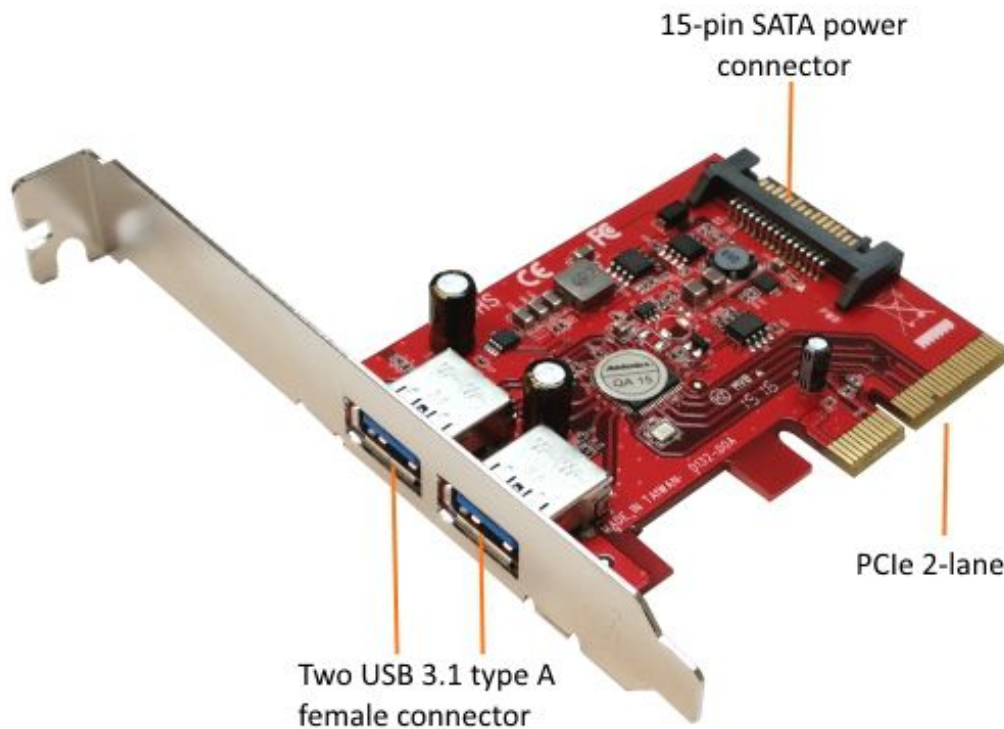


### INTRODUCTION

This Addonics USB 3.1 PCIe controller is a simple and economical solution for adding the latest high speed 10 Gbps USB 3.1 port to any Desktop computers or servers. Designed to install into any PCI-Express 2X slot, the USB 3.1 port on this controller can handle data rate up to 10 Gbps on the PCIe 2.0, doubling the speed of USB 3.1.

For a complete USB 3.1 specification, please visit following link [USB 3.1 document](#).



### FEATURES

- Add two USB 3.1 ports via PCI-Express (PCIe) 2-lane slot
- Maximum 10 Gbits/sec\*, twice the speed of USB 3.0 and 20 times the speed of USB 2.0
- Supports both PCIe 1.0, 2.0 or 3.0
- Includes both standard height and low-profile brackets
- Power directly from PCI-Express slot or via 15-pin SATA power connector (SATA power connection is required for providing more than 500 mA BUS power)
- Hot swappable - drive can be removed and added without system shut down or restart
- Capable of SuperSpeed (10 Gbps, 5Gbps), HighSpeed (480 Mbps), FullSpeed (12 Mbps), and LowSpeed (1.5 Mbps) transaction
- Compatible with Windows 7, 8.1 10 and Windows server

\* To achieve the maximum throughput, the PCI-Express slot must be version 2.0 or higher. Older Notebook with PCI-Express 1.0 will limit the speed to 5 Gbps. Performance per port may decrease if both ports are transferring data simultaneously due to the limited throughput of the PCI-Express slot. Please visit following web page for more information of PCI-Express v1.0 and v2.0 <http://en.wikipedia.org/wiki/PCI-Express>

### SPECIFICATIONS

- USB 3.1 Ports with 5V bus power
- Supports PCIe 1.0, 2.0 or 3.0 motherboard
- Compliant with PCI Express Specification 2.0
- Compliant with Universal Serial Bus 3.1 Specification
- Compliant with Intel eXtensible Host Controller Interface (xHCI) Specification 0.95
- Two USB 3.1 Type A downstream connectors
- All USB ports can handle SuperSpeed (10 Gbps, 5Gbps), HighSpeed (480 Mbps), FullSpeed (12 Mbps), and LowSpeed (1.5 Mbps) transaction
- Support any USB3.1, 3.0, 2.0 and USB1.1 devices
- Built-in 15Pin SATA power connector support the 5V Max 1.5A bus power each USB port from system power supply
- Chipset : ASMedia
- Temperature: Operating 0 to 60 degree C.
- Storage: -25 to 70 degree C.
- Humidity: Operating 10% to 90%
- Non Operating 0% to 95% non-condensing
- Completely with drivers for Windows 7, 8.1, 10 and Windows Server
- Dimensions: (W x D x H) - 40mm x 106mm x 15mm (1.57in x 4.17in x 0.59in)
- Weight: 30g (1.06oz)
- Storage humidity range: 5% - 95% (non condensing)
- 1 year warranty
- RoHS Compliant