

# Dual-Port USB-C Card - 10Gbps per port - 2x USB-C - USB 3.1 - PCIe

Product ID: PEXUSB312C2



This USB 3.1 card lets you add two USB-C™ ports to your computer, through a PCI Express slot. It enables you to upgrade your current system by adding two USB 3.1 Gen 2 ports to your computer and giving you access to data transfer speeds up to 10Gbps.

With the addition of two USB Type-C™ ports, you can rest assured your computer is compatible with the growing popularity of USB-C peripherals.

## 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-C devices.

With higher data throughput support, this USB 3.1 PCIe card is a necessity for external drives, [drive enclosures](#), and many other USB 3.1 peripherals. Plus, the USB card includes an optional SATA power connector to connect to your system power supply and deliver up to 900mA of power per port to USB 3.1 bus-powered devices (500mA for USB 2.0). The card is ideal for use with large external storage solutions.

## Compatible with older USB devices

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

## Easy installation

The USB 3.1 card is compatible with a broad range of Windows® and Linux® operating systems. Plus, the high-quality card includes both standard-profile and low-profile brackets, making it easy to install in full or small form-factor PCs and servers.

The PEXUSB312C2 is backed by a StarTech.com 2-year warranty and free lifetime technical support.

### Certifications, Reports and Compatibility



### 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 two USB-C ports, or install the card as a vital hardware component when building a new PC
- Ideal for file backups, 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
- Optional SATA power connector provides up to 900mA per USB port
- Works with your existing USB 3.0 (5Gbps) and USB 2.0 (480Mbps) devices, for cost-effective backward compatibility
- PCIe x4 interface compliant with PCI Express Base Specification Revision 3.0
- Fits into standard or low-profile systems with a dual-profile design
- 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

<b>Hardware</b>	Warranty	2 Years
	Bus Type	PCI Express
	Card Type	Standard Profile (LP bracket incl.)
	Chipset ID	ASMedia - ASM2142
	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
	<b>Performance</b>	Maximum Data Transfer Rate
Type and Rate		USB 3.1 Gen 2 - 10 Gbit/s
UASP Support		Yes
<b>Connector(s)</b>	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
<b>Software</b>	OS Compatibility	Windows® 7, 8, 8.1, 10 Windows Server® 2008 R2, 2012, 2016 Linux® 3.5 to 4.11.x <i>LTS version only</i>
<b>Special Notes / Requirements</b>	<b>Note</b>	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)  Optional SATA power connector
<b>Environmental</b>	Humidity	20~80% RH
	Operating Temperature	5°C to 50°C (41°F to 122°F)
	Storage Temperature	-20°C to 60°C (-4°F to 140°F)
<b>Physical Characteristics</b>	Product Height	21 mm [0.8 in]

	Product Length	122 mm [4.8 in]
	Product Weight	46 g [1.6 oz]
	Product Width	90 mm [3.5 in]
<b>Packaging Information</b>	Shipping (Package) Weight	120 g [4.2 oz]
<b>What's in the Box</b>	Included in Package	1 - USB 3.1 card 1 - low-profile bracket 1 - quick-start guide

Product appearance and specifications are subject to change without notice.