comply with the USB Battery Charging Specification may only receive standard USB power.

Environmental

Operating Temperature	0C to 50C (32F to 122F)
Storage Temperature	-20C to 60C (-4F to 140F)
Humidity	5~85% RH

Physical Characteristics

Material	Steel
Product Length	3.2 in [82 mm]
Product Width	0.7 in [18 mm]
Product Height	4.7 in [12 cm]

	Weight of Product	1.8 oz [50 g]

Packaging Information

	Package Length	6.7 in [17.1 cm]
	Package Width	5.6 in [14.3 cm]
	Package Height	1.2 in [30 mm]
	Shipping (Package) Weight	5.4 oz [154 g]

What's in the Box

	Included in Package	PCIe USB 3.0 Card
		Low Profile Bracket
		SATA to LP4 Cable
		Driver CD
		Instruction Manual

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