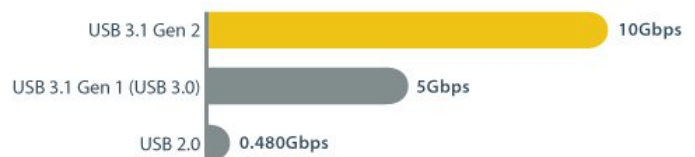# 2-Port USB 3.1 (10Gbps) Card - 2x USB-A - PCIe

Product ID: PEXUSB312A

This USB 3.1 card prepares you for the next generation of USB performance, adding two USB-A ports to your desktop with a combined bandwidth up to 10Gbps. Now you can access USB 3.1 Gen 2 peripherals at twice the speed of traditional USB 3.0 (USB 3.1 Gen 1) devices.

With greater bandwidth you can save time and avoid the performance bottlenecks often associated with other connectivity technologies.

Faster USB performance

By adding 10Gbps USB ports to your computer, you can harness the speed of USB 3.1 Gen 2 and rest assured you're ready for both current and future high-bandwidth USB-A devices.

With higher data throughput, this PCI Express USB 3.1 card is a necessity for external hard drives, hard drive enclosures, and many other USB 3.1 peripherals. Plus, the USB card integrates a SATA power connector to support high-powered devices, making it ideal for use with large external storage solutions. (The card requires a connection to your computer's SATA power connector.)

For more flexibility, you can couple the card with a USB-C to USB-A Cable (USB31AC1M) and connect your USB Type-C™ devices.

Compatible with older USB devices

Connecting older peripherals isn't a problem. This versatile USB 3.1 Gen 2 (10Gbps) card is backward compatible with legacy USB 3.0/2.0 devices that use the common USB Type-A port, so you can eliminate the added expense and aggravation of purchasing new devices.

Easy to install, in virtually any Windows based PC

The USB 3.1 card offers hassle-free installation with no additional software or drivers required in natively supported Windows® 10, 8.1, and 8 operating systems. Plus, the high-quality card includes both standard-profile and low-profile/half-height brackets, making it easy to install in full or small form-factor PCs or servers.

The PEXUSB312A is backed by a StarTech.com 2-year warranty and free lifetime technical support.

Certifications, Reports and Compatibility

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Applications

- Upgrade an older PCIe based desktop from USB 3.0/2.0 to USB 3.1 Gen 2 (10Gbps)
- Expand the USB capabilities of your system, or install the card as a vital hardware component when building a new PC
- Ideal for backing up files, video editing, and data recovery using high-bandwidth USB 3.1 Gen 2 external storage solutions
- Connect your legacy USB devices to your computer

Features

- Transfer files and access USB 3.1 devices faster, with up to 10Gbps throughput
- Expand the overall USB capabilities of your computer by adding two 10Gb USB-A ports
- Fast, hassle-free setup with native support in Windows 10 and 8
- Fits into standard or low-profile systems with a dual-profile design
- Cost-effective backward compatibility
- Compatible with high-powered USB devices, with integrated SATA power providing up to 1.5A per port (connection to SATA power is required)
- Compliant with UASP (USB Attached SCSI Protocol) Revision 1.0
- Compliant with Universal Serial Bus 3.1 Specification Revision 1.0, and Universal Serial Bus Specification Revision 2.0
- PCIe x4 interface compliant with PCI Express Base Specification Revision 3.0
- Equipped with a full-profile bracket, includes a half-height/low-profile bracket for installation in small form-factor computers

Hardware	Warranty	2 Years
	Bus Type	PCI Express
	Card Type	Standard Profile (LP bracket incl.)
	Chipset ID	ASMedia - ASM1142
	Industry Standards	USB 3.1 Specification Rev. 1.0 USB Specification Rev. 2.0 PCI Express Base Specification Rev. 3.0 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	2
Performance	Maximum Data Transfer Rate	10Gbps
	MTBF	50,000 Hours
	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	2 - USB 3.1 USB Type-A (9 pin, Gen 2, 10 Gbps) Female
	Internal Ports	1 - SATA Power (15 pin) Plug
Software	OS Compatibility	Windows® 7, 8, 8.1, 10 Windows Server® 2008 R2, 2012, 2016 Mac OS X® 10.9 to 10.10 Linux® 3.5 to 4.11.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. PCI Express Gen 2.0 max throughput is 5Gbps. PCI Express Gen 3.0 max throughput is 10Gbps. 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) SATA power connector
Environmental	Humidity	5~95% RH (Non-condensing)
	Operating Temperature	0°C to 70°C (32°F to 158°F)
	Storage Temperature	-20°C to 70°C (-4°F to 158°F)
Physical Characteristics	Product Height	4.7 in [12 cm]

	Product Length	3.5 in [90 mm]
	Product Width	0.7 in [18 mm]
	Weight of Product	1.8 oz [50 g]
Packaging Information	Package Height	1.2 in [30 mm]
	Package Length	6.3 in [16 cm]
	Package Width	5.1 in [13 cm]
	Shipping (Package) Weight	3.5 oz [100 g]
What's in the Box	Included in Package	1 - 2-port USB 3.1 gen 2 card
		1 - low-profile bracket
		1 - instruction manual

Product appearance and specifications are subject to change without notice.