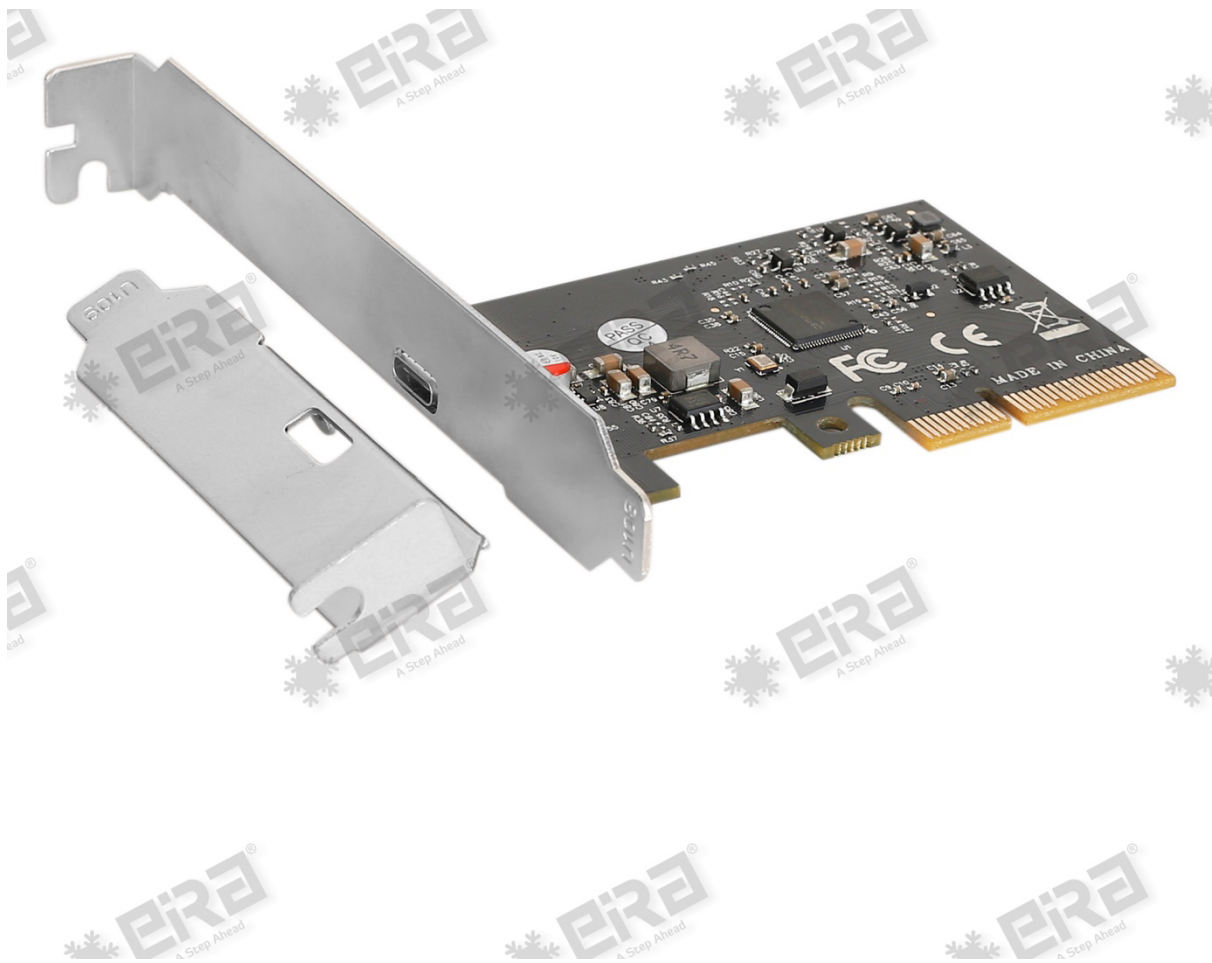# PCIe x4 to USB 3.2 20G Card (1*Type-C)
Model no. ER3105

Technical Specifications Data Sheet

Introduction

PCIe x4 to USB3.2 20G (1 * Type C) Card features an ASMedia ASM3242 host controller that utilizes x4 lanes of the PCIe3.0 bus, making the card capable of speeds up to 20Gbps and enabling fast access to high-performance devices like NVMe drives and SSDs. The controller card supports multiple Ins to reduce bandwidth loss when multiple devices are connected through a USB Hub. The card also supports UASP for improved performance with storage devices.

