

HighPoint to Unveil Rocket 7638D: The Ultimate 1-Slot Solution for AI Compute & NVMe Storage Expansion at FMS2025

Fremont, CA – July 2025 – HighPoint Technologies, Inc., a global leader in NVMe and PCIe expansion solutions, will debut the **Rocket 7638D** at **FMS2025**—a powerful new **Multi-Role PCIe Gen5 x16 Add-In Card** that consolidates **external GPU connectivity and internal NVMe storage** into a single low-profile MD2 adapter.

Purpose-built to meet the demanding needs of today's **AI/ML, data science, and compute-intensive workloads**, the Rocket 7638D can support a full-height dual or triple-slot Gen5 x16 GPU in length while simultaneously hosting up to 16 enterprise grade NVMe SSDs, all from a single PCIe slot!

- **External CDFP port** supports full-height, 2-slot/3-slot Gen5 GPUs (up to 370mm in length)
- **Dual internal MCIO ports** support up to 16 enterprise-grade NVMe SSDs via industry standard cabling

Visit HighPoint at booth 1051

Attendees can explore HighPoint's complete **Gen5 & Gen4 NVMe ecosystem**, including AICs, adapters, and compact external enclosures purpose-built to address high-performance storage intensive requirements of **Edge AI inference, High-density training nodes, HPC and media workstations**, and **space-constrained servers** across x86 and ARM platforms.

2025 Product Highlights at FMS

- [Rocket 7638D NVMe Storage and GPU Expansion Adapter](#): Consolidate compute + storage in 1-slot with eGPU + 16x NVMe SSD support
- **Rocket Series PCIe Gen5 and Gen4 NVMe [Switch](#) & [RAID](#) AICs**: Directly host up to 16 NVMe SSDs or 8 M.2 Accelerators per PCIe Slot
- **Rocket Series PCIe Gen5 & Gen4 NVMe [Switch](#) & RAID [Adapters](#)**: Scale up to 32 NVMe SSDs or 8 PCIe devices per PCIe Slot
- [RocketStor 6500 Series External NVMe Solutions](#): Up to 8x Enterprise SSDs and Nearly 1 Petabyte of external NVMe from a single PCIe slot

HighPoint's versatile Rocket series NVMe AICs and Adapters support M.2, U.2/U.3, E1.S, E3.S and ESDFF storage media via direct connectivity and custom backplane deployments. With integrated **diagnostics (LEDs, CLI, alarms)** and **firmware-level tuning tools** (lane allocation, power reset, device status), HighPoint empowers OEMs, industrial integrators, and AI infrastructure builders with seamless integration, real-time monitoring capability, and boundless scalability.

Visit HighPoint at FMS2025 to experience how we're redefining PCIe Gen5 connectivity.
Unlock the power of NVMe with smarter, faster, space-saving PCIe infrastructure.

Contact Us: GeneralSales@highpoint-tech.com

Meet with HighPoint at FMS2025 – Schedule Your Session Now!

Are you exploring scalable, high-speed storage and compute solutions for your next AI, edge, or HPC project?

HighPoint Technologies invites you to book a one-on-one meeting with our onsite **Technical Sales Team and Engineers** at **FMS2025 (Booth #1051)** from **August 5–7**.

[Schedule a Meeting](#)

[About HighPoint Technologies, Inc.](#)

HighPoint is committed to providing innovative, reliable, scalable NVMe storage PCIe expansion and eGPU solutions that meet the evolving demands of today's high-performance computing, video editing, 3D rendering, and AI workflows. Our team is dedicated to helping you achieve your technical and business goals, ensuring your systems run at peak efficiency.

We invite you to explore our PCIe Gen5 and Gen4 x16 expansion solutions and experience the difference that HighPoint makes. For more information, visit our website or contact our sales team directly.