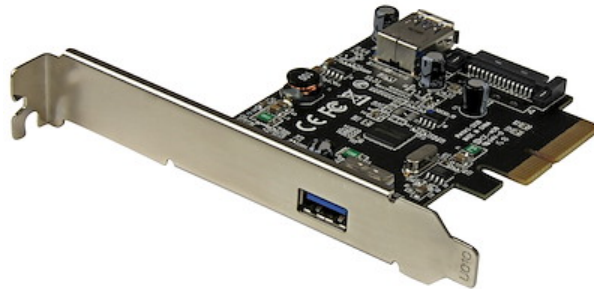


## 2-Port USB 3.1 (10Gbps) Card - USB-A, 1x External, 1x Internal - PCIe

**Product ID:** PEXUSB311EI



This USB 3.1 Gen 2 card prepares you for the next generation of USB performance, on the inside and outside of your computer. The 2-port card adds one internal Type-A connector as well as one external Type-A connector to your desktop computer, with a combined bandwidth of up to 10Gbps. For power-hungry devices, the card also has an internal SATA power connector, enabling you to use your computer's power supply to add more power to the ports.

With greater bandwidth, you can save time and avoid the performance bottlenecks that are often associated with other connectivity technologies.

With an internal port, you can connect internal devices that use a USB Type-A connector, such as a front-bay SD card reader. Plus, you can use the internal port to keep peripherals safely inside your computer case — perfect for high-capacity USB flash drives or interface devices used for external wireless peripherals such as keyboards and mice or Bluetooth adapters.

The card also features an external port that can be used for any USB Type-A device, like your external hard drive or any wired peripheral.

By adding 10Gbps USB ports to your computer, you can harness the speed of USB 3.1 Gen 2 and rest assured that you're ready for both current and future high-bandwidth USB-A devices.

With higher data throughput, this PCI Express USB 3.1 card is a necessity for external hard drives, , and many other USB 3.1 peripherals. Plus, the USB card integrates a SATA power connector to support high-powered devices, making it ideal for use with large external storage solutions.

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 your older peripherals isn't a problem. This versatile USB 3.1 Gen 2 (10Gbps) card is backward compatible with legacy USB 3.0 and 2.0 devices that use the common USB Type-A port, so you can eliminate the added expense and aggravation of purchasing new devices.

For a hassle-free installation with no additional software or drivers required, the card is natively supported by most operating systems, and interfaces with the PCI Express 3.0 x4 slot on your computer. Plus, the high-quality card

includes both standard-profile and low-profile (half-height) brackets, making it easy to install in full or small form-factor PCs or servers.

The PEXUSB311EI 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)
- Connect a USB device inside your computer case for added security and convenience
- Expand the USB capabilities of your system, 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, both inside and outside your computer case, with up to 10Gbps throughput
- Fast, hassle-free setup, and natively supported by many operating systems
- Fits into standard or low-profile systems, with its dual-profile design
- Cost-effective backward compatibility
- Compatible with high-powered USB devices, with an integrated SATA power connector
- 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
- Equipped with a full-profile bracket, includes a low-profile (half-height) bracket for installation in small form-factor computers

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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 - ASM1142

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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	USB 3.1 USB Type-A (9 pin, Gen 2, 10 Gbps) 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, 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>
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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)
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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.

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

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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 (Non-condensing)

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### Physical Characteristics

Color	Black
Material	Steel
Product Length	3.5 in [90 mm]
Product Width	0.7 in [18 mm]
Product Height	4.7 in [12 cm]
Weight of Product	1.8 oz [51 g]

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### Packaging Information

Package Length	5.6 in [14.3 cm]
Package Width	6.7 in [17 cm]
Package Height	1.2 in [30 mm]
Shipping (Package) Weight	4.3 oz [121 g]

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### What's in the Box

Included in Package	2-port USB 3.1 (10Gbps) card - 1 ext, 1 int
	low-profile bracket
	instruction manual

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

