1-Port USB 3.2 Gen 2x2 PCIe Card - USB-C SuperSpeed 20Gbps PCI Express 3.0 x4 Host Controller Card - USB Type-C PCIe Add-On Adapter Card - Expansion Card - Windows & Linux

Product ID: PEXUSB321C



This PCIe USB 3.2 Gen 2x2 controller card installs into an available PCI-Express x4 slot in your computer and enables you to upgrade your current system by adding a USB-C (20Gbps) port.

The controller card enables you to connect USB-C Gen 2x2 (20 Gbps) devices to your desktop computer. The USB-C port is ideal for connecting USB devices such as external hard drives and solid state drives or charging and syncing your mobile devices. The USB-C port provides up to 15W (5V/3A) of power and is backward compatible with USB 3.2 Gen 2 (10 Gbps) and USB 3.2 Gen 1 (5 Gbps) devices.

Note: USB 3.2 Gen 2 (10 Gbps) is also know as USB 3.1 Gen 2 (10 Gbps), and USB 3.2 Gen 1 (5 Gbps) is also know as USB 3.0 and USB 3.1 (5 Gbps).

The USB 3.2 Gen 2x2 card features an ASMedia ASM3242 host controller that utilizes x4 lanes of the PCIe 3.0 bus, making the card capable of speeds up to 20Gbps and enabling fast access to high-performance devices like NVMe drives and SSDs. The controller card supports Multiple INs to reduce bandwidth loss when multiple devices are connected through a USB Hub (Note: The USB hub must also support this feature). The card also supports UASP for improved performance with storage devices.

This add-on card includes both full-profile and low-profile installation brackets ensuring you can install it into either a full or low-profile PCIe 3.0 x4 slot (backward compatible w/PCIe 2.0). For wide platform support the card is compatible with Windows, Linux and macOS. For hassle-free installation the drivers install automatically on computers running Windows 8 or higher. Works w/USB 3.1/3.0/2.0 devices

PEXUSB321C is backed by a StarTech.com 2-year warranty and free lifetime 24/5 multi-lingual North American based technical support. StarTech.com has been the IT professionals' choice for over 30 years.

Certifications, Reports and Compatibility

Applications

• Connect high-performance devices like NVMe drives and SSDs

• Charge and sync mobile devices

Features

• HIGH PERFORMANCE: Add 1x USB-C SuperSpeed 20Gbps port to your desktop PC with this USB 3.2 Gen 2x2 PCIe Card; Expansion card provides up to 15W (5V @ 3A) to power & charge devices

• FULL USB 3.2 GEN 2X2 SPEEDS: Featuring the ASMedia ASM3242 host controller using x4 lanes of PCIe 3.0, this card is fully capable of speeds up to 20Gbps enabling fast access to high-performance devices like NVMe drives and SSDs

• MAXIMIZED USB PERFORMANCE: USB Type-C PCI Express card supports Multiple INs to reduce bandwidth loss when mix speed devices are connected to a Hub (hub must also support this feature); UASP support improves performance with storage devices

• COMPATIBILITY: Add-on card installs in full or low-profile (bracket incl) PCIe 3.0 x4 slot (Backward compatible w/PCIe 2.0); Windows/Linux/macOS w/auto drivers Win 8 & up; Works w/USB 3.1/3.0/2.0 devices

• STARTECH.COM ADVANTAGE: IT professionals' choice for over 30 years; This USB-C PCI-e adapter card is backed for 2-years by StarTech.com, incl. free 24/5 North America based multi-lingual tech support

Hardware		
	Warranty	2 Years
	Ports	1
	Interface	PCI Express x4
	Bus Type	PCI Express
	Card Type	Standard Profile (LP bracket incl.)
	Industry Standards	USB 3.2 Specification Rev. 1.0
		PCI Express Base Specification Rev. 3.0
		Intel xHCI Specification Rev. 1.1
		UASP (USB Attached SCSI Protocol) Rev. 1.0
	Chipset ID	ASMedia - ASM3242
Performance		
	Maximum Data Transfer Rate	20Gbps

	Type and Rate	USB 3.2 Gen 2x2 (20Gbps)
	UASP Support	Yes
	MTBF	3,126,209 Hours
Connector(s)		
	Connector Type(s)	PCI Express x4
	External Ports	USB Type-C (24 pin, Gen 2x2, 20Gbps)
Software		
	OS Compatibility	Windows 8, 8.1, 10
		Windows Server 2012 R2, 2016, 2019
		macOS 10.13 to 10.15, 11.0
		Linux 3.5 or later LTS version only
Special Notes / Requirements		
	System and Cable Requirements	PCI Express enabled computer or server with a PCI Express x4 slot or higher (x8, x16)
	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 10Gbps. A PCI Express Gen 2 or Gen 3 port is required to reach speeds up to 20Gbps.
Environmental		
	Operating Temperature	0C to 85C (32F to 185F)
	Storage Temperature	-25C to 85C (-13F to 185F)
	Humidity	15% ~ 90% RH
Physical Characteristics		
	Product Length	2.0 in [51.0 mm]
	Product Width	3.1 in [80.0 mm]
	Product Height	0.9 in [22.0 mm]
	Weight of Product	1.3 oz [37.0 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	3.6 oz [101.0 g]
What's in the Box		
	Included in Package	PCI Express USB Card
		Full Profile Bracket (Installed)
		Low Profile Bracket
		Quick-Start Guide

Product appearance and specifications are subject to change without notice.