

Rocketstor 6618A

8-Bay Thunderbolt™ 3 40Gb/s Hardware RAID Storage Enclosure

Uncompromised Hardware RAID Solutions for 4K Workflows: Maximum Performance, Maximum Protection

- 2x Thunderbolt™ USB-C Ports featuring 40Gb/s Speed bandwidth
- Performance up to 2,700MB/s
 - SSD RAID 0 Array Up to 2,700MB/s
 - SSD RAID 5 Array up to 2,700MB/s
 - HDD RAID 0 Array Up to 2,000MB/s
 - HDD RAID 5 Array up to 1,700MB/s
- Integrated SAS/SATA Hardware RAID Technology
- Advanced Streaming I/O sustained high-performance data transfer
- Storage Capacity up to 8x 10TB or Larger Spindle HDD
- High-Speed Storage up to 8x SSD

High-Speed, Big Data or All-In-One: Your Choice!

Experience the Speed and Flexibility of RocketStor's Open Storage Concept: Each RocketStor enclosure was designed to accommodate a multitude of storage configurations and applications; SSD's for Maximum Performance, HDD's for Mass Storage, or a combination of both for tasks that call for high-speed workspace and archiving capability.

The RocketStor 6618A is significant more versatile than conventional solutions which rely on pre-packaged storage comprised solely of drives of the same speed and capacity. Customers are free mix and match disks of different capacities and speed levels to meet the needs of any application.

Equipped with the latest Thunderbolt™ 3 USB-C technology, the RocketStor 6618A can deliver 40Gbps transfer rates. Projects utilizing 4K DPX 16 bit footage require approximately 1,790MB/s of transfer performance; the RocketStor 6618A is capable of supporting full 4K uncompressed video production, In addition, if the source is ProRes 444, the RocketStor 6618A can support over 5 individual streams!



SSD Array performance up to 2700MB/s; supports uncompressed 4K video editing.



HDD Array capacity up 80 TB Store up to 20 hours 4K DPX footage.



Consolidate multiple Arrays for different project in one RAID Enclosure.

Comprehensive RAID Modes Meet all of Your Applications Needs

The RocketStor 6618A was designed for Professional Media Applications that demand consistent high speed transfers, flexibility and uncompromised reliability.

RAID Level	Number of Disks	Capacity	Performance	Redundancy Protection
0	At least 2 to 8	100%		
1	At least 2	50%		
5	At least 3 to 8	67% ~ 87%		
6	At least 4 to 8	50% ~ 75%		
50	Requires 6 or 8	50% ~ 87%		

Simplify Your Workplace with Performance

The RocketStor 6618A makes this possible; Simultaneously Edit, Playback and Archive using a single, universal storage platform!

Enjoy fast data transfer speeds up to 2,700MB/s and simultaneously support up to 2x 4K displays. The RocketStor 6618A is the Ultimate Solution for highly productive, space efficient work environments. Daisy-chain capability enables the RocketStor 6618A to support 6 Thunderbolt™ devices from a single USB-C port!



Safeguard Your Storage Investments

RocketStor RAID solutions seamlessly integrates the RocketStor 6618A's LED features, audible alarm and intelligent cooling apparatus to ensure your storage investments stay healthy and accessible.

Intuitive LED's



- **Activity** - Blinking blue
- **Power On** - Solid Blue
- **Fail** - Solid red
- **Identify** - Blinking Red

Intelligent Fan Control



Automatically adjusts fans speeds to maintain consistent ambient temperatures while keeping unwanted noise to a minimum.

Audible Alarms



Configure to notify in case of overheating or device failure.

Configurable Event Notification



Get RAID Storage Health Status updates anytime, anywhere, via Email.

Uncompromised RAID Architecture



Storage Availability and Accessibility: Hardware 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 and keeps storage ready & able. HighPoint DV Mode for Streaming Performance



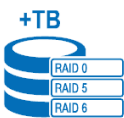
DV Mode Technology intelligently manages the flow of large data blocks and write-back caching to minimize latency and ensure consistent, sustained high-performance transfers for media-rich applications.



Robust RAID Protection: The built-in NVRAM 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.

