

## **Unleash Unmatched Performance and Flexibility with HighPoint's RocketStor 654xAW: The Future of External NVMe RAID Storage**

October 2024, Fremont CA - HighPoint's RocketStor 654x series NVMe RAID Enclosures have established a new industry standard for external storage solutions. The rugged, and portable external form factor stands less than 5 inches tall, yet is able to support up to 8 2.5" NVMe SSDs, nearly ½ Petabyte of storage capacity, and deliver 28GB/s of transfer performance! Dedicated host-to-device PCIe Gen4 x16 connectivity and hot-swap capability. Integrated RAID 0, 1 and 10 support enables administrators to easily tune NVMe configurations to maximize speed, reliability or storage space. No other external NVMe solution can deliver this level of storage performance, capacity and flexibility in such a compact package.

### **Performance-Driven Hardware Architecture**

The RocketStor 654x series industry leading 48-Lane PCIe Switch Architecture and robust CDFP 400Gbps connectivity deliver what no other external NVMe solution can – guaranteed host to device PCIe 4.0 x16 connectivity, and an uncompromised 28GB/s of transfer bandwidth. Dedicated Switch ICs, integrated into both the host and device side of the solution, enhance responsiveness, minimize latency and maximize the performance potential of each hosted SSD. The unique hardware package is a perfect solution for performance hungry, data-drive applications such as AI training, high-speed data ingestion workflows, M&E post production, and critical asset backup and recovery.

### **Industry's most compact 1/2 Petabyte External Storage Solution**

The RocketStor 654x series robust, industrial-grade chassis was designed for professional applications that require a compact, flexible storage solution capable of maximizing the performance potential of 2.5" NVMe media. Despite the small hardware footprint, RocketStor 654x enclosures are equipped with up to 8 removable 2.5" drive bays, each of which can support today's densest 61.44TB enterprise and datacenter class SSDs.

***Enhances the Efficiency and Reliability of the Host Computer:*** The external form factor, integrated power supply, and powerful cooling system enables NVMe media to be completely isolated from the host hardware platform. Isolates the NVMe media from the host platform. Not only does this free up interior space for the host server or workstation, it can improve the reliability and efficiency by reducing power consumption and ensuring that waste heat generated by storage media never enters the computing environment.

***Unmatched Scalability:*** Integrated NVMe Hot-Swap capability simplifies storage expansion, upgrade and service workflows by enabling administrators to add, remove or replace U.2/U.3 media on the fly, minimizing the risk of downtime by removing the need to reboot or power down the host platform.

### **Ready for Performance-Hungry, Data-Intensive Applications**

Whether handling read-intensive, write-intensive, or mixed-mode workloads, RocketStor 654x series RAID enclosures are up to the task. The ability to host up to 8 Data Center and Enterprise-class U.2/U.3 NVMe SSDs, deliver dedicated host-to-device PCIe Gen4 x16 transfer speed, and provide flexible RAID technology in a robust, ultra-compact form factor is perfect for demanding industries such as video surveillance, AI/ML, media post production and content creation, and enterprise backup solutions.

## Shipping & Availability

[RocketStor 654x series NVMe RAID enclosures](#) are now available worldwide direct from the HighPoint E-Store and our approved Global Resale and Distribution partners. [Where to Buy](#)

RocketStor 6542AW 8-Bay PCIe 4.0 x16 External NVMe RAID Enclosure MSRP USD\$: \$2,299.00

RocketStor 6541AW 4-Bay PCIe 4.0 External NVMe RAID Enclosure MSRP USD\$: TBA

## About HighPoint Technologies, Inc.

HighPoint Technologies stands at the forefront of storage innovation as the industry's -premier manufacturer of high-performance, high-density NVMe Switch and RAID AICs, Adapters and External Enclosures for off-the-shelf x86 AMD and Intel platforms. With a rich history spanning nearly three decades, our dedication to delivering innovative, reliable, and high-performance storage solutions has consistently set us ahead in the marketplace. HighPoint's NVMe storage solutions are powered by industry-proven PCIe Switching technology, and are designed to address the dynamic requirements of AI/ML/LLM applications, Data Centers, Edge Servers, and high-performance workstations, enabling customers to keep pace with today's rapidly evolving technology landscape.