



RocketStor 643xTS

12Gb/s SAS / 6Gb/s SAS/SATA 4&8 Bay RAID Storage Enclosures

Low Cost, High Capacity & Easy to Use

The RocketStor 6430TS series are HighPoint's most advanced external SAS/SATA RAID Storage Solutions. The robust, compact and portable 4 and 8-bay tower enclosures are capable of supporting up to eight 2.5"/3.5" 12Gb/s SAS or 6Gb/s SAS/SATA hard drives in one or more RAID configurations, and up to 160TB of storage capacity.

Newly redesigned and portable!

The RocketStor 6430TS series enclosures feature a brand-new chassis architecture making for a lighter, more rugged and durable enclosure that also helps to promote better heat dissipation. In addition, the enclosure now features a sturdy frame mounted carrying handle for easy portability.

Freedom of Choice

Taking an "open box" approach to storage, customers are free to use their choice of SAS or SATA drive from any of the major drive brands. The RocketStor 6430TS comes equipped with up to eight hot-swappable drive trays capable of supporting 2.5" and 3.5" 12 Gb/s SAS and 6Gb/s SAS/SATA drives of any capacity.

Integrated LCD Panel for Temperature Monitoring and Fan Control

Each RocketStor 6430TS features a built in LCD panel that displays the enclosure's environmental conditions in real-time. By default, the enclosure's cooling fans will run in "Smart Mode" meaning they will adjust themselves on the fly to keep the systems temperature in check. Users that want a more hands-on approach can utilize the LCD panel to quickly assess the temperature of the storage configuration, then specify the fan control mode and manually adjust the fan speed to ensure the drives stay healthy and run optimally.

The enclosure also features a built-in buzzer alarm that can be set to activate in case the temperature reaches a certain threshold or other drive related issues occur.

Versatile RAID options

The new 12 Gb RocketStor 6434TS/RS648TS utilizes SFF-8644 MiniSAS ports to directly support up to 8 SAS/SATA HDD or SSDs in one or more RAID Storage configurations. Working in tandem with our industry proven RAID controllers, the RocketStor 6430TS series are capable of supporting a multitude of different RAID levels including RAID 0, 1, 5, 6, 10, 50, JBOD, and single drive configurations.

Easy to use RAID Management Suite

In addition to being supported on Windows, Mac OS, and Linux, the RocketStor 6430TS series utilizes the latest version of our web based and command-line management suite. This program allows novices and experts to quickly and easily configure different RAID levels that best suit their intended application.

SHI (Storage Health Inspector)

Allows administrators to instantly check the operating status of storage devices in real-time. SHI utilizes S.M.A.R.T. technology to log and report the physical characteristics of each hard drive or SSD, such as temperature, voltage and disk related warnings or errors.

1-Click Self Diagnostic Solution

Users no longer have to manually assemble a collection of screenshots, logs and status reports when submitting support inquiries. 1-click enables the interface to gather all necessary hardware, software and storage configuration data and compile it into a single file, which can be transmitted directly to our FAE Team via our Online Support Portal.

Key Benefits

- 12G and 6G SAS/SATA
- 8x Hot-swappable 2.5"/3.5" Drive Bays
- RAID 0, 1, 5, 6, 10, 50 & JBOD
- New Built in Carry Handle for Easy Portability
- Adjustable Fan Control
- Integrated LED Panel for Real-Time Enclosure Management
- User Friendly RAID Management Suite
- Windows, Mac, and Linux Support

Suggested Applications





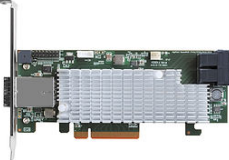
- Mac, Windows, and Linux based Media Workstations
- Large scale data storage & backup

Online Array Roaming

RocketStor 6430TS enclosures support Online Array Roaming, which simplifies storage upgrade and replacement procedures. Users can move the enclosure to other HighPoint series RAID controllers without having to start from scratch or recover an array. RocketStor 6430TS enclosures are also capable of recognizing arrays created with other HighPoint series SAS/SATA RAID controllers, even if the drives are moved to different bays/ports.



