

HighPoint Smashes Price Barrier with the Rocket 7624A — The Industry’s First Sub-\$1000 PCIe Gen 5 x16 MCIO RAID Adapter

FREMONT, CA – November 2025 – *HighPoint Technologies, Inc.*, a leading manufacturer of high-performance RAID and storage connectivity solutions, has unveiled the newest member of its flagship Rocket 7600 Series — the Rocket 7624A PCIe Gen 5 x16 to 2-MCIOx8 NVMe RAID Adapter.

Building on the Rocket 7628A proven hardware architecture, the Rocket 7624A delivers uncompromised PCIe Gen 5 x16 bandwidth and professional-grade NVMe RAID capabilities at an unprecedented sub-\$1,000 price point — making it the industry’s most Cost-Performance PCIe Gen 5 x16 NVMe RAID adapter to date.

By democratizing access to Gen 5 NVMe connectivity, the Rocket 7624A enables customers to integrate scalable, high-performance RAID storage into workstations, edge servers, and data-intensive applications that would normally be held back by budgetary limitations.

“Our mission has always been to deliver top-tier storage technology without compromise,” said May Hwang, Marketing Director at HighPoint Technologies. “With the Rocket 7624A, we’ve redefined what’s possible at the \$1,000 price point — offering true PCIe Gen 5 x16 NVMe RAID performance for professionals who require both speed and value.”

Unprecedented Performance Meets Unbeatable Value

The Rocket 7624A is engineered for professional applications that demand both extreme bandwidth and flexible scalability. The adapter’s dual MCIO (SFF-TA-1016) ports each provide a dedicated PCIe Gen 5 x8 link, delivering high-speed, hot-pluggable connectivity for up to four U.2/U.3 or E3.S NVMe SSDs.

Feature	Rocket 7624A (NEW)	Rocket 7628A
Bus Interface	PCIe 5.0 x16	PCIe 5.0 x16
External Ports	2 × MCIO (SFF-1016) x8	4 × MCIO (SFF-1016) x8
Device Channels	4 × NVMe devices	8 × NVMe devices
Max Bandwidth	Up to 32 GB/s (theoretical)	Up to 64 GB/s (theoretical)
Target Price	\$999	\$1,999

Engineered for Professional Environments

Dedicated PCIe Gen 5 x16 Host Bandwidth

The Rocket 7624A's PCIe Switching architecture allocates x16 lanes of dedicated downstream bandwidth, delivering up to 32 GB/s aggregate throughput and ensuring uncompromised Gen 5 performance for all hosted NVMe devices.

Dual MCIO x8 Ports (SFF-TA-1016)

Each of the dual MCIO supports up to four U.2/U.3 or E3.S drives while providing x8 lanes of dedicated PCIe Gen 5 x8 bandwidth and hot-swap support for UBM backplanes.

Proven NVMe RAID Technology

HighPoint's proven NVMe RAID technology enables the Rocket 7624A to support Single-Disk, RAID 0, RAID 1, and RAID 10 configurations. UEFI-HII enables support for bootable RAID arrays and enables administrators to prep storage configurations outside of an OS.

Comprehensive Storage Management Suite

HighPoint's comprehensive Pro/RAID Management suite consists of the WebGUI (an intuitive web-based graphical interface, the CLI (and advanced command line interface), and the UEFI-HII tool (which provides bootable RAID capability and pre-OS RAID configuration). Integrated Out-of-Band (BMC/MCTP over PCIe) management support is ideal for enterprise and data-center environments.

Advanced, Intelligent Cooling & Hardware Sensor Monitoring Solution

The Rocket 7624A's advanced Cooling Solution combines a full-length aluminum heat exchanger with a copper piping system to efficiently dissipate heat from the switch IC and controller componentry. Integrated hardware sensors and an innovative, real-time temperature logging and drive health analytics suite enables administrators to keep close tabs on the adapter and drive media, ensuring optimal performance and long-term reliability.

Applications & Use Cases

The Rocket 7624A delivers up to 32GB/s of transfer performance and nearly half a petabyte of Gen 5 Storage, providing an immediate, cost-effective upgrade path for a wide range of professional applications, including Media & Post-Production, High-Speed Data Acquisition, AI/ML Workloads and Enterprise Edge Computing.

Availability and Pricing

The HighPoint Rocket 7624A PCIe Gen 5 x16 to 2-MC10x8 NVMe RAID Adapter is available now through HighPoint's global network of authorized distributors and retail partners at a target MSRP of USD \$999.

<https://www.highpoint-tech.com/product-page/rocket-7624a>

About HighPoint Technologies

HighPoint Technologies, Inc. is a global leader in high-performance storage and connectivity solutions. Backed by 30 years of industry experience, we specialize in pioneering PCIe connectivity and storage expansion technologies, including NVMe, SAS/SATA, USB, and Thunderbolt. Our unwavering commitment to innovation has enabled us to deliver reliable, high-density solutions that meet the evolving demands of today's marketplace.

Our Expertise & Solutions Powered by proven PCIe switching technology, our product portfolio includes scalable NVMe Switch and RAID AICs & Adapters, PCIe expansion platforms, and external storage and GPU connectivity solutions. We leverage decades of combined software and hardware expertise to engineer solutions that deliver exceptional performance and reliability for mission-critical applications.

Target Markets & Applications Our technology is employed by enterprises and professionals across the globe to address today's most demanding applications. HighPoint solutions are the foundation for data-intensive workloads in AI/ML/LLM, data centers, edge servers, and high-performance workstations, supporting both x86 (AMD/Intel) and ARM platforms. For more information, please visit HighPoint Technologies.