

RocketStor 6414VS

4-Bay Q-SATA Value RAID Tower Enclosure



- Single SFF-8088 Port
- Robust Value RAID Architecture efficiently utilizes system resource to accelerate RAID 5 Performance up to 5,00MB/s
- 4x Hot-swappable HDD / SSD Drive Bays
- Up to Four 8TB SATA HDDs and SSDs, up to 32TB Storage Capacity
- RAID 0, 1, 5, 10 & JBOD
- Industry Most Cost-effective RAID 5 Storage solution
- User Friendly RAID Management Suite
- Windows, Linux, FreeBSD and Mac compatible

Industry’s Lowest-Cost 4-Bay RAID 5 Enclosure

The RocketStor 6414VS RAID Solution is powered by our industry proven RAID stack and leverages the powerful system resources and robust 2nd generation PCIe x4 host interface of today’s modern computing platforms to deliver highly affordable RAID 5 storage solutions.



Q-SATA Connectivity Solution: **Q-SATA**, or **Quad-SATA** is a connectivity Solution that utilizes SFF-8088 connectors to deliver true SATA 6Gb/s RAID Storage performance at an affordable price point. “Q” refers to the performance capability of the connection, which quadruples the SATA transfer bandwidth up to 2x 2,400MB/s, and fully optimizes RAID performance for up to 4 SATA 6Gb/s SSD or hard drives. Q-SATA features a robust locking mechanism to ensure stable and reliable storage connectivity.

RocketStor 6414VS Cost-Efficient RAID 0/5 Storage Solution; ideal for high-capacity SATA Hard Drives

The majority of today’s PC platforms benefit from efficient, high-performance processors and abundant cost-effective memory. HighPoint Value RAID solutions were designed to take full advantage of these hardware environments in order to deliver cost-effective redundant RAID storage protection for a variety of applications.



Storage Availability & Accessibility: The RocketStor 6414VS integrates industry proven RAID technology to deliver the industry’s most affordable RAID 5 storage solutions.

RAID 5 – RAID 5 single parity redundancy protection: the array can still be accessed, utilized and rebuilt when one drive failure occurs.

Open-Box Storage Solution: The RocketStor 6414VS features an “open-box” approach to storage, which grants customers the freedom to use their choice of SATA drive from all major drive brands including HGST, Seagate, Toshiba and WDC. Customers can start with as little as a single drive, and add drives as needed to meet the evolving performance or capacity requirements of the storage application. The four removable hot-swap bays support any 2.5” or 3.5” SATA Hard Drive, and up to 32TB of total storage capacity. Enterprise /NAS class drives are recommended for the RocketStor 6414VS; customers can tailor storage configurations to meet each application’s capacity and budget requirements.





Intelligent Storage Management Solution: The RocketStor 6414VS includes a user-friendly web-based management interface available for Windows, and Mac OSX operating systems. Novices and experts alike, can quickly and easily configure, monitor, maintain and troubleshoot RAID configurations and individual storage devices, all from a single, unified software suite. Advanced Management Features allow customers to configure Email notification to inform one or more users of changing storage conditions while outside of the work environment, and manage storage remotely via a local network connection.

Port Type	SFF-8088 (Q-SATA)
Number of Ports	1x SFF-8088 (Q-SATA)
Optional Battery Backup Module (HPTBBU-05)	N/A
Bus Interface	PCIe 2.0 x4
RAID Level	0, 1, 5, 10 and JBOD
Operating System	Window Server 2008 and Window 7 and later
	Linux: RedHat Enterprise, Open SuSE, Fedora Core, Debian, Ubuntu
	FreeBSD
	Driver embedded into FreeBSD 9.0 and later
	Mac OS X 10.6 and later
	Driver embedded into Mac OS X 10.10 and later
Max. Capacity	Up to 32 TB
Number Of drives	Up to 4
Drive Interface	SATA
Drive Form Factor	2.5", 3.5"
Material	Brushed aluminum housing
Enclosure Dimension	8.43" (H) x 5.28" (W) x 8.66" (D)
Enclosure Weight	9.90 lbs.
Warranty	3 Year
Advanced RAID Features	Storage Health Inspector
	Redundant RAID Configurations
	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
	Disk Format compatible: 512, 512e
	Larger than 2 TB Drive and RAID Array 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
	1x 4-Port SAS 6Gb/s Value RAID PCIe 2.0 x4 Host Adapter
	1x Low-Profile Bracket
	4x Drive Trays
	1x UL Power Cord
	16x 3.5" HDD mounting screws
	16x 2.5" SSD mounting screws
	1x Quick Installation Guide
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, 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>
	<p>EXT-MS-1MMS - The Ext-MS-1MMS is a high-speed cable that supports a data bandwidth up to 4x 6Gb/s between the RocketStor 6414VS RAID controller installed in the host system, and the 8-Bay Enclosure via SFF-8088 ports. Each cable can connect up to 4x Hard Drives or SSDs.</p> <p>Suggested Uses:</p> <ol style="list-style-type: none">1) Spare cable2) Replacement
	<p>RocketStor 6414S - The RocketStor 6414S is a 4-Bay JBOD enclosure designed for use with the RocketStor 6414VS to house up to 4x 2.5" or 3.5" Hard Drives or SSDs.</p> <p>Suggested Uses:</p> <ol style="list-style-type: none">1) Replacement2) Additional Storage or Back up Unit

HighPoint Headquarters
Phone 1-408-942-5800
Fax 1-408-942-5801
E-mail sales@highpoint-tech.com
Website www.highpoint-tech.com
Address 1161 Cadillac Ct. Milpitas
CA, 95035

HighPoint Taiwan
Phone + 886-2-2218-3435
Fax + 886-2-2218-3436
E-mail sales@highpoint-tech.com
Website www.highpoint-tech.com
Address SF., No.3, Swei Lane, Jhongjheng
Rd., Sindian District, New Taipei City
23148, Taiwan (R.O .C .)

HighPoint China
Phone + 86-10-6213-0920
Fax + 86-10-6897-5074
E-mail sales@highpoint-tech.com
Website www.highpoint-tech.cn
Address 4th Floor Kehaifulin Building,
NO. 12 Zhong Guan Cun South
Rd, Aidian District Beijing
China 100081