

2-port 10Gbps USB C PCIe Card - USB 3.1 Gen 2 Type-C PCI Express Host Controller Add-On Card - Expansion Card - USB 3.2 Gen 2x1 PCIe Adapter 15W/port - Windows, macOS, Linux

**Product ID:** PEXUSB312C3



This PCIe USB 3.1 Gen 2 card installs into an available PCI-Express slot in your computer and enables you to upgrade your current system by adding two USB-C (10Gbps) ports.

Also known as USB 3.2 Gen 2x1, this USB 3.1 Gen 2 card adds two 10Gbps USB Type-C ports to your computer.

Utilizing an ASMedia ASM3142 chipset, this card harnesses the speed of USB 3.1 Gen 2. With higher data throughput support, this USB 3.1 Gen 2 PCIe expansion card is a necessity for external drives and many other USB 3.1 Gen 2 peripherals and includes an optional SATA power connector for high power devices.

The card is backward compatible with USB 3.0 (5Gbps) and USB 2.0 (480mbps) devices. The card works with newer USB-C devices, but can easily support your existing USB-A peripherals using inexpensive USB Type C cables and adapters. See our Accessories Tab for supported options.

The USB 3.1 card is compatible with Windows, Linux and macOS operating systems. The card includes both standard-profile and low-profile brackets to install in various form-factor PCs and servers.

StarTech.com conducts thorough compatibility and performance testing on all our products to ensure we are meeting or exceeding industry standards and providing high-quality products to IT Professionals. Our local StarTech.com Technical Advisors have broad product expertise and work directly with our StarTech.com Engineers to provide support for our customers both pre and post-sales.

The PEXUSB312C3 is backed by a StarTech.com 2-year warranty and free lifetime technical support.

## **Certifications, Reports and Compatibility**

## **Applications**

- 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
- Upgrade an older PCIe equipped desktop from USB 3.0/2.0 to USB 3.1 Gen 2 (10Gbps) with Type C
- Ideal for file backups, video editing, and data recovery, using high-bandwidth USB 3.1 Gen 2 external storage solutions

## Features

- **VERSATILE USE:** This 2-port PCIE USB 3.1 card features a dual-profile design to fit into both standard and low-profile systems, and includes an optional SATA power connector for high power devices Upgraded version of our popular USB card PEXUSB312C2
- **POWER:** Expansion card w/ SATA power header supplies supplemental power to the USB Type-C ports (when motherboard power is insufficient) providing up to 5V 3A (15W) via the USB-C ports
- **MAX PERFORMANCE WITH USB STORAGE DEVICES:** 2-port USB-C PCIe Card adapter supports USB Attached SCSI Protocol (UASP) optimizing USB performance w/ external storage devices like SSDs, HDDs, NVMe drives
- **COMPATIBILITY:** Installs in full/low-profile PCIe 3.0 x4 desktop/server slot (lower performance w/ PCI-e 2.0); Windows/Linux/macOS w/auto driver install (Windows 8 & above); Works w/USB 3.2/3.1/3.0/2.0
- **THE STARTECH.COM ADVANTAGE:** StarTech.com offers a 2-year warranty & free lifetime 24 hour technical support on this dual port USB-C PCI Express Add On Card w/ full & low profile bracket incl.

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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 | USB 3.2 Specification Rev. 2.0<br>USB Specification Rev. 2.0<br>PCI Express Base Specification Rev. 3.0<br>Intel xHCI Specification Rev. 1.1<br>UASP (USB Attached SCSI Protocol) Rev. 1.0 |
| Chipset ID         | ASMedia - ASM3142  |

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## Performance

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|----------------------------|---------------------------|
| Maximum Data Transfer Rate | 10Gbps                    |
| Type and Rate              | USB 3.2 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

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|------------------|--|
| OS Compatibility | Windows 7, 8, 8.1, 10, 11<br>Windows Server 2008 R2, 2012 R2, 2016, 2019<br>Linux 3.5 to 4.11.x <i>LTS version only</i><br>macOS Catalina (10.15)<br>macOS Mojave (10.14)<br/>macOS High Sierra (10.13)<br>macOS Big Sur (11.0)<br>macOS Monterey (12.0) |
|------------------|--|

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## Special Notes / Requirements

|                               |  |
|-------------------------------|--|
| System and Cable Requirements | PCI Express enabled computer or server with a PCI Express x4 slot or higher (x8, x16)<br><br>Optional SATA power connector   |
| Note                          | The card's USB-C ports are standard data throughput port. They do not support DP Alt Mode or USB Power Delivery.<br><br>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. |

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## Environmental

|                       |                           |
|-----------------------|---------------------------|
| Operating Temperature | 0C to 70C (32F to 158F)   |
| Storage Temperature   | -20C to 85C (-4F to 185F) |
| Humidity              | 20~80% RH                 |



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**Physical Characteristics**

|                   |                  |
|-------------------|------------------|
| Color             | Black            |
| Material          | Steel            |
| Product Length    | 4.8 in [12.2 cm] |
| Product Width     | 3.1 in [80.0 mm] |
| Product Height    | 0.7 in [18.0 mm] |
| Weight of Product | 1.6 oz [45.0 g]  |

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**Packaging Information**

|                           |                  |
|---------------------------|------------------|
| Package Length            | 6.8 in [17.3 cm] |
| Package Width             | 5.6 in [14.2 cm] |
| Package Height            | 1.2 in [30 mm]   |
| Shipping (Package) Weight | 4.2 oz [120 g]   |

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**What's in the Box**

|                     |                     |
|---------------------|---------------------|
| Included in Package | USB 3.1 Card        |
|                     | Low Profile Bracket |
|                     | Quick Start Guide   |

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

