HighPoint
Technologies, Inc.

RocketU 1144F
PCIe 3.0 x4 to 4-Dedicated 5Gb/s USB 3.2 Ports
(Direct Replacement & Upgrade for the RocketU 1144D HBA)

Dedicated USB 3.2 5Gb/s Per-Port Architecture & PCIe 3.0 x4 Host Interface

HighPoint RocketU 1144F:

The RocketU 1144F is the industry's fastest 4-Port 5Gb/s USB controller card and is powered by our proven per-port-performance architecture.
Each of the four independent USB 3.2 5Gb/s device ports features a dedicated 5Gb/s controller, and is backed by a PCIe 3.0 x4 host interface.
The RocketU 1144F is optimized for USB 3.x storage devices and peripherals, and is well suited for a wide-range of applications including portable/removable storage, storage expansion, personal media libraries, and backup solutions.

Direct Replacement & Performance Upgrade

Although the RocketU 1144F is a direct upgrade for the RocketU 1144D USB 3.0 PCIe 2.0 x4 HBA, it doubles the available PCIe bandwidth to USB 3.0 x4. This is ideal for applications that require support for up to four SATA SSDs via a USB 3.1/3.2 drive enclosure; each SSD will be able to operate at full speed, simultaneously.

UAS Performance Boost

RocketU HBA's can deliver even higher levels of performance when paired with UAS capable storage devices, such as RocketStor USB 3.x Storage Docks. The speed and efficiency advantages provided by UAS technology are ideal for multi-tasking and performance-hungry applications.
UAS (USB Attached SCSI) is a computer protocol that is used to transfer data to and from USB storage devices. UAS is dependent on the USB protocol, and utilizes the standard SCSI command set.

UAS offers maximized bandwidth utilization, and can handle multiple data transfer requests simultaneously, unlike the slower queue system of BOT (Bulk Only Transport), which only provides single-task commands – each task must complete before the next begins. As a result, USB 3.2 connections working in UASP mode result in higher transfer speeds and lower CPU utilization. UAS clears data queues faster, which results in smoother-operating PC's.

Tuned for High-Speed USB Storage Devices

The RocketU 1144F's USB 3.2 controllers , PCIe 3.0 x4 bandwidth, and UAS capabilities allow it to deliver uncompromised transfer bandwidth for UAS capable storage devices such as USB 3.x SSDs/HDDs, and HighPoint USB RAID enclosures and storage docks.

Universal Compatibility

The RocketU 1144F is an all-in-one, USB 3.2 connectivity solution for PC platforms. In addition to high-performance storage devices, the USB 3.2 architecture supports industry standard USB 2.0 and 3.x peripherals including printers and scanners, hubs, card readers and interface devices.

Certified Cabling Accessories

The RocketU 1144F utilizes USB Type-A connectors for maximum compatibility and is compatible with HighPoint Certified cabling accessories such as the USB-A31-1MC & USB-A31-2MC Type-A to Type-C cables, and the USB-A31-06B Type-A to Micro-B cable.

Feature Highlights

- PCIe 3.0 x4 Host Interface
- 4x Dedicated 5Gb/s USB 3.2 5Gb/s ports
- Ideal for USB storage devices; SSDs, HDDs, enclosures & drive docks
- Supports any industry standard USB device
- For Windows, macOS and Linux

Driverless, Plug & Play Installation

The RocketU 1144F utilizes an industry standard PCIe 3.0 x4 host-interface and can be easily installed into any PCI-Express x4, x8, or x16 capable desktop and workstation.
In addition, the RocketU 1144F is an xCHI device, and will be automatically recognized by any modern operating system including Windows 11, 10 and Server 2019, macOS 11.x and most Linux distributions.

USB 3.2

xHCI

RocketU 1144F Technical Specifications

USB Ports	Four USB 3.2 Type-A Ports
Transfer Rate	5Gb/s per port
Host Interface	PCIe 3.0 x4
Operating System Support	Windows, Linux, macOS
Card Dimensions	3.74" x 3.78" x 4.96"
Certification Approval	ROHS, FCC/CE, WEEE

RocketU 1144F

Product Image	Coming Soon
Form factor	Full-Height
Retail Box Dimensions	TBA
Retail Box Weight	0.46 lbs.
UPC Code	TBA
Kit Contents	1x RocketU 1144F Host Adapter, 1x Quick Installation Guide
Warranty	1 Year

HighPoint Certified Accessories

USB-A31-1MC - Type-A to Type-C cable, 1 Meter

USB-A31-2MC - Type-A to Type-C cable, 2 Meters

USB-A31-06B - Type-A to Micro-B cable, 1 Meter