Specification

- USB3.2 Gen 2x2 PCIe 3.0 x4 Lane Host adapter

- One USB3.2 20Gbps Type C downstream receptacle port

- Compliant with Universal Serial Bus 3.2 Specification Revision 1.0

- Compliant with Intel eXtensible Host controller Interface (xHCI) Specification1.1

- Compliant with USB Attached SCSI Protocol specification 1.0.

- Compliant with PCI Express specification 3.0

- Speed support: SuperSpeed USB 20Gbps/10Gbps/5Gbps, HiSpeed USB 480Mbps

- Overcurrent protection

- Provides Type-C port bus power up to 5V/3A.

- Low profile PCIe form factor

- Plug and play, no driver required.

- Regular size PCIe bracket on board and low profile PCIe bracket included.

- Require an empty PCIe 3.0 x4 or x8 or x16 slot in computer for USB3.2 Gen2x2 full performance.

Technical Specifications

Brand	**EiRA**
SKU Code	ER3105
Product model	PCIe x4 to USB 3.2 20G Card (1*Type-C)
Expansion Interface	PCIe x4
Chipset	Asmedia ASM3242
USB Standard	USB3.2 Gen2 20G
Number of Ports	1 * Type C
Form Factor	Plug-in Card with Small Form Factor Support
Small/Low Profile Bracket	Yes
Plug and Play	Yes
Hot-Swapping	Yes
PCI Specification Revision	PCIe 3.0
PCI-Express Transfer Rate	8 GT/s
Input Bus Interface	PCI Express - Compatible with x4/x8/x16 slots
Output Interface	1 x Type C USB3.2 Gen 2x2 connector (Type C Female)
Data Transfer Rate	Up to 20 Gbps
Speed	SuperSpeed USB 20Gbps/10Gbps/5Gbps, HiSpeed USB 480Mbps
Dimensions	
Supported Operating Systems	Windows 11/ 10/ 8.1/8, Server2012. Mac10.8 to 10.10, MAC 10.12, Linux kernel 2.6.31 and later OS in-box USB driver natively support UASP, no additional driver required (Win7 is not supported)
	* Mac os10.11 in-box driver not support USB3.2
Operating Temperature	0~85oC (32F to 185F)
Storage Temperature	25~85o C (-13F to 185F)
Humidity	15%~90%RH
Warranty*	1 year

System Requirements

- Windows® 8/8.1/10/11, Server2012 L (32/64 bit)
- Mac10.8 to 10.10, Mac 10.12 and later
- Linux kernel 2.6.31 and later
- One available PCI Express x4 or x8 or x16 slot (Recommend PCI Express 3.0)
  *NOT supported PCI-Express x1 slot

Package Contents
• 1 x PCIe x4 to USB3.2 20G (1 * Type C) card
• 1 x User Manual

Hardware Installation
1. Turn Off the power to your computer.
2. Unplug the power cord and remove your computer's cover.
3. Remove the slot bracket from an available PCIe X4 slot.
4. To install the card, carefully align the card's bus connector with the selected PCIe slot on the motherboard. Push the board down firmly.
5. Replace the slot bracket's holding screw to secure the card.
6. Replace the computer cover and reconnect the power cord

Driver Installation
Mac10.8 to 10.10, Mac10.12 Windows11, Windows10, Window8,8.1 Server2012, Linux kernel 2.6.31 and later OS in-box USB driver natively support UASP, no additional driver required.