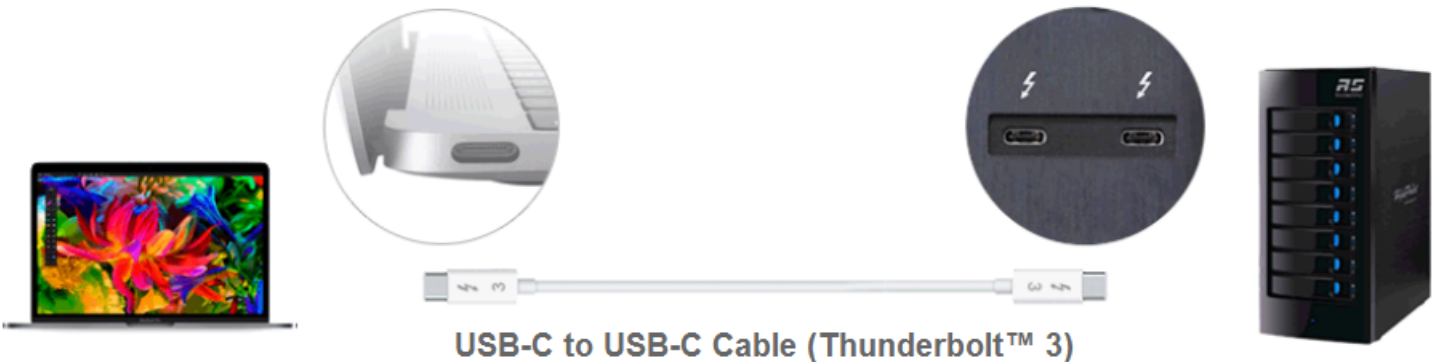


Open-Box Storage Solution: Features an “open-box” approach to storage, which grants customers the freedom to use their choice of SAS or SATA drive from all major drive brands. Customers can add drives as needed to meet the evolving performance or capacity requirements of the storage application, performance, and budget requirements.



Storage Expansion Ready: Daisy-Chain capability allows customers to link as many as 6 independent RocketStor 6618A units using a single Thunderbolt™ 3 host port. The 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

Embrace Old and New Thunderbolt™ Systems



USB-C to USB-C Cable (Thunderbolt™ 3)

No Restrictions: Connect to any existing Thunderbolt™ or Thunderbolt™ 2 Host System




Thunderbolt™ Cable

USB-C to Thunderbolt™ Adapter

Feature Specifications	
Port Type	Thunderbolt™ 3
Onboard Processor	RAID-On-Chip Onboard
Onboard Cache Memory	512MB DDR 3 Cache Memory with ECC Protection
Number of Ports	2x Thunderbolt™ 3 Ports
RAID Level	0, 1, 5, 6, 10, 50 and JBOD
System Requirements	Computer with a USB-C Port (Thunderbolt™ 3)
	Windows Server 2008 / Windows 8 & later
Max. Capacity	Unlimited (check compatibility lists for recommended HDD's & SSD's)
Number Of drives	Up to 8
Drive Interface	SAS, SATA
Drive Form Factor	3.5" & 2.5"
Material	Brushed aluminum housing
Dimension	13.00' (H) x 5.67' (W) x 10.12' (D)
Weight	12.9 lbs.
Warranty	3 Years
Storage Monitoring and Management Suite	
RAID Management Suites:	Browser-Based management tool,
LED Indicator and button	HDD Power, Present, Active, Fail, Rebuilding and Identify
SMTP Email Alert Notification	Yes
Power Supply	AC INPUT: 100-240V ~ 5A 50/60Hz; DC OUTPUT: 250W
Internal Fan	80x80x25mm, Dual Fan
Alarm Buzzer	Buzzer beeping when failed drive or array occurs

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
Auto resume incomplete rebuilding after power on or reboot system
Disk media scan and repair
Automatic remap and fix drive bad block for RAID array
Redundant RAID Levels (RAID 1, 5, 6, 10, 50)
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

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)
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 replacement Drive Tray designed specifically for HighPoint RocketStor Tower RAID Enclosures.</p>

Kit Contents
1x 8-Bay Tower RAID Enclosure
8x Drive Trays
1x Thunderbolt™ 3 40Gb/s Cable (2 meters)
1x UL Power Cord
32x 3.5" HDD mounting screws
32x 2.5" SSD mounting screws
1x Quick Installation Guide

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