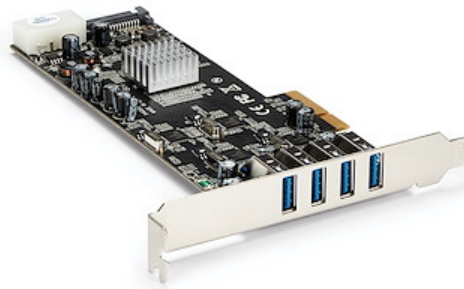4 Port USB 3.0 PCIe Card w/ 4 Dedicated 5Gbps Channels (USB 3.2 Gen 1) - UASP - SATA / LP4
Power - PCI Express Adapter Card

Product ID: PEXUSB3S44V

The PEXUSB3S44V 4-Port PCI Express USB 3.2 Gen 1 Card lets you add four, dedicated 5 Gbps USB 3.2 Gen 1 ports to your PCIe x4-enabled PC. This independent port architecture improves USB 3.2 Gen 1 performance by transferring data on four individual channels to your computer, giving you faster file transfers.

When multiple devices are connected, traditional single bus USB 3.2 Gen 1 cards share your maximum bandwidth between all ports. By employing four host controller chipsets, each port operates on a separate independent transmission channel. Dedicating up to 5 Gbps to each USB port reduces performance bottlenecks, and effectively quadruples your total available to bandwidth to 20 Gbps.

Enhanced with UASP support (USB Attached SCSI Protocol), this USB 3.2 Gen 1 controller performs up to 70% faster than conventional USB 3.2 Gen 1 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.

For high-power USB devices, this PCIe USB 3.2 Gen 1 card includes an optional SATA or LP4 power connector to connect to your system power supply and deliver up to 900mA of power per port to USB 3.2 Gen 1 bus-powered devices (500mA for USB 2.0). The USB 3.2 Gen 1 card also supports USB Battery Charging Specification 1.2 (Apple Mode only), letting you charge compatible Apple devices (iPhones and iPads) faster than a standard USB 3.2 Gen 1 port.

The controller card is compliant with USB 3.2 Gen 1 standards while offering backward compatibility with existing USB 2.0 / 1.1 devices. For added versatility, the USB 3.2 Gen 1 PCIe 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 3.2 Gen 1 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 3.2 Gen 1 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 to USB 3.0 connectivity and UASP support to fully utilize USB 3.0 devices

• Expand the USB capabilities of your system with four external ports for connecting additional external hard drives, CD/DVD drives, MP3 players, printers, scanners, webcams, game controllers, digital cameras, etc. to a computer system

Features

• HIGH-PERFORMANCE EXPANSION CARD: Increase the efficiency of your USB 3.0 devices with four dedicated USB 3.0 channels and up to 5 Gbps of bandwidth per channel with this 4 port USB 3.0 PCIe card

• POWER & CHARGE: Use this USB 3.0 add on card to power high-powered USB devices as necessary, with the optional LP4 or SATA power connector

• MULTI-USE USB CONNECTOR: Connect additional external hard drives, VR headsets, game controllers, digital equipment and more to your computer by connecting this USB adapter card through an internal PCI Express slot

• USB 3.0 WITH UASP SUPPORT: This PCIe to USB adapter card lets you experience speeds up to 70% faster than traditional USB 3.0 when used with a UASP-supported enclosure

• THE IT PRO'S CHOICE: Designed and built for IT Professionals, this 4 port USB 3.0 PCIe card is backed for 2-years, including free lifetime 24/5 multi-lingual technical assistance

Hardware		
	Warranty	2 Years
	Ports	4
	Interface	USB 3.2 Gen 1 (5Gbps)

	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 (Apple Mode only)
		PCI Express Base Specification Rev. 2.0
		Intel xHCI Specification Rev. 1.0
	Chipset ID	Renesas/NEC - PD720202

Performance

	Maximum Data Transfer Rate	5Gbps per port - 20Gbps Total
	Maximum Cable Length	9.8 ft [3 m]
	Type and Rate	USB 3.0 - 5 Gbit/s
	UASP Support	Yes

Connector(s)

	Connector Type(s)	1 - PCI Express x4
	Internal Ports	1 - SATA Power (15 pin)
		1 - LP4 (4 pin; Large Drive Power)
	External Ports	4 - USB Type-A (9 pin, 5 Gbps)

Software

	OS Compatibility	Windows Vista, 7, 8, 8.1, 10, 11
		Windows Server 2008 R2, 2012, 2012 R2, 2016, 2019, 2022
		Linux 2.6.31 and up - <i>LTS Versions only</i>

Special Notes / Requirements

	System and Cable Requirements	Available PCI Express x4 or greater slot

Power

	Input Voltage	12V DC

	Output Voltage	12V DC

Environmental

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

Physical Characteristics

	Color	Black
	Material	Steel
	Product Length	6.6 in [16.7 cm]
	Product Width	0.6 in [1.5 cm]
	Product Height	4.7 in [12.0 cm]
	Weight of Product	3.2 oz [92.0 g]

Packaging Information

	Package Length	8.2 in [20.8 cm]
	Package Width	5.7 in [14.6 cm]
	Package Height	1.5 in [3.8 cm]
	Shipping (Package) Weight	6.8 oz [194.0 g]

What's in the Box

	Included in Package	1 - 4 Port PCIe USB Card
		1 - Low Profile Bracket
		1 - Driver CD
		1 - Instruction Manual

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