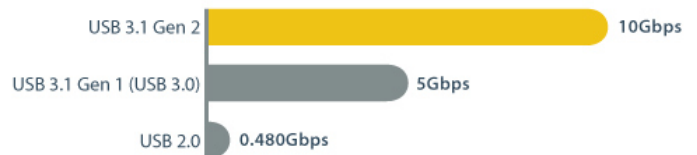# 2-Port USB 3.1 (10Gbps) Card - 2x USB-C - PCIe

Product ID: PEXUSB312C

Get ready for the future of universal connectivity and high-speed performance. This USB 3.1 card adds two USB-C™ ports to your desktop, with a combined bandwidth up to 10Gbps. With greater bandwidth, you can save time and avoid the performance bottlenecks often associated with other connectivity technologies.

Because the card offers USB Type-C™ ports, you can rest assured your computer is compatible with the growing popularity of USB-C peripherals.

USB 3.1 Gen 2	10Gbps
USB 3.1 Gen 1 (USB 3.0)	5Gbps
USB 2.0	0.480Gbps

Work faster, with USB 3.1 performance

By adding 10Gbps USB ports to your computer, you can harness the speed of USB 3.1 Gen 2. You can access peripherals at twice the speed of traditional USB 3.0 devices. (USB 3.0 is also known as USB 3.1 Gen 1.) The card delivers faster file transfer rates, so you can get more work done in less time.

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.

Help future proof your computer, with USB-C

Because it offers two USB-C ports, this innovative card enables you to connect the growing number of USB Type-C devices today, or in the near future.

USB-C connectors are small, reversible, and easy-to-use. You can reduce frustration and the risk of damage to your ports by connecting the plug with either side facing up, making insertions easier than past USB generations.

The card is backward compatible with USB 3.0 (5Gbps) and USB 2.0 (480mbps) devices. You can add the card now in preparation for future devices, while still connecting your existing USB peripherals using a variety of USB-C cables and adapters.

Easy to install in different form factors

The PCIe USB-C 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 PEXUSB312C is backed by a StarTech.com 2-year warranty and free lifetime technical support.

Note: *The card does not support DP Alt Mode or USB Power Delivery.*

Certifications, Reports and Compatibility

RoHS Compliant
Available

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
- 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

Features

- Transfer files and access USB 3.1 devices faster, with up to 10Gbps throughput
- Get set for the future of universal connectivity, by adding two USB-C ports to your computer
- Connect high-powered devices using the integrated ports and onboard SATA power connector
- Works with your existing USB 3.0 (5Gbps) and USB 2.0 (480Mbps) devices, for cost-effective backward compatibility
- Each USB Type-C port delivers up to 3A of power
- Fits into standard or low-profile systems with a dual-profile design
- Fast, hassle-free setup
- PCIe x4 interface compliant with PCI Express Base Specification Revision 3.0
- USB-C ports are Thunderbolt 3 port compatible (10Gbps data only)
- Compliant with UASP (USB Attached SCSI Protocol) Revision 1.0, as well as USB 3.1 Spec 1.0 and 2.0

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
	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 Type-C (24 pin) USB 3.1 (10Gbps) 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 4.4.x *LTS version only*
Special Notes / Requirements	**Note**	The card's USB-C ports are standard data throughput port. They do 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.
	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	20~80% RH (Non-condensing)
	Operating Temperature	5°C to 50°C (41°F to 122°F)
	Storage Temperature	-25°C to 70°C (-13°F to 158°F)

Physical Characteristics	Product Height	4.7 in [120 mm]
	Product Length	3.6 in [92 mm]
	Product Weight	1.7 oz [48 g]
	Product Width	0.7 in [18 mm]
Packaging Information	Shipping (Package) Weight	4.1 oz [116 g]
What's in the Box	Included in Package	1 - 2-port USB 3.1 (10Gbps) card - 2x USB-C
		1 - low-profile bracket
		1 - instruction manual

Product appearance and specifications are subject to change without notice.