

2-Port USB PCIe Card - 10Gbps USB 3.1 Gen 2 Type-A PCI Express Host Controller Card - USB 3.2 Gen 2x1 PCIe Add-On Adapter Card - Expansion Card

**Product ID:** PEXUSB312A2



This USB 3.1 card lets you add two USB Type-A 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.

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-A devices.

With higher data throughput support, this PCI Express USB 3.1 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.

Connecting older peripherals isn't a problem. This versatile dual-port USB 3.1 card is backward compatible with legacy USB 3.0/2.0 devices that use the common USB Type-A port, so you can eliminate the added expense and aggravation of purchasing new devices.

The USB 3.1 PCIe 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 PEXUSB312A2 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 additional USB 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

- **HIGH PERFORMANCE:** PCI Express host controller card has two USB-A ports with speeds up to 10Gbps per port; USB PCIe adapter card supports USB 3.1 Gen 2 or USB 3.2 Gen 2x1 standards
- **POWER:** Expansion card w/ SATA power header supplies supplemental power to the USB ports (when motherboard power is insufficient) providing up to 5V 0.9A (4.5W) per USB-A port
- **MAX PERFORMANCE WITH USB STORAGE DEVICES:** USB add-on card supports USB Attached SCSI Protocol (UASP) optimizing USB performance w/ external storage devices like SSDs, HDDs, NVMe drives & thumb drives
- **COMPATIBILITY:** Installs in full or low-profile PCI-e 3.0 x4 slot (works w/2.0 at lower performance); Windows/Linux/macOS w/auto driver install on Windows 8 & above; Works w/USB 3.2/3.1/3.0/2.0 devices
- **STARTECH.COM ADVANTAGE:** IT professionals choice for over 30 years; This 2-Port USB PCIe card is backed for 2-years by StarTech.com, including free 24/5 North America based multi-lingual tech support

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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 3.1 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

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### Performance



Maximum Data Transfer Rate	10Gbps
Type and Rate	USB 3.1 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 3.1 USB Type-A (9 pin, Gen 2, 10 Gbps)

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#### Software

OS Compatibility	Windows 7, 8, 8.1, 10 Windows Server 2008 R2, 2012, 2012 R2, 2016, 2019 Linux 3.5 to 4.11.x <i>LTS version only</i>
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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)  Optional SATA power connector
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.

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#### Environmental

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

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#### Physical Characteristics

Product Length	3.7 in [95.0 mm]
Product Width	0.5 in [12.0 mm]
Product Height	2.8 in [70.0 mm]
Weight of Product	1.8 oz [50.0 g]

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**Packaging  
Information**

Package Length	6.8 in [17.2 cm]
Package Width	5.6 in [14.2 cm]
Package Height	1.2 in [30.0 mm]
Shipping (Package) Weight	4.4 oz [124.0 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.***

