

## 5-Port USB 3.1 PCIe Card - 1x USB-C (10Gbps), 2x USB-A (5Gbps) + 1x 2-Port IDC (5Gbps)

**Product ID:** PEXUSB312EIC



This 5-port USB 3.1 combo card makes it easy to add to the performance and connectivity of your computer. It's one of the only USB 3.1 cards to offer a USB Type-C port (10Gbps), traditional USB Type-A ports (5Gbps), and a motherboard header.

By offering a range of USB port types, you can easily connect a variety of modern and legacy USB devices, both inside and outside your computer.

Because the card offers a 10Gbps USB-C port (USB 3.1 Gen 2), you can save time and avoid the performance bottlenecks that are often associated with other connectivity technologies.

This versatile PCI Express combo card leverages the performance potential of USB 3.1 to help you work faster. The USB-C port offers a data throughput of up to 10Gbps, so you can spend less time waiting for file transfers to complete or for access to your external peripherals.

Plus, you can rest assured that you're set for the future, as USB-C devices become more popular and more standardized.

Now you can easily add a variety of types and speeds (generations) of USB ports to your desktop or server, using a single adapter card. The card features:

- One external USB-C port (USB 3.1 Gen 2 - 10Gbps)
- Two external USB-A ports (USB 3.1 Gen 1 - 5Gbps)
- One internal 20-pin IDC motherboard header port that can provide two internal USB-A ports (5Gbps)

With a range of port types, the card lets you bridge the gap between older and newer devices that use different connectors. You can simultaneously connect and access USB Type-A and USB Type-C devices, while using only a single PCI Express expansion slot.

By adding three types of USB ports in one combo card, you can free up space in your PC case, and eliminate the nuisance of having different cards for different USB devices.

With two internal motherboard-style headers, this dynamic USB 3.1 card is perfect for upgrading or building your own computer. If your existing headers are occupied, or if you don't have any motherboard headers, you can connect front panel hubs or card readers using this versatile alternative to costly motherboard or computer upgrades.

Connecting your older peripherals isn't a problem. This 5-port USB 3.1 card is backward compatible with legacy USB 3.0 and 2.0 devices, so you can eliminate the added expense and aggravation of purchasing new devices. (USB 3.0 is also known as USB 3.1 Gen 1).

The PEXUSB312EIC is backed by a StarTech.com 2-year warranty and free lifetime technical support.

Note: The card does not support DP alt mode or USB Power Delivery.

## Certifications, Reports and Compatibility

### Applications

- Connect USB-A or USB-C devices, plus add USB motherboard headers for future expansion
- Use at home or in the office and connect the latest USB-C devices, such as HDD enclosures
- Install the card as a vital hardware component when building a PC, or upgrade an older PCIe based desktop from USB 3.0 or 2.0 to USB 3.1 Gen 2 (10Gbps)
- Connect your legacy USB devices to your computer

### Features

- Connect a USB-C device, plus a range of other USB devices, to your computer, regardless of their speed or connector type
  - Offers a high-performance USB-C port (10Gbps), two USB-A ports (5Gbps), and one 20-pin internal IDC motherboard header that can provide two USB-A ports (5Gbps)
  - Works with your existing USB 3.0 and USB 2.0 devices, for cost-effective backward compatibility
  - Compatible with high-powered USB devices, with an integrated SATA power connector
  - Fits into full or low-profile systems, with its dual-profile design
  - USB-C port is Thunderbolt 3 data port compatible (10Gbps data only)
  - PCIe x4 interface compliant with PCI Express Base Specification Revision 3.0
  - Compliant with UASP (USB Attached SCSI Protocol) Revision 1.0, as well as USB 3.1 Revision 1.0
  - Fast, hassle-free setup
-

## Hardware

Warranty	2 Years
Ports	5
Interface	USB 3.0 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 VIA/VLI - VL812

---

## Performance

Maximum Data Transfer Rate	10Gbps
Type and Rate	USB 3.1 Gen 2 - 10 Gbit/s USB 3.0 - 5 Gbit/s
UASP Support	Yes
MTBF	50,000 Hours

---

## Connector(s)

Connector Type(s)	PCI Express x4
Internal Ports	IDC (20 pin, USB 3.0, Motherboard Header) SATA Power (15 pin)
External Ports	USB Type-A (9 pin) USB 3.0 (5 Gbps) USB Type-C (24 pin) USB 3.1 (10Gbps)



---

**Software**

OS Compatibility	Windows 7, 8, 8.1, 10 Windows Server 2008 R2, 2012, 2016, 2019 Mac OS 10.9 - 10.10 Linux 3.5, 4.11.x
------------------	---

---

**Special Notes / Requirements**

System and Cable Requirements	PCI Express enabled computer or server with a PCI Express x4 slot or higher (x8, x16)  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 card does not support DP alt mode or USB Power Delivery.

---

**Environmental**

Operating Temperature	0C to 70C (32F to 158F)
Storage Temperature	-20C to 70C (-4F to 158F)
Humidity	5~95% RH (Non-condensing)

---

**Physical Characteristics**

Product Length	3.1 in [79.3 mm]
Product Width	0.7 in [18.0 mm]
Product Height	4.7 in [12.0 cm]
Weight of Product	2.4 oz [67.0 g]

---

**Packaging Information**

Package Length	5.2 in [13.1 cm]
Package Width	6.4 in [16.2 cm]
Package Height	1.3 in [32.0 mm]
Shipping (Package) Weight	4.4 oz [124.0 g]



---

**What's in the  
Box**

Included in Package	5-port USB 3.1 combo card
	low-profile bracket
	quick-start guide

---

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

