

2-Port USB 3.1 (10Gbps) Card - 1x USB-C, 1x USB-A - PCIe

Product ID: PEXUSB311A1C



This USB 3.1 card helps prepare you for the next generation of USB connectivity and performance. Now you can access USB 3.1 Gen 2 devices at 10Gbps, which is twice the speed of traditional USB 3.0 devices. (USB 3.0 is also known as USB 3.1 Gen 1.)

Plus, by adding one USB-C and one USB-A port to your PC, you can easily connect legacy, modern, and future USB devices, regardless of the USB connector type.

This high-performance USB card is a must-have computer upgrade. By adding two 10Gbps USB ports, you can connect high-bandwidth devices and avoid the performance bottlenecks often associated with older connectivity technologies.

The PCI Express USB 3.1 card lets you transfer files and access devices faster, so you can get more work done by spending less time waiting. The higher data throughput makes the card a necessity for external hard drives, , and many other fast-access USB 3.1 peripherals.

For connection flexibility, the card offers USB-C and USB-A ports, so you can bridge the gap between older and newer USB devices that use different connectors. Now you can simultaneously connect and access USB Type-A and USB Type-C devices from the convenience of one card.

By adding two types of USB ports in one combo card, you can free up space in your PC, and eliminate the nuisance of having different cards for different USB devices. Plus, you can rest assured your set for the future, as USB-C devices become more popular and more standardized.

When used with the SATA power connector, the card delivers higher power output than traditional USB cards. It offers a 2-amp USB-A port, and a 3-amp USB-C port, so you can connect many bus-powered devices (for example, portable hard drives), without the need for an external power adapter.

The PCIe USB 3.1 card comes equipped with a full-profile bracket, but also includes a half-height or low-profile bracket, making it easy to install in full or small form-factor desktops or servers. And, the card offers hassle-free installation, with no additional software or drivers required in many natively supported operating systems.

The PEXUSB311A1C is backed by a StarTech.com 2-year warranty and free lifetime technical support.

<small>Note: The card does not support DP Alt Mode or USB Power Delivery.</small>

Certifications, Reports and Compatibility

Applications

- Deploy at home or in the office, and connect the latest USB-C devices, such as HDD enclosures
- Install the card as a vital hardware component when building a PC, or upgrade an older PCIe based desktop from USB 3.0 or 2.0 to USB 3.1 Gen 2 (10Gbps)
- 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

- Enjoy the faster speed of USB 3.1 devices, with up to 10Gbps throughput
- Diversify the overall USB capabilities of your computer by adding USB Type-C and USB Type-A ports
- Connect high-powered devices using the integrated ports and onboard SATA power connector
- Fits into standard or low-profile systems with a dual-profile design
- Fast, hassle-free setup
- Cost-effective backward compatibility, works with USB 3.0 and 2.0 devices
- PCIe x4 interface compliant with PCI Express Base Specification Revision 3.0
- Compliant with UASP (USB Attached SCSI Protocol) Revision 1.0
- Compliant with USB 3.1 Spec 1.0 and 2.0

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	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
Chipset ID	ASMedia - ASM1142

Performance

Maximum Data Transfer Rate	10Gbps
Type and Rate	USB 3.1 Gen 2 - 10 Gbit/s
UASP Support	Yes

Connector(s)

Connector Type(s)	PCI Express x4
Internal Ports	SATA Power (15 pin)
External Ports	USB Type-C (24 pin) USB 3.1 (10Gbps) USB 3.1 USB Type-A (9 pin, Gen 2, 10 Gbps)

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 <i>LTS version only</i>
------------------	--

Special Notes / Requirements

System and Cable Requirements	PCI Express enabled computer or server with a PCI Express x4 slot or higher (x8, x16) SATA power connector
Note	The card's USB-C port is a standard data throughput port. It does not support DP Alt Mode or USB Power Delivery.



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.

Environmental

Operating Temperature	5C to 50C (41F to 122F)
Storage Temperature	-25C to 70C (-13F to 158F)
Humidity	15~90% RH (Non-condensing)

Physical Characteristics

Product Length	3.6 in [92 mm]
Product Width	0.7 in [18 mm]
Product Height	4.7 in [12 cm]
Weight of Product	1.7 oz [48 g]

Packaging Information

Package Length	6.7 in [17 cm]
Package Width	5.6 in [14.2 cm]
Package Height	1.6 in [41 mm]
Shipping (Package) Weight	4.6 oz [131 g]

What's in the Box

Included in Package	2-port USB 3.1 (10Gbps) card
	low-profile bracket
	instruction manual

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

