

RocketStor RAID Tower Enclosure Solutions

Industry's Most Versatile DAS and Industry Proven RAID Enclosure Solutions

HighPoint manufactures a wide range of professional-grade RAID Enclosure Storage solutions for Q-SATA, Thunderbolt™, and Mini-SAS connectivity. These robust, high-quality RAID solutions can directly support up to 64TB of SAS or SATA storage, and are powered by our industry proven Hardware, Turbo and Value RAID architecture. HighPoint RAID Enclosure Solutions are available for nearly any DAS application, platform and budget. Each RocketStor RAID Solution includes an intuitive user-friendly web-based management interface available for Windows, Mac OSX, Linux, and FreeBSD 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.

RocketStor RAID Solutions are available in 3 distinct RAID Solution Classes:

Hardware Class | **Turbo Class** | **Value Class**

Hardware Class

RocketStor Hardware Class RAID Solutions are the industry's most affordable Hardware RAID Storage Solutions, and are powered by our industry-proven Hardware RAID 5/6 Technology. RocketStor Hardware RAID Solutions were designed for Professional Business and Media Applications that demand superior performance and uncompromised data availability.



Superior Performance: The dedicated Hardware RAID Engine and onboard cache allow the RocketStor to work independently to avoid compromising RAID performance due to the lack of system resources. DV Mode Technology intelligently manages the flow of large data blocks and write-back caching to minimize latency & ensure consistent, sustained high-performance transfers for media-rich applications.

Thunderbolt™ 2 Connectivity Solution: Utilizes a mini DisplayPort to deliver Thunderbolt™ 2 high-speed transfer bandwidth from the host system to the RocketStor RAID Enclosure. The second Thunderbolt™ 2 port allows users to daisy chain 6x additional RocketStor Thunderbolt devices. Each RocketStor RAID Enclosure fully optimizes RAID performance for up to 8 SAS and SATA 6Gb/s SSD or hard drives.

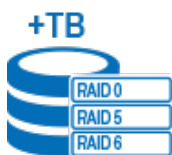


Mini-SAS

Mini-SAS Connectivity Solution: Utilizes SFF-8088 connectors to deliver 4x dedicated SAS 6Gb/s data transfer bandwidth from the host system to the RocketStor RAID Enclosure. Each enclosure fully optimizes RAID performance for up to 8 SAS and SATA 6Gb/s SSD or hard drives. Mini-SAS features a robust locking mechanism to ensure stable and reliable storage connectivity.

Uncompromised Storage Availability and Accessibility: RocketStor Hardware RAID Solutions feature 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.





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.

Model	RocketStor 6314A	RocketStor 6414AS	RocketStor 6318A	RocketStor 6418AS	RocketStor 6324AS
Product Image					
Connectivity	Thunderbolt™ 2	SFF-8088 (Mini-SAS)	Thunderbolt™ 2	SFF-8088 (Mini-SAS)	Thunderbolt™ 2 / SFF-8088(Mini-SAS)
RAID Level	0, 1, 5, 6, 10, JBOD	0, 1, 5, 6, 10, JBOD	0, 1, 5, 6, 10, 50, JBOD	0, 1, 5, 6, 10, 50, JBOD	0, 1, 5, 6, 10, JBOD
# Of Drive Bays	4	4	8	8	4
Max. Storage capacity	32TB	32TB	64TB	64TB	32TB
Drive Interface	SAS/SATA	SAS/SATA	SAS/SATA	SAS/SATA	SAS/SATA

Turbo Class

RocketStor Turbo RAID Tower Enclosure solutions is powered by our industry proven RAID stack by leveraging the powerful system resources and robust 2nd generation PCIe x8 host interface of today’s modern computing platforms. Turbo class delivers the industry’s best Cost-Performance RAID solutions exceeding 3,000MB/s and the industry’s most cost-efficient RAID-6 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 8 SATA 6Gb/s SSD or hard drives. Q-SATA features a robust locking mechanism to ensure stable and reliable storage connectivity.

Industry’s Most Affordable RAID 6 Storage Solution: The majority of today’s PC platforms benefit from efficient, high-performance processors and abundant cost-effective memory. RocketStor Turbo RAID solutions were designed to intelligently utilize these surplus system resources to accelerate or maximize the transfer performance potential of RAID storage applications. RocketStor Turbo Class offer exceptional RAID level support from RAID 0, 1, 5, 6, 10, 50 & JBOD, robust redundant RAID 5 and 6 protection shields storage configurations from 1 or 2 disk failures without compromising data accessibility.





Efficient RAID Recovery Solution: RocketStor Turbo RAID solutions save and manage redundant RAID Configurations which can be used to recover disabled arrays in the case of a power outage or severe hardware failure.

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.



Model	RocketStor 6418TS	RocketStor 6414TS
Product Image		
Connectivity	SFF-8088 (Q-SATA)	SFF-8088(Q-SATA)
RAID Level	0, 1, 5, 6, 10, 50, JBOD	0, 1, 5, 6, 10, JBOD
# Of Drive Bays	8	4
Max. Storage capacity	64TB	32TB
Drive Interface	SATA	SATA

Value Class


The majority of today’s PC platforms benefit from efficient, high-performance processors and abundant cost-effective memory. HighPoint Value Class RAID solutions are powered by our industry proven RAID stack and leverage 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 2,400MB/s, and fully optimizes RAID performance for up to 4 SATA 6Gb/s hard drives. Q-SATA features a robust locking mechanism to ensure stable and reliable storage connectivity.

Cost-Efficient RAID 5 Storage Solutions: 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.



Model	RocketStor 6414VS
Product Image	
Connectivity	SFF-8088 (Q-SATA)
RAID Level	0, 1, 5, 10, JBOD
# Of Drive Bays	4
Max. Storage capacity	32TB
Drive Interface	SATA

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