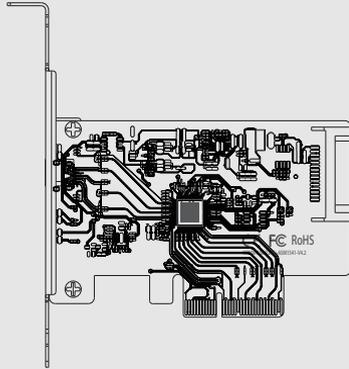




EC318

PCI-e x4 to USB 3.2 Gen2x2 20Gbps  
USB-C Expansion Card

User Manual



*Simplify Your Life*

## About Product

EC318 is a PCI Express to SuperSpeed USB 20Gbps expansion card features USB 3.2 Gen2x2 USB-C interface. This expansion card supports data transfer rate up to 20Gbps and provides enough bandwidth for fast portable SSD storage devices.

Designed for PCI-e 3.0 and above version, this PCI-e card is applicable to most PCs with PCI-e interface (PCI-e x4 x8 or x16) on the motherboard. It works up to 20Gbps for data transfer when connecting to USB 3.2 Gen2x2 compliant peripherals, while maintaining compatibility with existing USB peripheral devices.

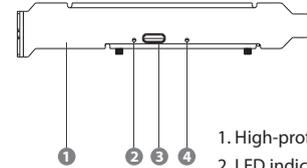
## Features

- SuperSpeed USB 20Gbps, compliant with USB 3.2 Gen2x2
- PCI Express 3.0 x4 lanes (also works on x8 or x16 lanes)
- Compliant with PCI Express Specification 3.0
- Compliant with USB 3.2 Rev. 1.0, Intel xHCI Specification 1.2
- Compliant with USB Attached SCSI Protocol (UASP) Specification 1.0
- Includes low profile slot cover for supporting low profile cases
- Plug and play, no driver required

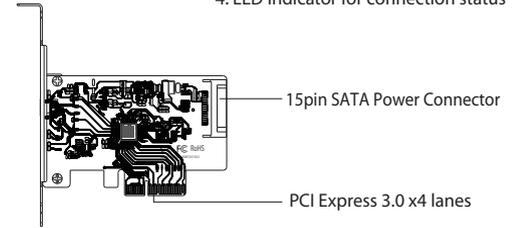
## Specifications

- Bus: PCI Express 3.0 x4 lanes
- Interface: 1x USB-C (USB 3.2 Gen2x2)
- Controller: ASM3242 and ASM1541 USB 3.2 Gen 2x2 controllers
- Speed Support: SuperSpeed USB 20Gbps/10Gbps/5Gbps, HiSpeed USB 480Mbps
- Power Source: Powered by PCI-e slot, SATA Power Connector for additional power
- USB Power Output: 5V3A max
- Supported System: Windows 8 and above

## Interface



1. High-profile bracket
2. LED indicator for power
3. USB-C (USB 3.2 Gen 2x2)
4. LED indicator for connection status



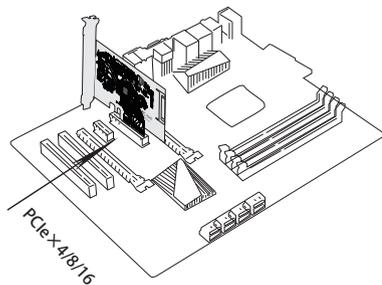
## Safety Information

Please disconnect PC from power before installing. During PC component assembly all cabling has to be disconnected from the computer. It may cause electric shock or damage to PC component.

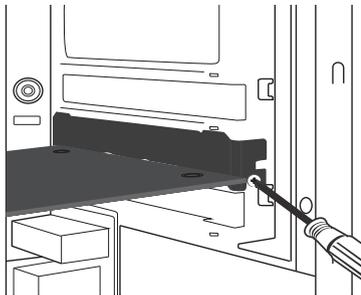
When installing the PC component cards please note ESD (Electrostatic discharge) may cause damage to the PC. Please touch a metal object to discharge or wear antistatic gloves before installation.

# Installation

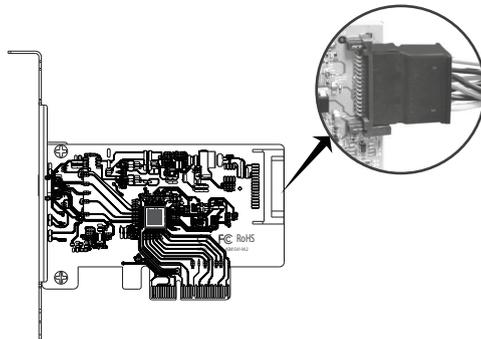
1. Turn your PC off and disconnect power cable
2. Open your PC case and Insert PCI-e card to PCI-e x4, x8 or x16 slot on motherboard



3. Fasten the metal bracket by screw to secure the card on PCI-e slot



4. Plug a SATA power cable from PC power supply to the SATA power port, for additional power when PCI-e can't supply enough power to expansion card



# Note

- EC318 does not support DP Alt Mode or USB Power Delivery.
- Windows 7 is not supported.
- EC318 is designed for PCI-e 3.0 interface. In order to get full speed of USB 3.2 Gen 2x2, please use a PCI-e slot based on PCI Express 3.0 or above version on your motherboard.
- The actual data transfer speed may be limited by the connected USB device, please check your USB device for max supported speed.
- Thunderbolt 3 device is supported but only compatible with 10Gbps data transfer rate.

# Warranty

This product includes one (1) year repair/replacement warranty provide by Simplecom Australia. This warranty is non-transferable and is limited to the original purchaser.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

For our assistance with regards to warranty please email to [support@simplecom.com.au](mailto:support@simplecom.com.au) or create a support ticket at <http://www.simplecom.com.au>

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