Discontiuned and replaced by PEXUSB312C3 - Dual Port USB-C Card - 2x USB-C - USB 3.1 PCI-e Card with SATA - USB 3.1 Expansion Card - PCI Express USB C Card

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.

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, , 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.

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 .

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

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 3.1 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

Chipset ID	ASMedia - ASM2142	

Performance

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

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>	

Special Notes / Requirements

System and Cable Requirements	PCI Express enabled computer or server with a PCI Express x4 slot or higher (x8, x16)	
	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.	
	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.	

Environmental

Operating Temperature	5C to 50C (41F to 122F)	
Storage Temperature	-20C to 60C (-4F to 140F)	
Humidity	20~80% RH	

Physical Characteristics

Product Length	4.8 in [12.2 cm]	
Product Width	3.5 in [90.0 mm]	
Product Height	0.8 in [21.0 mm]	
Weight of Product	1.6 oz [46.0 g]	

Packaging Information

Package Length	6.7 in [17.0 cm]	
Package Width	5.6 in [14.2 cm]	
Package Height	1.2 in [30.0 mm]	
Shipping (Package) Weight	4.2 oz [120.0 g]	

What's in the Box

Included in Package	USB 3.1 card	
	low-profile bracket	
	quick-start guide	

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