



RocketU 1244C

PCI-Express 3.0 x8 Host interface, 4x USB 10Gb/s Type-C Ports

Industry's Fastest 4-Port USB HBA: Dedicated 10G USB 3.2 Controller per Port!

Industry Proven Per-Port Performance USB Architecture

HighPoint's industry-proven Per-Port Performance USB architecture enables each RocketU 1244C HBA to support up to 4,000 MB/s of transfer bandwidth, while ensuring each hosted USB device can operate at peak performance without fear of saturating the host bus or taxing system resources.

PCIe 3.0 x8 Host Interface

The blazing fast PCIe 3.0 x8 host interface works in tandem with the RocketU 1244C's Per-Port Performance architecture to ensure each individual USB Type-C connector can deliver 1000MB/s of transfer bandwidth at all times, even in cases where each port is occupied and under heavy load.

Dedicated USB Controllers Provide Independent Device Paths & Power Delivery

The RocketU 1244C's four dedicated USB 3.2 controllers enable each port to work independently and deliver up to 7.5W of power for device operation or charging purposes. The innovative PCB layout provides a dedicated connectivity pathway for each port; hosted USB devices can operate at full speed without interference from neighboring USB connections.

Designed for High-Speed Data Acquisition and Capture Applications

The RocketU 1244C was built for professional workflows that demand ease of integration, hot-plug capability, and rapid file transfer. The four independent 1000MB/s USB ports and PCIe 3.0 x8 host interface can easily accommodate a wide range of high-speed data acquisition applications, including imaging and capture solutions, security systems, and media archiving.

Feature Highlights

- 4x Dedicated USB-Type C 3.2 10Gb/s Ports
- Dedicated PCIe 3.0 x8 Host Interface
- 1000 MB/s of transfer bandwidth per USB port
- Ideal for High-Speed Data Acquisition & Transfer Applications
- Driverless Installation: Native xHCI Support

xHCI Compliant: Driverless installation

The RocketU 1244C is a true plug-and-play USB controller, and is supported natively by all modern operating system platforms including Windows 10, Windows Server 2019, macOS Big Sur, and current distributions of Linux.

Universal Compatibility

RocketU 1244C controllers can be installed into any computing platform with an industry-standard PCIe 3.0 or 4.0 x8 or 16 slot. The four independent USB Type-C ports support any industry-standard USB 2.0/3.0/3.1/3.2 device, including USB hard drives and SSD's, cameras, printers, capture devices and peripherals.



Feature Specifications	
Host Bus Interface	8-lane, 8 GT/s PCI Express 3.0 Compliant
Interface Technology	Supports up to USB 3.2 10Gb/s link speed Backwards compatible with USB 3.2 Gen 2, USB 3.2 Gen 1 & USB 2.0
Supported Standard	UASP, xHCI
Operating System Support	
Operating System Support (Mac compatibility)	Mac Pro5,1 or 7,1 MacOS10.12.6+
Operating System Support (Windows compatibility)	Computer with PCIe slots Windows 10, 8.1, 7 Windows Server 2019,2016,2012,and 2008(64-bit editions)
Operating System Support (Linux compatibility)	Computer with PCIe slots Linux kernel 3.10.0+
Apple M1 Platform Support	Yes(Requires RS6661A)
Number of Channel / Port	4x USB 3.2 Gen 2
Port Type	USB Vertical Type-C
Data Transfer Rates:	Dedicated 10Gb/s per port
Number of Devices	4x USB 1.x, 2.0, and 3.x compatible devices
USB port Ampage	1.5A output per port
Bus Powered Peripherals	Up to 7.5W per port for device operation or charging
External Power Support	Yes (6pin PCIe Power Connector)
USB Port Sharing	Dedicated (Not Shared): Each USB Port has a dedicated controller (ASM3142)
Form Factor	Low-Profile
Dimensions	4.52"W x 2.71"H x 0.71"D
Weight	0.46 lbs.
Warranty	1 Year
Compliance Certification	CE, FCC, RoHS, REACH, WEEE
Storage Feature	
Bootable Drive Support	Yes (Linux, Mac)
Drive hotplug Support	Yes
Operating Environment	
Work Temp:	5°C ~ 45°C
Storage Temp:	40°C ~ 65°C
Operating Voltage	PCI-e: 12V, 3.3V
Power	Typical: 8.83W (card only)
MTBF (Mean Time Before Failure)	920,585 Hours
Kit Contents	
Controller card	1x Controller card
Quick Installation Guide	1x Quick Installation Guide
Low Profile Bracket	1x Low Profile Bracket

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