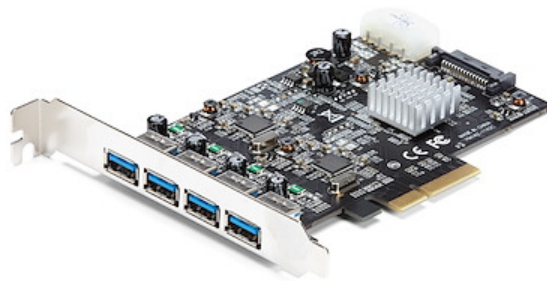


## 4 Port USB 3.1 PCI-e Card - 10Gbps - 4x USB w/ Two Dedicated Channels - PCI Express Expansion Card / Adapter

**Product ID:** PEXUSB314A2V



This USB 3.1 PCIe card lets you add four USB Type-A ports to your computer, through a PCI Express slot. With two independent 10Gbps channels, the card makes it easy to upgrade your PC to the faster speed of USB 3.1 Gen 2 so that you can access newer peripherals at twice the speed of traditional USB 3.0 (USB 3.1 Gen 1) cards.

When multiple devices are connected, traditional single-bus USB cards share your maximum bandwidth between all ports. By employing two host controller chipsets, shared across two ports rather than four, this 4-port USB 3.1 card dedicates up to 10Gbps for each set of two USB ports. It reduces performance bottlenecks and doubles your total available bandwidth to 20Gbps.

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 hard drives, hard drive enclosures, and many other USB 3.1 peripherals. Plus, the USB card includes an optional SATA or LP4 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 4-port USB 3.1 card features dual independent channels to your computer and shares 10Gbps of bandwidth between two USB ports.

Each set of two ports shares a combined bandwidth of 10Gbps. If a single device is accessing the channel, the card will provide data transfer rates of up to 10Gbps to the device. If two devices are accessing the channel simultaneously, the 10Gbps of bandwidth will be shared between both devices.

With four external USB-A ports you can connect more devices to your computer. The card provides easy access to commonly-used peripherals such as your flash drive and external hard drive and allows you to connect to both current and future high-bandwidth USB-A devices.

For more flexibility, you can couple the card with a USB-C to USB-A Cable (USB31AC1M) and connect your USB Type-C devices.

Connecting older peripherals isn't a problem. This versatile USB 3.1 Gen 2 (10Gbps) 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 PEXUSB314A2V 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 four 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

- Provides four external USB 3.1 ports on two independent bus channels
- Transfer files and access USB 3.1 devices faster, with up to 10Gbps throughput
- Optional LP4 or SATA power connector provides up to 900mA per USB port
- Cost-effective backward compatibility
- 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
- PCIe x4 interface compliant with PCI Express Base Specification Revision 3.0

---

#### Hardware

Warranty	2 Years
Ports	4
Interface	USB 3.1 Gen 2
Bus Type	PCI Express
Card Type	Standard Profile

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 - ASM1142

---

#### Performance

Maximum Data Transfer Rate	10Gbps per 2 ports - 20Gbps Total
Type and Rate	USB 3.1 Gen 2 - 10 Gbit/s
UASP Support	Yes

---

#### Connector(s)

Connector Type(s)	PCI Express x4
Internal Ports	LP4 (4 pin; Large Drive Power) SATA Power (15 pin)
External Ports	USB 3.1 USB Type-A (9 pin, Gen 2, 10 Gbps)

---

#### Software

OS Compatibility	Windows 7, 8, 8.1, 10, 11 Windows Server 2008 R2, 2012, 2016, 2019 Mac OS X 10.9 to 10.10 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 or LP4 Molex 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.

The available bandwidth (10Gbps) is shared equally between the two ports.

---

**Environmental**

Operating Temperature	-20C to 60C (-4F to 140F)
Storage Temperature	0C to 50C (32F to 122F)
Humidity	5% ~ 85% RH

---

**Physical Characteristics**

Product Length	4.9 in [12.5 cm]
Product Width	0.8 in [20.0 mm]
Product Height	3.3 in [85.0 mm]
Weight of Product	2.8 oz [79.0 g]

---

**Packaging Information**

Package Length	6.9 in [17.4 cm]
Package Width	5.6 in [14.2 cm]
Package Height	1.2 in [30.0 mm]
Shipping (Package) Weight	4.8 oz [135.0 g]

---

**What's in the Box**

Included in Package	4-port USB 3.1 card quick-start guide
---------------------	--

---

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

