



# RocketU 1388D

PCI-Express 3.0 x16 Host interface, 8x USB 10Gb/s Type-C Ports

## 2<sup>nd</sup> Generation 8-Port USB 3.2 10Gb/s HBA

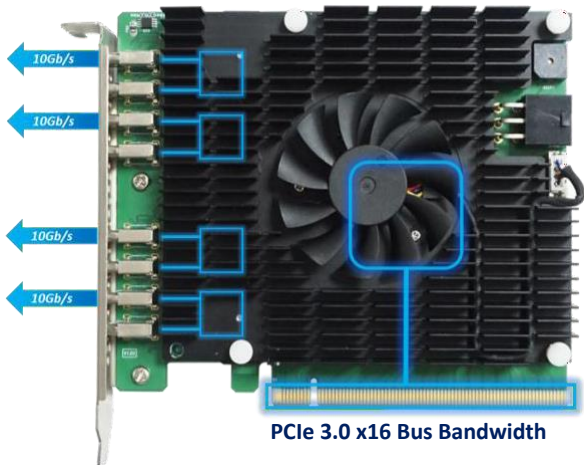
### The Industry's only 8-Port USB 3.2 10G HBA

The RocketU 1388D (RU1388D) is HighPoint's 2<sup>nd</sup> generation 8-Port 10Gb/s USB 3.2 HBA, and is designed to tackle high-speed data acquisition and transfer workflows for industrial applications.

Like its predecessor, the RocketU 1388C, the RocketU 1388D's eight USB Type-C can deliver up to 10G of transfer bandwidth, and are backed by a robust PCIe 3.0 x16 host interface.

### Feature Highlights

- 4 USB-Type A ports support any industry-standard UB deice or peripheral
- Up to 1000 MB/s of transfer bandwidth per USB port
- Dedicated PCIe 3.0 x8 Host Interface
- Driverless Installation: Native XHCI Support
- Ideal for professional-grade, High-Speed Data Acquisition & Transfer Applications
- For Linux & Windows platforms



### Shared Architecture with Intelligent 10Gb/s USB Switch

The RocketU 1388D's shared architecture assigns two USB ports to each 10Gb/s USB 3.2 controller IC. However, the design incorporates an intelligent USB switch, which can assign the full 10G bandwidth to any given USB port if the second port is not in use. Standard USB HBA's will simply split the available bandwidth evenly between each port, regardless of whether that port is active or not.

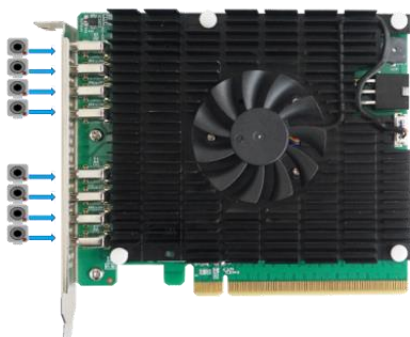
### Blazing Fast PCIe 3.0 x16 Host Interface

The blazing fast PCIe 3.0 x16 host interface works in tandem with our intelligent switch architecture, and enables each USB port to deliver up to 10G transfer bandwidth.

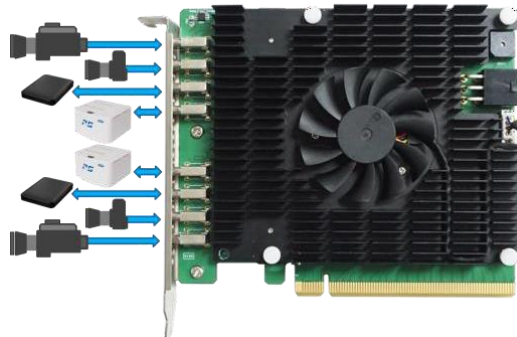
## Ideal for High-Speed Data Acquisition and Capture Applications

The RocketU 1388D USB 3.2 HBA was designed for workflows that demand ease of integration, hot-plug capability, and rapid file transfer. The independent 20Gb/s USB ports and PCIe 3.0 host interface can easily accommodate a wide range of high-speed applications, including imaging and capture solutions, security systems, VR platforms and media archiving.

### USB Cameras & Imaging/Capture Devices



### Media Processing & Archiving



Feature Specifications	
Host Bus Interface	16-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 Gen2, USB3.2 Gen1 & USB 2.0
Supported Standard	xHCI (eXtensible Host Controller Interface) / UASP (USB attached SCSI protocol)
Operating System Support	
Windows Compatibility	Computer with PCIe 3.0 x8 or x16 slot: Windows 11, 10, 8.1 / Windows Server 2022, 2016, 2012, 2008 (64-bit editions)
Linux Compatibility	Computer with PCIe 3.0 x8 or x16 slot / Linux kernel 3.10.0 and later
Number of Channel / Port	8x USB 3.2
Port Type	USB Type-C
Data Transfer Rates:	Up to 10Gb/s per port
Number of Devices	8 x USB 1.x, 2.0, and 3.x compatible devices
USB Port Amperage	1.5A output per port
Bus Powered Peripherals	Up to 7.5W per port for device operation or charging
External Power Support	Yes (Uses a 6pin PCIe Power Connector)
USB Port Sharing	Shared: 2 USB ports are assigned to each USB controller
Form Factor	Full-Height
Cooling System	Full-Length Anodized Aluminum heat sink with fan
Dimensions	5.09" W x 4.37" H x 0.76" D
Weight	0.75 lbs.
Warranty	1 Year
Compliance Certification	CE, FCC, RoHS, REACH, WEEE
Storage Feature	
Bootable Drive support	Yes
Drive hot-plug 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: 9.22W (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	N/A



### HighPoint Certified Cabling Accessories

HighPoint Certified USB Accessories are fully compliant with all current technology standards and have been rigorously tested with our USB HBA's, USB Enclosures, USB Drive Docks, and a variety of motherboard and computing platforms to ensure maximum transfer performance, secure connectivity, and ease of integration.

As we cannot guarantee secure connectivity, optimal transfer bandwidth, stability, or compatibility with unqualified third-party cables, adapters, or enclosures, only HighPoint Certified accessories used with our product lines.

Certified Accessories	
	USB-A31-1MC - Type-A to Type-C cable, 1 Meter
	USB-A31-2MC - Type-A to Type-C cable, 2 Meter
	USB-A31-06B - Type-A to Micro-B cable, 1 Meter

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