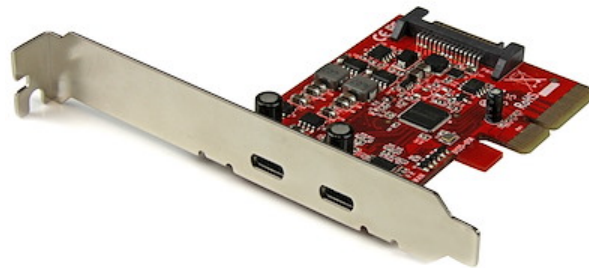


## 2-Port USB 3.1 (10Gbps) Card - 2x USB-C - PCIe

**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.

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, , 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.

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 .

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

### 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
- Compliant with UASP (USB Attached SCSI Protocol) Revision 1.0, as well as USB 3.1 Spec 1.0 and 2.0

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#### 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

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### Performance

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

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### 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)

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### 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 &lt;i&gt;LTS version only&lt;/i&gt;</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 card's USB-C ports are standard data throughput port. They do not support DP Alt Mode or USB Power Delivery.</p> <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.

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**Environmental**

Operating Temperature	5C to 50C (41F to 122F)
Storage Temperature	-25C to 70C (-13F to 158F)
Humidity	20~80% RH (Non-condensing)

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**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]

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**Packaging Information**

Package Length	6.7 in [17 cm]
Package Width	5.6 in [14.2 cm]
Package Height	1.2 in [30 mm]
Shipping (Package) Weight	4.1 oz [116 g]

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**What's in the Box**

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

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