Feature Specifications	RocketStor 6434TS	RocketStor 6438TS
Port Type	SFF-8644 MiniSAS	
Number of Ports	1x SFF-8644 MiniSAS	2x SFF-8644 MiniSAS
Bus Interface	PCIe 3.0 x8	
RAID Support	0, 1, 5, 6, 10, 50 and JBOD / Non-RAID Mode	
Capacity	Unlimited	
Number of Devices	Up to 4	Up to 8
Drive Interface	12Gb/s SAS & 6Gb/s SAS/SATA	
Drive Form Factor	3.5" & 2.5" HDD or SSD	
Power Supply	250W Internal Power Supply AC Input: 100–240V, 50-60Hz	
Cooling	80x80x25mm, Single Fan	80x80x25mm, Dual Fan
Material	Cold-Rolled strengthened steel plate inner frame + AL6061 grade aluminum outer frame.	
Warranty	1 Year	
System Requirements		
Windows	Windows 7 and later Windows Server 2008 and later Microsoft Hyper-V	
Mac	Linux kernel 3.10 and later (Redhat/Ubuntu/Debian/Fedora) Support Linux Driver auto Compile	
Linux	Mac OS X 10.09 ~macOS Monterey 12 Driver embedded into macOS 10.12.x and later (only Intel platform)	
Monitoring and Management Suite		
Browser-Based management tool	Yes	
CLI(Command Line Interface- scriptable configuration tool)	Yes	
API package	Yes	
Drive LED Indicator: Power, Present, Active	Yes	
SMTP Email Alert Notification	Yes	
Alarm Buzzer (mutable)	Yes	
Advanced RAID Features		
Storage Health Inspector	Yes	
Redundant RAID Configurations	Yes	
Multiple RAID Partitions supported	Yes	
Online Array Roaming	Yes	
Online RAID Level Migration (ORLM)	Yes (macOS is not supported)	
Online Capacity Expansion (OCE)	Yes (macOS is not supported)	
RAID Initialization Background/Foreground/Quick	Yes	
Global Hot Spare Disk support	Yes	
Automatic and configurable RAID Rebuilding Priority	Yes	
Disk Format compatible: 512, 512e, 4Kn	Yes	
Larger than 2 TB Drive and RAID Array support	Yes	
Native Command Queuing	Yes	
Write Back and Write Through	Yes	
Compliance Certification	CE, FCC, RoHS, REACH, WEEE	
Operating Environment		
Temperature	(operating) 5°C – 45°C (non-operating) -40°C – 65°C	

Product Model	RocketStor 6434TS	RocketStor 6438TS
Product Image		
Enclosure Dimensions	5.80" W x 9.12" H x 10.24" D	5.77" W x 13.83" H x 10.24" D
Enclosure Weight	13.4 lbs	17.0 lbs
Kit Contents	1x Quick Installation Guide 1x 4-bay Tower Enclosure 4x Drive Trays 20x 3.5" HDD mounting screws 20x 2.5" SSD mounting screws 1x UL Power Cord 1x 16-Port SAS 12Gb/s PCIe 3.0 x8 Adapter 1x SFF-8644(Mini-SAS Cable)	1x Quick Installation Guide 1x 8-bay Tower Enclosure 8x Drive Trays 40x 3.5" HDD mounting screws 40x 2.5" SSD mounting screws 1x UL Power Cord 1x 16-Port SAS 12Gb/s PCIe 3.0 x8 Adapter 2x SFF-8644(Mini-SAS Cable)
Optional Accessories		
 <p>8644-HSAS-110</p>	SFF-8644 to SFF-8644 cable Length: 1M	
 <p>RS6661A</p>	Thunderbolt™ 3 to PCIe 3.0 Expansion Chassis	
 <p>RocketRAID 3742A</p>	16-Port PCIe 3.0 x8 12Gb/s SAS RAID Controller (8x Internal & 8x External Channels)	

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