



RocketStor 6424TS / 6422TS

Turbo RAID Class 16 & 8-Bay Rackmount Enclosures

Uncompromised Reliability! High-Performance RAID Storage with Built-In Redundant Enclosure Modules

The RocketStor 6424TS and 6422TS are professional-grade, high-performance RAID solutions designed for Mac and PC Platforms, and are ideal for applications that require reliable, high-performance RAID storage.

The RocketStor 6424TS and 6422TS are powered by Intelligent Enclosure Management features, a robust modular rackmount enclosure with redundant components for superior reliability, a comprehensive user friendly RAID Management Interface, and industry leading Turbo RAID technology.

Robust Design and Modular, Redundant Components Deliver Uncompromised Reliability

The RocketStor 6424TS and 6422TS solutions deliver uncompromised reliability and data protection for high-density storage applications. The robust rackmount enclosure was designed specifically to protect and maintain large Redundant RAID 5 configurations in the most high-stress working environments, and ensure data remains online even in the case of hardware failure.

Efficient, ultra-quiet cooling fans and front to rear ventilation work in tandem to keep ambient temperatures in check and ensure storage devices operate in consistently cool, controlled conditions.

The IPC-Grade redundant power supplies and cooling apparatus are modular in design - this allows customers to easily remove and replace failed or faulty components and minimize downtime for the entire storage environment.

Intelligent Enclosure Management

RocketStor Turbo RAID Class Rackmount enclosures were designed for professional and business storage applications. LED's and configurable audible alarms are provided to quickly notify the administrator in the case of a component failure or environmental warning such as power loss or overheating. Each of the removable-hot swap trays provides power and activity LED's which allow administrators to quickly assess the availability of the hard drives.

User-Friendly Management Suite

The user friendly RAID Storage Management Suite is available for all major operating systems and includes BIOS-level management, a Web-based RAID-interface, and optional of CLI packages for Linux and FreeBSD platforms. The intuitive Web-based interface, known simply as the "WebGUI", works with any modern browser, and allows administrators of any skill level to quickly and easily monitor, maintain, and configure RAID arrays and individual storage devices.

Complete Turnkey RAID Storage Solution

RocketStor Turbo RAID Class Rackmount enclosures are complete turnkey solutions – just add drives and you are ready to go. Each retail kit includes an enterprise-grade external rackmount chassis, PCIe 2.0 6Gb/s SAS or SATA RAID HBA, and installation kit with all necessary cabling, power supply and cooling apparatus.

Feature Highlights

- Turbo Class, High-Performance, High-Capacity RAID Storage Solutions
- Supports RAID 0, 1, 5, 6, 10, 50 & JBOD
- Robust 2U & 3U 8-16-Bay Rackmount enclosures with Redundant Modules for Superior Reliability
- Supports Up to 128 TB of Storage
- Intelligent Enclosure Management
- Enables Storage Capacity Expansion and Changing RAID protection modes on-the-fly for both PC and Mac
- Configurable RAID Rebuilding Performance Priority
- User Friendly Storage Management Suite
- Complete Turnkey RAID Solutions



Feature Specifications	RocketStor 6424TS	RocketStor 6422TS
Host Port	4x Mini-SAS	2x Mini-SAS
RAID Controller /Bus Interface	RocketRAID 2744 / PCIe 2.0 x16	RocketRAID 2722 / PCIe 2.0 x8
RAID Level	0, 1, 5, 10, 50, JBOD	0, 1, 5, 6, 10, 50, JBOD Note: RAID 6 is not applicable to Mac OS X
Max. Capacity	Up to 128 TB	Up to 64 TB
Number Of drives	Up to 16	Up to 8
Drive Interface	SAS, SATA	
Drive Form Factor	3.5"	
Chassis Material	Heavy-duty cold-rolled steel housing	
Dimension	18" (D) x 19" (W) x 5.16" (H)	20" (D) x 19" (W) x 3.5" (H)
Weight	47.50 lbs.	36.85 lbs.
UPC	643653642410	643653642229
Warranty	1 Year	
Advanced RAID Features	Flash ROM for Upgradeable Firmware	
	Storage Health Inspector	
	Redundant RAID Configurations	
	BIOS PnP (plug & play) and BBS (BIOS boot specification) support. Note: Does not apply to Mac OS X.	
	Bootable RAID Array	
	Multiple RAID Partitions supported	
	Multiple RAID Adapters 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, 4Kn	
	Larger than 2 TB Drive and RAID Array support	
Spin down Massive Arrays of Idle Disks support		
Native Command Queuing		
Staggered Drive Spin Up		
Write Back and Write Through		
Storage Monitoring and Management Suite		
RAID Management Suites:	RAID Management Suites, BIOS/Firmware configuration tool, Browser-Based management tool, CLI (Command Line Interface) - scriptable configuration tool, API package	
SMTP	Email Alert notification	
Cooling Fan:	Four 60x60x25 mm	Two 60x60x25 mm
Power Supply	Redundant 400 W 100-240 V AC, 50/60 Hz universal	
LED Display for Each Tray	White - Power-On Indicator / Blue -Busy (HDD Access) Indicator	
LED Display For Enclosure	POWER on LED (white) / FAN (Normal – green; Fail – red) / TEMP (Normal – green; over 55°C – red)	
Operating System Support		
Windows	Windows 2008 and Windows 7 & later	
Linux	RedHat Enterprise, Open SuSE, Fedora Core, Debian, Ubuntu	
FreeBSD	9.3 and Later	
Mac OS X	OS X 10.6 and later	
Driver embedded	OS X 10.10 (Note: Only applies to the RocketStor 6422TS)	
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)	
Certification	CE, FCC, RoHS	
Kit Contents	1x Enclosure 1x RocketRAID 2744 16x HDD Tray 4x Mini SAS Cable 1x Power Cord 1x Manual CD-ROM 64x Hard Disk Drive mounting screw 2x Key for HDD tray	1x Rackmount Enclosure 1x RocketRAID 2722 8x HDD Tray 2x Mini SAS Cable 1x Power Cord 1x Manual CD-ROM 32x Hard Disk Drive mounting screw 2x Key for HDD tray

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