RocketStor 6314A

4-Bay Thunderbolt™ 2 Hardware RAID Tower Enclosure

- Dual Thunderbolt™ 2 Ports
- Industry proven Hardware RAID Solution allows storage to work independently from system resources to ensure uncompromised transfer performance and stability
- 8x Hot-swappable HDD / SSD Drive Bays
- Up to Four 8TB SAS/SATA HDDs and SSDs, up to 32TB Storage Capacity
- RAID 0, 1, 5, 6, 10 & JBOD
- DV Mode technology delivers highly stable, maximized transfer performance for Editing or Streaming 4K or HD video applications
- Dual Thunderbolt™ Ports for Daisy Chaining up to 6 RocketStor RAID Enclosure or Thunderbolt devices
- User Friendly RAID Management Suite
- Windows and Mac Compatible

Industry's Lowest-Cost 4-Bay Thunderbolt™ 2 Hardware RAID Enclosure

RAID Architecture: The RocketStor 6314A 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 6314A 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.
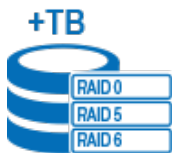
Thunderbolt™ 2 Connectivity Solution: The RocketStor 6314A utilizes high-performance Thunderbolt™ 2 connectivity to directly support up to 4 SAS/SATA Hard Drives or SSDs in one or more RAID storage configurations. The robust bandwidth and simple single-cable design, with a maximum transfer speed exceeding 1,300MB/s, is ideal for compact workstations and portable computing platforms.

Uncompromised Storage Availability and Accessibility: The RocketStor 6314A 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.

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	Window Server 2008 and Window 7 and later
	Mac OS X 10.8.5 and later
	Driver embedded into Mac OS X 10.9 and Later
Max. Capacity	Up to 32 TB
Number Of drives	Up to 4
Drive Interface	SAS, SATA
Drive Form Factor	3.5" & 2.5"
Material	Brushed aluminum housing
Dimension	8.43" (H) x 5.28" (W) x 8.66" (D)
Weight	9.46 lbs.
Warranty	3 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)
	RAID Initialization Background/Foreground/Quick
	Global Hot Spare Disk support
	Automatic and configurable RAID Rebuilding Priority
	NVRAM with Write Journaling enhances RAID integrity
	Disk Format compatible: 512, 512e, 4Kn
	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

Storage Monitoring and Management Suite	
RAID Management Suites	Browser-Based management tool
Password Secured RAID management Suites	Default no password needed to access WebGUI in Mac
LED Indicator	Power, Present, Active, Fail, Rebuilding and Identify
SMTP Email Alert Notification	Email Alert Notification
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
Operating Environment	
Temperature	(operating) 5°C – 45°C (non-operating) -40°C – 65°C
Relative Humidity	(operating) 8% – 90% RH (Non-condensing) (non-operating) 5% – 95% RH (Non-condensing)
Kit Contents	
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

Optional Accessories

RocketStor TRAY-T - Removable hot-swap drive tray
Key Feature: 2.5" and 3.5" drive compatible
The RocketStor RSTRAY-T is a Drive Tray for HighPoint RocketStor 6314A, 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.