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 10GbpsUSB Type-Cports to your computer.

Utilizing an ASMediaASM3142chipset, this cardharnesses 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 anoptional SATA power connector for high power devices.

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

The USB 3.1cardis 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 bothpreand post-sales.

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

Certifications, Reports and Compatibility

| Windows Server 2016 | Windows Server 2019 | macOS Catalina | macOS High Sierra | macOS Mojave |

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

• HIGH PERFORMANCE: USB 3.1 Gen 2 or USB 3.2 Gen 2x1 PCIe Host Controller card supports Multiple INs, maintains max bandwidth even when mixed speed devices are connected; 2x USB-C 10Gbps per port
• 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 thisdual port USB-C PCI Express Add On Card w/ full & low profile bracket incl.

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
	Chipset ID	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
		ASMedia - ASM3142
Performance	Maximum Data Transfer Rate	10Gbps
	Type and Rate	USB 3.2 Gen 2 - 10 Gbit/s
		Yes

	UASP Support	
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)
Software	OS Compatibility	Windows 7, 8, 8.1, 10
		Windows Server 2008 R2, 2012, 2016, 2019
		Linux 3.5 to 4.11.x <i>LTS version only</i>
		macOS Catalina (10.15)
		macOS Mojave (10.14) macOS High Sierra (10.13)
Special Notes / Requirements	System and Cable Requirements	PCI Express enabled computer or server with a PCI Express x4 slot or higher (x8, x16)
	System and Cable Requirements	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.
	Note	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.
Environmental	Operating Temperature	0C to 70C (32F to 158F)
	Storage Temperature	-20C to 85C (-4F to 185F)
	Humidity	20~80% RH
Physical Characteristics	Product Length	4.8 in [1.2 cm]
	Product Width	3.1 in [80.000 mm]
	Product Height	0.7 in [18.000 mm]
	Weight of Product	1.6 oz [45.000 g]
Packaging Information	Package Length	6.8 in [1.7 cm]
	Package Width	5.6 in [1.4 cm]
	Package Height	1.2 in [30 mm]
	Shipping (Package) Weight	4.2 oz [120 g]
What's in the	Included in Package	USB 3.1 Card

Box

	Included in Package	Low Profile Bracket
	Included in Package	Quick Start Guide

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