



## RocketU 1022D

### Dual-Port USB 3.2 5Gb/s PCIe 3.0 x1 Host Controller

(Direct Replacement for the RocketU 1022C)

## High-Performance Dual-Port 5Gb/s USB 3.2 HBA for PC & Mac Platforms

### HighPoint RocketU 1022D

The RocketU 1022D is a PCIe 3.0 x1 2-Port 5Gb/s USB 3.2 HBA designed for use with PC and Mac platforms.

The RocketU 1022D is capable of supporting any industry standard USB 3.x /2.0/1.x devices and peripheral, and is an ideal solution for applications that require access to external storage devices such as USB Hard Drives and SSDs, Drive Docks and enclosures.

### Direct Replacement & Performance Upgrade

The RocketU 1022D is a direct upgrade for the RocketU 1022C USB 3.0 PCIe 2.0 x1 HBA. The integrated USB 3.2 controllers enable the RocketU 1022D to support any generation of USB device, while the PCIe 3.0 x1 host interface allows it to be used with any PCIe 3.0/4.0 slot.

### 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. Unlike the slower queue system of BOT (Bulk Only Transport), which only provides single-task commands; each task must complete before the next begins, UAS offers maximized bandwidth utilization, and can handle multiple data transfer requests simultaneously.

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.

### Universal Compatibility

The RocketU 1022D 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 1022D 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.

### Driverless, Plug & Play Installation

The RocketU 1022D utilizes an industry standard PCIe 3.0 x1 host-interface and can be easily installed into any PCI-Express x1, x4, x8, or x16 capable desktop and workstation.

In addition, the RocketU 1022D is an xHCI device, and will be automatically recognized by any modern operating system including Windows 11, 10 and Server 2022, macOS 11.x and most Linux distributions.

### Feature Highlights

- PCIe 3.0 x1 Host Interface
- 2x 5Gb/s USB 3.2 ports
- Ideal for USB storage devices; SSDs, HDDs, enclosures & drive docks
- Supports any industry standard USB device
- For Windows, macOS and Linux



Feature Specifications	RocketU 1022D	RocketU 1022C
Host Bus Interface	PCIe 3.0 x1	PCIe 2.0 x1
Interface Technology	Supports up to USB 3.2 5Gb/s link speed Backwards compatible with USB 3.x & 2.0	Supports up to USB 3.0 5Gb/s link speed Backwards compatible with USB2.0 & 1.1
Supported Standard	UASP, xHCI	UASP, xHCI
<b>Operating System &amp; Platform Support</b>		
Windows	<ul style="list-style-type: none"> <li>Windows 11/10/8.1</li> <li>Windows Server 2022/2016/2012/2008 (64-bit editions)</li> </ul>	<ul style="list-style-type: none"> <li>Windows 10/8.x/7</li> <li>Windows Server 2016/2012</li> </ul>
Linux	<ul style="list-style-type: none"> <li>Linux Kernel 3.10 or later</li> </ul>	<ul style="list-style-type: none"> <li>Linux Kernel v2.6.31 or later,</li> </ul>
macOS	<ul style="list-style-type: none"> <li>Mac Pro 5,1 or 7,1</li> <li>macOS 10.12.6 and later</li> <li>Supports Intel &amp; M1 chipset</li> </ul>	<ul style="list-style-type: none"> <li>Mac Pro 5,1 or 7,1</li> <li>Mac OS X 10.9 and later</li> </ul>
Thunderbolt PCIe Expansion support	Yes; Supports USB 3.x devices when card is installed in a Thunderbolt™ to PCIe Card Expansion System (Requires RS6661A)	Yes; Supports USB 3.0 devices when card is installed in a Thunderbolt™ to PCIe Card Expansion System (Requires RS6661A)
Number of Channel / Port	2	
Port Type	USB Type-A	
Data Transfer Rates:	Up to 5Gb/s per port	
Number of Devices	2 x USB 3.x, 2.0, and 1.x compatible devices	2 x USB 3.0, 2.0, and 1.x compatible devices
USB port Amperage	1.5A output per port	1.5A output per port
Bus Powered Peripherals	Up to 7.5W per port for device operation or charging	Up to 7.5W per port for device operation or charging
External Power Support	Uses 6pin PCIe Power Connector	Standard 4-pin Molex 8981 power connector (female).
Form Factor	Half-Height	Half-Height
Dimensions	2.68"W x 2.57"H x 0.60"D	2.68"W x 2.57"H x 0.60"D
Weight	0.42 lbs.	0.42 lbs.
Warranty	1 Year	
Compliance Certification	CE, FCC, RoHS, REACH, WEEE	
<b>Storage Features</b>		
Drive hot-plug Support	Yes	
<b>Operating Environment</b>		
Work Temp:	5°C ~ 45°C	
Storage Temp:	40°C ~ 65°C	
Operating Voltage	PCI-e: 12V, 3.3V	
MTBF (Mean Time Before Failure)	920,585 Hours	
<b>Kit Contents</b>		
Product	1x Controller card	1x Controller card
Documentation	1x Quick Installation Guide	1x Quick Installation Guide
Bracket	1x Low-Profile (half-height) PCIe bracket	1x Low-Profile (half-height) PCIe bracket

RocketU 1022D	
<b>Product Image</b>	
<b>Form factor</b>	Half-Height
<b>Retail Box Dimensions</b>	4.29" L x 4.76" W x 0.85" D
<b>Retail Box Weight</b>	0.44 lbs.
<b>Kit Contents</b>	1x RocketU 1022D Host Adapter, 1x Quick Installation Guide, Low-Profile bracket
<b>Warranty</b>	1 Year
HighPoint Certified Accessories	
	<b>USB-A31-1MC</b> - Type-A to Type-C cable, 1 Meter
	<b>USB-A31-2MC</b> - Type-A to Type-C cable, 2 Meters
	<b>USB-A31-06B</b> - Type-A to Micro-B cable, 1 Meter

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