

HighPoint Technologies is set to Unveil a Series of Industry' Firsts with the Launch of their PCIe Gen5 x16 NVMe Storage Solutions at FMS 2024

July 2024, Fremont CA – HighPoint Technologies, Inc., a leading NVMe Storage Solution provider, is poised to make waves at this year's FMS tradeshow with the unveiling of the industry's first PCIe Gen5 x16 NVMe solutions to deliver nearly 60GB/s of real-world transfer performance and up to 2 Petabytes of storage capacity from a single PCIe slot. HighPoint will be showcasing the industry's most comprehensive selection of NVMe AICs, Adapters and External Storage solutions for x86 server and workstation platforms, and will introduce our product road map for the second half of 2024 and beyond.

Live Demonstrations

HighPoint is excited to announce that we will be conducting live demonstrations of our groundbreaking PCIe Gen5 x16 NVMe storage technology throughout the show. Tailored for AI data pipeline infrastructure, the demonstration platform will illustrate how our NVMe RAID AICs, Adapters and enclosures tackle data ingestion, analysis and archiving/restoration workflows, and how each device can be managed and monitored via an intuitive, universal web-based software interface. In addition, we will be introducing our **Real-time Advanced Environmental Sensor Logging & Analysis Suite**, which enables customers to take a proactive approach to NVMe storage management by closely monitoring the hardware environment in real-time.

NVMe Solution Showcase

HighPoint's innovative PCIe Gen5 Switching Architecture enables Rocket 7600 RAID and 1600 series Switch AICs and Adapters to host 8 to 32 NVMe devices, and deliver class-leading transfer performance and reliability.

Pro-Class RAID Solutions: Proven NVMe RAID technology enables the Rocket 7600 series to support up to 4 RAID 0, 1 or 10 arrays, including bootable volumes. SafeStorage OPAL TCG Encryption Solution, Intelligent PCIe Gen5 Proactive Cooling Solution, and Real-time Advanced Environmental Sensor Logging & Analysis Suite maximize storage performance, security and reliability.

- **Rocket 7608A:** 8x 2242/2460/2280 M.2 Ports
- **Rocket 7628A:** 4x M.2 8i Ports (8x U.2/U.3 or E3.S SSDs, & up to 32 devices via backplane connectivity)

Switch Series Solutions: Natively supported by all modern operating systems, HighPoint Rocket 1600 series PCIe Gen5 x16 Switch AICs/adapters provide enterprise-class NVMe storage connectivity and performance with plug-and-play serviceability.

- **Rocket 1608A:** 8x 2242/2460/2280 M.2 Ports
- **Rocket 1628A:** 4x M.2 8i Ports (8x U.2/U.3 or E3.S SSDs, & up to 32 devices via backplane connectivity)

16x M.2 Single-Sided NVMe RAID AICs:

HighPoint will unveil the World's Densest Single-Side PCIe Gen5 & Gen4 NVMe Storage Solutions. The Full-Height, Full-Length, Dual-Width AICs directly host up to 16 M.2 SSDs using only one side of the PCB, and feature an innovative tool-less removable M.2 loading system.

- **SSD7749M2 Gen4 x16:** Directly hosts up to 16 2280 PCIe Gen4 M.2 SSDs
- **Rocket 7609A PCIe Gen5 x16:** Directly hosts up to 16x 2280 M.2 PCIe Gen5/Gen4 SSDs (Q1 2025)

DC Class E1.S NVMe RAID AIC Series:

These High-Density, Dual-Width NVMe AIC RAID storage solutions can directly host up to eight 9.5mm, and four 15mm datacenter class E1.S SSDs for PCIe Gen5 and Gen4 platforms.

- **SSD7749E Gen4 x16:** Directly hosts up to 8 E1.S SSDs (*Now shipping*)
- **Rocket 7658A Gen5 x16:** Directly hosts up to 8 E1.S SSDs (*Q1 2025*)

External NVMe RAID Enclosures & Switch Adapter Featuring CopprLink Connectivity:

HighPoint will showcase a series of revolutionary External NVMe Adapters and Enclosures powered by our dedicated PCIe x16 host-to-device architecture and industry standard CopprLink connectivity. These solutions can directly host up to 8 U.2/U.3 NVMe SSDs and nearly 2 Petabytes of portable storage capacity via a single PCIe connection.

CopprLink 8-Channel Adapter Series (*Q1 2025*)

- **Rocket 1544 Gen4 x16:** CDFP 400Gbps
- **Rocket 1634C Gen5 x16:** CopprLink 800GBps.

External 8-Bay NVMe RAID Storage Enclosures

Dedicated x16 Host to Device Connectivity:

- **RS6542A Gen4 x16 (*Q4 2024*):** CDFP 400Gbps
- **RS6642A Gen5 x16 (*Q4 2024*):** CDFP 400Gbps
- **RS6642C Gen5 x16 (*Q1 2025*):** CopprLink 800Gbps

Visit Us at Booth 1250

Join HighPoint Technologies at FMS2024 and experience the future of NVMe storage technology, first hand. HighPoint's PCIe Gen5 x16 and CopprLink NVMe AICs, Adapters and Enclosures represent a new direction for compact, high-density professional-grade server and workstation storage. Don't miss the chance to witness the next generation of NVMe storage technology in action.