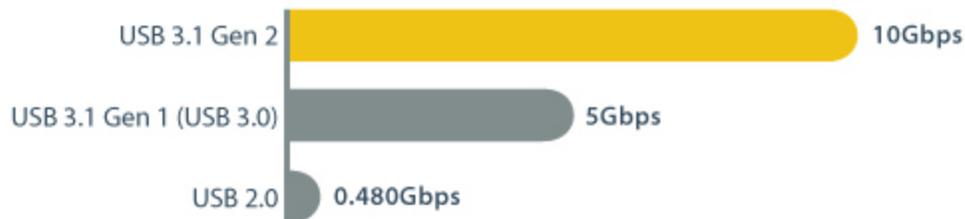


2-Port USB 3.1 (10Gbps) Card - USB-A, 1x External, 1x Internal - PCIe

StarTech 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.

Connectivity on the inside and out

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.

Faster USB performance

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, [hard drive enclosures](#), 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.

Compatible with your older USB 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.

Easy to install, in virtually any Windows based PC

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.

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

Technical Specifications

| | |
|-------------------------------|--|
| Warranty | 2 Years |
| Bus Type | PCI Express |
| Card Type | Standard Profile (LP bracket incl.) |
| Chipset ID | ASMedia - ASM1142 |
| 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 |
| Interface | USB 3.1 Gen 2 |
| Port Style | Integrated on Card |
| Ports | 2 |
| Maximum Data Transfer Rate | 10Gbps |
| Type and Rate | USB 3.1 Gen 2 - 10 Gbit/s |
| UASP Support | Yes |
| Connector Type(s) | 1 - PCI Express x4 Male |
| External Ports | 1 - USB 3.1 USB Type-A (9 pin; Gen 2; 10 Gbps) Female |
| Internal Ports | 1 - USB 3.1 USB Type-A (9 pin; Gen 2; 10 Gbps) Female |
| Internal Ports | 1 - SATA Power (15 pin) Plug |
| OS Compatibility | Windows® 10 (32/64), 8 / 8.1 (32/64), 7 (32/64) Windows Server® 2012, 2008 R2 Mac OS® 10.9 and later (tested up to 10.10) Linux® 3.5 |
| 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. |
| Note | The available bandwidth (10Gbps) is shared equally between the two ports. |
| System and Cable Requirements | PCI Express enabled computer or server with a PCI Express x4 slot or higher (x8, x16) |
| System and | SATA power connector |

Cable Requirements

Humidity 20~80% RH (Non-condensing)

Operating Temperature 5°C to 50°C (41°F to 122°F)

Storage Temperature -20°C to 60°C (-4°F to 140°F)

Product Height 4.7 in [120 mm]

Product Length 3.5 in [90 mm]

Product Weight 1.9 oz [55 g]

Product Width 0.7 in [18 mm]

Shipping (Package) Weight 4.3 oz [121 g]

Included in Package 1 - 2-port USB 3.1 (10Gbps) card - 1 ext, 1 int

Included in Package 1 - low-profile bracket

Included in Package 1 - instruction manual

Certifications, Reports and Compatibility

