



## RocketU 1244A

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

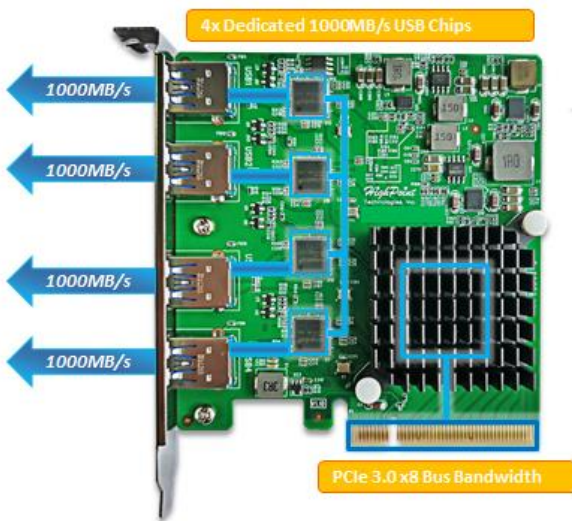
**Industry's Fastest USB HBA: Dedicated 10G USB 3.2 Controller per Port!**

### Dedicated Per-Port Performance Architecture

4x 1000MB/s Transfer Bandwidth

Unlike most USB controllers in today's marketplace, the RocketU 1244A sports four independent USB Type-A ports, each of which is powered by a dedicated USB 3.2 10Gb/s controller.

This unique Per-Port Performance architecture enables each RocketU 1244A to deliver up to 4000MB/s of transfer bandwidth.



### Feature Highlights

- 4 USB-Type A ports support any industry-standard USB device or peripheral
- 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

### Blazing Fast PCIe 3.0 x8 Host Interface

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

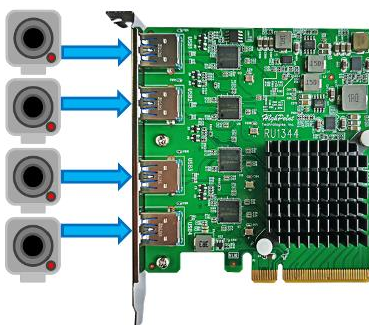
### Dedicated USB Controllers Provide Independent Device Paths & Power Delivery

The RocketU 1244A'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 USB connection pathway for each port; hosted USB devices can operate at peak performance, without the risk of interference by neighboring USB connections.

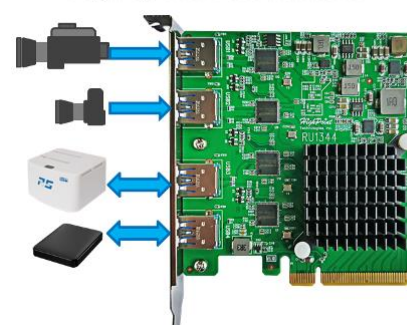
### Ideal for High-Speed Data Acquisition and Capture Applications

The RocketU 1244A's performance-focused HBA architecture was designed for 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.

#### USB Cameras & Imaging/Capture Devices



#### Media Processing & Archiving



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 3.1, 3.0 & 2.0
Supported Standard	UASP, xHCI
Operating System Support	
Windows	Windows 10, 8.1, 7, Windows Server 2019, 2016, 2012, and 2008 (64-bit editions)
Linux	Linux Kernel 3.10 or later
macOS	macOS 10.12.6 and later (Big Sur compatible)
System Requirements	
Platforms	<b>Platforms:</b> <ul style="list-style-type: none"> <li>Apple Mac Pro Systems: 2012 and later Mac Pro systems; 5.1, 7.1 (2019)</li> </ul>
	<b>Platforms:</b> <ul style="list-style-type: none"> <li>Any PC Systems or Motherboard with an industry standard PCIe x16 physical Slot (Bifurcation is not required)</li> </ul>
Apple M1 Platform Support	No
Number of Channel / Port	4x USB 3.2
Port Type	USB Type-A
Data Transfer Rates:	Dedicated 10Gb/s per port
Number of Devices	4 x USB 1.x, 2.0, and 3.x compatible devices
USB port Ampage	2A output per port
Bus Powered Peripherals	Up to 10W per port for device operation or charging
External Power Support	N/A
USB Port Sharing	Dedicated (Not Shared): Each USB Port has a dedicated controller (ASM3142)
Form Factor	Full-Height
Dimensions	3.79" W x 4.09" H x 0.70" D
Weight	0.44 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: 2.7W (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.

Table with 2 columns: Image of cable and Product Name. Rows include USB-A31-1MC (1 Meter), USB-A31-2MC (2 Meter), and USB-A31-06B (1 Meter).

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