

RocketStor 6314B - 4-Bay Thunderbolt™ 2 to Thunderbolt™ 3 Hardware RAID Tower Enclosure



- Includes Thunderbolt™ 2 to Thunderbolt™ 3 Type-C Adapter
- Dual Thunderbolt™ 2 Ports support Daisy Chain configurations up to 6 Thunderbolt™/Thunderbolt™ 2 Devices
- Industry proven Hardware RAID Solution: Integrated RAID 0, 1, 5, 6, 10 & JBOD support
- Up to Four 14TB SAS/SATA HDDs and SSDs & up to 56TB of Storage Capacity
- Innovative DV Mode technology delivers highly stable, maximized transfer performance for Editing or Streaming 4K or HD video applications
- User Friendly RAID Management Suite
- Windows & Mac Compatible

The Industry's Most Affordable Thunderbolt™ 3 Hardware RAID Storage Solution



HighPoint's RocketStor 6314B is the industry's most affordable Thunderbolt™ 3 hardware RAID solution. Backed by our industry proven hardware RAID technology, and featuring four removable, hot-swap drive bays, the RocketStor 6314B supports up to 4 SAS/SATA hard drives or SSD's and up to 56TB of storage configured into one or more RAID arrays. The compact enclosure's robust Thunderbolt™ connectivity supports sustained transfer speeds exceeding 1,300MB/s, and is ideal for small form-factor desktops or workstations, and portable computing platforms.

Includes Thunderbolt™ 2 to Thunderbolt™ 3 Adapter: Each retail kit includes our TB3-LADP-TB2 adapter, which enables the RocketStor 6314B to be easily connected to any PC or Mac platform with a Thunderbolt™ 3 USB-C port. The adapter ensures a fully seamless connection between the enclosure and host system, and does so without impacting the transfer bandwidth or disabling the daisy-chain capability.

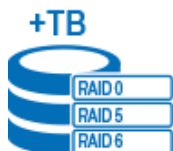


Hardware RAID Architecture: The RocketStor 6314B is ideal for RAID 5 / 6 SATA and SAS Storage Applications that require Maximum Sustained RAID of 5/6 Performance. Robust, Built-In Hardware RAID: Dedicated hardware RAID 5/6 Engines with 512MB of DDR3 onboard cache allow the RocketStor 6314B to work independently and minimize the RAID operation's impact on the host system or system loads impact storage performance. DV Mode Technology intelligently manages the flow of large data blocks and write-back caching to minimize latency and ensure consistent, sustained high-performance transfers for media-rich applications.

Uncompromised Storage Availability and Accessibility: The RocketStor 6314B has integrated a series of preemptive security measures to maximize Storage uptime whenever data is needed. Redundant RAID 5 and 6 protection shields storage configurations from 1 or 2 disk failures, respectively. The RocketStor Storage Health Inspector (SHI) proactively maintains the health of arrays by examining each drive for failed sectors & Dynamically Repair/Remap on the fly to keep storage ready & able.



Robust RAID Recovery: HighPoint Hardware RAID solutions feature built-in NVRAM, which constantly tracks in-progress writes to preserve the integrity of data in the event of a drive failure or system crash, and streamline recovery procedures while minimizing downtime. Administrators can initialize or schedule RAID verification sessions that check each disk member of an array for parity consistency. If any parity related problems are found, the interface will immediately rebuild the array to ensure the integrity of your data.



Simple and Easy Storage Expansion: Online Capacity Expansion and RAID Migration allow customers to modify RAID configurations or expand existing storage while avoiding complicated, time consuming backup and restoration procedures.


Works with any Thunderbolt Platform: *Thunderbolt™, Thunderbolt™ 2 & Thunderbolt™ 3 Compatible*

The integrated Thunderbolt™ 2 ports support both Thunderbolt™ 2 and Thunderbolt™ 3 host platforms, and the included Thunderbolt™ 3 adapter enables the RocketStor 6314B to be used with any modern Thunderbolt™ 3 USB-C system.

Feature Specifications	
Port Type	Thunderbolt™ 2
Onboard Storage processor	RAID-On-Chip Onboard
Onboard Cache Memory	512MB DDR 3 Cache Memory with ECC Protection
Number of Ports	2x Thunderbolt™ Ports
RAID Level	0, 1, 5, 6, 10 and JBOD
Operating System	Windows Server 2008 and Windows 7 and later
	macOS 10.8.5 and later
	Driver embedded into macOS 10.9 and Later
Max. Capacity	Up to 56 TB
Number Of drives	Up to 4
Drive Interface	SAS, SATA
Drive Form Factor	3.5" & 2.5"
Material	Brushed aluminum housing
Dimension s	8.43" (H) x 5.28" (W) x 8.66" (D)
Weight (enclosure)	9.46 lbs.
Warranty	2 Years
Advanced RAID Features	Configurable RAID Block Size up to 1MB
	Flash ROM for Upgradeable Firmware
	DV Mode Technology
	Storage Health Inspector
	Redundant RAID Configurations
	Bootable RAID Array
	EFI BIOS for Mac Platform
	Multiple RAID Partitions supported
	Online Array Roaming
	Online RAID Level Migration (ORLM)
Online Capacity Expansion (OCE)	

Advanced RAID Features (cont.)	RAID Initialization Background/Foreground/Quick
	Global Hot Spare Disk support
	Automatic and configurable RAID Rebuilding Priority
	NVRAM with Write Journaling enhances RAID integrity
	Larger than 2 TB Drive and RAID Array support
	Spin down Massive Arrays of Idle Disks support
	Native Command Queuing
	Write Back and Write Through

Power Supply	AC INPUT: 100-240V ~ 5A 50/60Hz; DC OUTPUT: 250W
Internal Fan	80x80x25mm, Single Fan
Alarm Buzzer	Buzzer beeping when failed drive or array occurs
Compliance Certification	CE, FCC, RoHS, REACH, WEEE
Operating Environment	
Temperature	(operating) 5°C – 45°C (non-operating) -40°C – 65°C
Kit Contents	1x 4-Bay Tower Enclosure
	4x Drive Trays
	1x Thunderbolt™ Cable
	1x UL Power Cord
	16x 3.5" HDD mounting screws
	16x 2.5" SSD mounting screws
	1x Quick Installation Guide
	1x Thunderbolt™ 3 USB-C to Thunderbolt™ 2 Adapter (TB3-LADP-TB2)

Optional Accessories	
	<p>RocketStor TRAY-T - Removable hot-swap drive tray</p> <p>Key Feature: 2.5" and 3.5" drive compatible</p> <p>The RocketStor RSTRAY-T is a Drive Tray for HighPoint RocketStor 6314A, 6314B, 6318A, 6414S, 6414AS, 6414TS, 6414VS, 6418AS, 6418TS, 6418S Tower RAID Enclosures. This is a replacement Drive Tray designed specifically for HighPoint RocketStor Tower RAID Enclosures.</p>

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