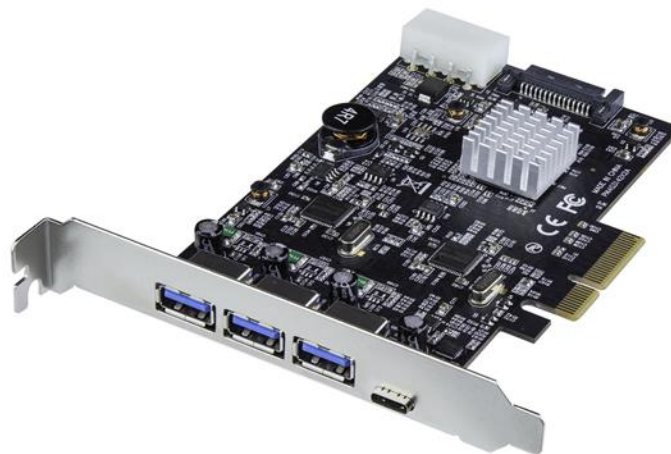# 4-Port USB 3.1 PCIe Card - 3x USB-A and 1x USB-C - 2x Dedicated Channels

Product ID: PEXUS313AC2V

This USB 3.1 PCIe card lets you add three USB Type-A ports and one USB Type-C port to your computer, through a PCI Express slot. It makes it easy to upgrade your PC to the faster speed of USB 3.1 (10Gbps) so that you can access newer peripherals at twice the speed of traditional USB 3.0 (5Gbps) cards.

Faster USB performance

When multiple devices are connected, traditional single-bus USB cards share the maximum bandwidth between all ports. By employing two host controller chipsets, shared across two ports rather than four, this 4-port PCIe to USB 3.1 card dedicates up to 10Gbps for each set of two USB ports. It reduces performance bottlenecks and doubles your total available bandwidth to 20Gbps.

With higher data throughput support, the card is ideal for external hard drives, hard drive enclosures, and large external storage devices. It lets you access multiple devices simultaneously for read and write access.

Shared bandwidth

The 4-port USB 3.1 controller card adds dual independent channels to your computer and shares 10Gbps of bandwidth between two USB ports.

Each set of two ports shares a combined bandwidth of 10Gbps. If a single device is accessing the channel, the card will provide data transfer rates of up to 10Gbps to the device. If two devices are accessing the channel simultaneously, the 10Gbps of bandwidth will be shared between both devices.

The PEXUS313AC2V is backed by a StarTech.com 2-year warranty and free lifetime technical support.

Certifications, Reports and Compatibility

RoHS Compliant
Available

CE

FC

Applications

- Upgrade an older PCIe equipped desktop from USB 3.0/2.0 to USB 3.1 Gen 2 (10Gbps)
- Expand the USB capabilities of your system with four additional USB ports, or add the card to a new PC build
- Ideal for file backups, video editing, and data recovery, using high-bandwidth USB 3.1 Gen 2 external storage solutions

Features

- Add three USB-A and one USB-C external USB 3.1 ports on two independent bus channels
- Transfer files and access USB 3.1 devices faster, with up to 10Gbps throughput
- Connect large external storage solutions: optional LP4 or SATA power connector provides up to 900mA per USB port
- Add room for more devices on your current system
- Compatible with older USB 3.0 and USB 2.0 devices

Hardware	Warranty	2 Years
	Bus Type	PCI Express
	Card Type	Standard Profile
	Chipset ID	ASMedia - ASM1142 Pericom PI7C9X2G308GP
	Industry Standards	USB 3.1 Specification Rev. 1.0 USB Specification Rev. 2.0 PCI Express Base Specification Rev. 2.0 Intel xHCI Specification Rev. 1.1 UASP (USB Attached SCSI Protocol) Rev. 1.0
	Interface	USB 3.1 Gen 2
	Port Style	Integrated on Card
	Ports	4
Performance	Maximum Data Transfer Rate	10Gbps per 2 ports - 20Gbps Total
	Type and Rate	USB 3.1 Gen 2 - 10 Gbit/s
	UASP Support	Yes
Connector(s)	Connector Type(s)	1 - PCI Express x4 Male
	External Ports	3 - USB 3.1 USB Type-A (9 pin, Gen 2, 10 Gbps) Female
		1 - USB Type-C (24 pin) USB 3.1 (10Gbps) Female
	Internal Ports	1 - LP4 (4 pin, Molex Large Drive Power) Male
		1 - SATA Power (15 pin) Plug
Software	OS Compatibility	Windows® 7, 8, 8.1, 10 Windows Server® 2008 R2, 2012 R2, 2016 Mac OS X® 10.9 to 10.10 Linux® 3.5 to 4.14.x *LTS version only*
Special Notes / Requirements	Note	The maximum throughput of this card is limited by the bus interface. PCI Express Gen 1.0 max throughput is 2.5Gbps per lane. PCI Express Gen 2.0 max throughput is 5Gbps per lane. The available bandwidth (10Gbps) is shared equally between the two ports.
	System and Cable Requirements	PCI Express enabled computer or server with a PCI Express x4 slot or higher (x8, x16) Optional SATA power or LP4 Molex connector
Environmental	Humidity	5% ~ 90% RH
	Operating Temperature	0°C to 60°C (32°F to 140°F)
	Storage Temperature	-10°C to 70°C (14°F to 158°F)

Physical Characteristics	Product Height	0.7 in [19 mm]
	Product Length	5 in [126 mm]
	Product Weight	3.5 oz [100 g]
	Product Width	3.1 in [79 mm]
Packaging Information	Shipping (Package) Weight	3.9 oz [110 g]
What's in the Box	Included in Package	1 - controller card
		1 - instruction manual

Product appearance and specifications are subject to change without notice.