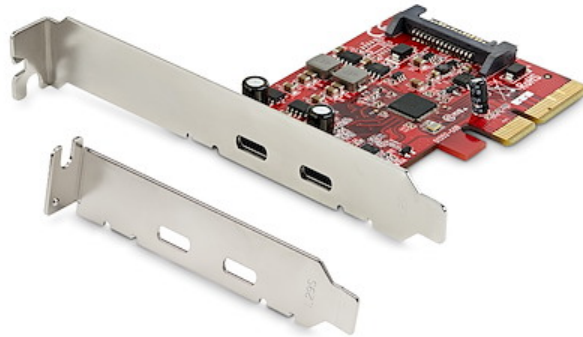


2-Port USB 3.2 Gen 2 PCIe Card, USB-C 10Gbps SuperSpeed PCI Express 3.0 x4 Controller Card, USB Type-C Adapter Card, Data Only, Windows/macOS/Linux, TAA

**Product ID:** PEXUSB312C3



This PCIe USB 3.2 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 3.1 Gen 2, this USB 3.2 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 3.2 Gen 2. With higher data throughput support, this USB 3.2 Gen 2 PCIe expansion card is a necessity for external drives and many other USB 3.2 Gen 2 peripherals and includes an optional SATA power connector for high power devices.

The card is backward compatible with USB 3.2 Gen 1 (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 3.2 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 3.2 Gen 2 (10Gbps) with Type C
- Ideal for file backups, video editing, and data recovery, using high-bandwidth USB 3.2 Gen 2 external storage solutions

## Features

- **HIGH PERFORMANCE:** Add 2x USB-C SuperSpeed 10Gbps ports to your desktop PC with this USB 3.2 Gen 2x1 PCIe Card; Expansion card provides up to 5V 3A (15W) via the USB-C ports
- **USB 3.2 GEN 2X1 SPEEDS:** PCI Express card features the ASMedia ASM3142 host controller using x4 lanes of PCIe 3.0; Capable of speeds up to 10Gbps enabling fast access to high-performance devices like NVMe drives and SSDs
- **MAXIMIZED USB PERFORMANCE:** 2-port USB-C PCIe Card adapter supports USB Attached SCSI Protocol (UASP) optimizing USB performance; Installs in full/low-profile PCIe 3.0 x4 desktop / server slot (lower performance with PCI-e 2.0)
- **COMPATIBILITY:** Add-on card installs in full or low-profile (bracket included) PCIe 3.0 x4 slot (Backward compatible with PCIe 2.0); Windows/Linux/macOS with auto-install drivers Win 8 and up; Works with USB 3.2 Gen 2/3.0/2.0 devices
- **COMPATIBILITY NOTICE:** This dual port USB-C 10Gbps PCIe card supports data transfer only; It does not support DisplayPort Alt Mode for video output, USB Power Delivery, or Thunderbolt devices

## Hardware

Warranty	2 Years
Ports	2
Interface	USB 3.2 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 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 - ASM3142

#### Performance

Maximum Data Transfer Rate	10Gbps
Type and Rate	USB 3.2 Gen 2 - 10 Gbit/s
UASP Support	Yes

#### Connector(s)

Connector Type(s)	1 - PCI Express x4
Internal Ports	1 - SATA Power (15 pin)
External Ports	2 - USB 3.2 Type-C (24 pin, Gen 2, 10Gbps)

#### Software

OS Compatibility	Windows 7, 8, 8.1, 10, 11 Windows Server 2008 R2, 2012 R2, 2016, 2019 Linux 3.5 and up - LTS Versions only macOS Catalina (10.15) macOS Mojave (10.14) macOS High Sierra (10.13) macOS Big Sur (11.0) macOS Monterey (12.0) macOS Ventura (13.0) macOS Sonoma (14.0)
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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>Optional SATA power connector</p>
Note	<p>- The card's USB-C port is standard data only port. It does not support DP Alt Mode (for video) 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>

## Environmental

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

## Physical Characteristics

Color	Black
Material	Steel
Product Length	4.8 in [12.2 cm]
Product Width	3.1 in [8.0 cm]
Product Height	0.7 in [1.8 cm]
Weight of Product	0.1 lb [0.0 kg]

## Packaging Information

Package Quantity	1
Package Length	6.9 in [17.4 cm]
Package Width	5.6 in [14.2 cm]
Package Height	1.3 in [3.3 cm]
Shipping (Package) Weight	4.1 oz [116.0 g]

## What's in the Box

Included in Package	1 - USB 3.1 Card
	1 - Low Profile Bracket
	1 - Quick Start Guide

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