

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.

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, , 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.

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.

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

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
Ports	2
Interface	USB 3.1 Gen 2
Bus Type	PCI Express
Card Type	Standard Profile (LP bracket incl.)
Port Style	Integrated on Card

Industry Standards	<p>USB 3.1 Specification Rev. 1.0</p> <p>USB Specification Rev. 2.0</p> <p>PCI Express Base Specification Rev. 3.0</p> <p>Intel xHCI Specification Rev. 1.1</p> <p>UASP (USB Attached SCSI Protocol) Rev. 1.0</p>
Chipset ID	ASMedia - ASM1142

Performance

Maximum Data Transfer Rate	10Gbps
Type and Rate	USB 3.1 Gen 2 - 10 Gbit/s
UASP Support	Yes
MTBF	50,000 Hours

Connector(s)

Connector Type(s)	PCI Express x4
Internal Ports	SATA Power (15 pin)
External Ports	USB 3.1 USB Type-A (9 pin, Gen 2, 10 Gbps)

Software

OS Compatibility	<p>Windows 7, 8, 8.1, 10</p> <p>Windows Server 2008 R2, 2012, 2016</p> <p>Mac OS X 10.9 to 10.10</p> <p>Linux 3.5 to 4.11.x <i>LTS version only</i></p>
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Special Notes / Requirements

System and Cable Requirements	<p>PCI Express enabled computer or server with a PCI Express x4 slot or higher (x8, x16)</p> <p>SATA power connector</p>
Note	<p>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.</p> <p>The available bandwidth (10Gbps) is shared equally between the two</p>

ports.

Environmental

Operating Temperature	0C to 70C (32F to 158F)
Storage Temperature	-20C to 70C (-4F to 158F)
Humidity	5~95% RH (Non-condensing)

Physical Characteristics

Product Length	3.5 in [90 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	6.3 in [16 cm]
Package Width	5.1 in [13 cm]
Package Height	1.2 in [30 mm]
Shipping (Package) Weight	3.5 oz [100 g]

What's in the Box

Included in Package	2-port USB 3.1 gen 2 card
	low-profile bracket
	instruction manual

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

