HighPoint Launches Next-Gen External PCIe Gen5 x16 Switching Adapter with CDFP Connectivity: Ultra-Compact, Ultra-Fast, Mission-Ready

June 2025, Fremont CA - HighPoint Technologies has introduced cutting-edge External PCIe x16 Switching Adapters, purpose-built for high-speed GPU and NVMe expansion in space-constrained platforms. Designed for seamless integration with the RocketStor 8000 eGPU expansion chassis and RocketStor 6000 NVMe storage enclosures, these advanced adapters leverage a single high-density CDFP cable to deliver up to 128GT/s of PCIe Gen5 x16 bandwidth—ensuring ultra-fast transfer performance, minimized latency, and stable connectivity through a compact and reliable interface.

Mission- Ready PCIe Expansion

Powered by HighPoint's proven PCIe Gen5 x16 Switching Architecture, the external adapters deliver a full x16 lanes of bandwidth from the host to the enclosure, eliminating performance bottlenecks. Its intelligent firmware suite monitors temperature, PCIe bus speed, and enclosure health in real time, providing system administrators with instant alerts via front-facing LEDs, an audible alarm, and intuitive command-line diagnostics, while supporting firmware updates in the field.

The compact LP MD2 form factor adapter can be easily integrated into industry standard workstation, server and rackmount platforms, and is FRP compliant (field replaceable unit) to streamline service in the field.

Next-Generation External CDFP Expansion Solutions

With server-grade PCB design, integrated full-length passive aluminum cooling panels, and ultra-compact form factors, HighPoint external CDFP adapters deliver exceptional reliability and optimal thermal management without compromising space or speed. Ideal for mission-critical servers, media production, AI workflows, and industrial applications, HighPoint's revolutionary external CDFP-based solutions set a new standard for scalable, high-performance PCIe expansion.

Learn More

To learn more about HighPoint's upcoming CDPF-based external PCIe expansion solutions, please contact our Technical Sales Team.

Rocket 8000 Series eGPU Expansion Chassis
RocketStor 8531AW PCIe 4.0 x16 eGPU Expansion Chassis
RocketStor 8631CW PCIe 5.0 x16 eGPU Expansion Chassis

RocketStor 6000 Series External NVMe Enclosures
RocketStor 6541AW 4-Bay PCIe Gen4 x16 2.5" NVMe Enclosure
RocketStor 6542AW 8-Bay PCIe Gen4 x16 2.5" NVMe Enclosure

About HighPoint Technologies, Inc.

HighPoint is committed to providing innovative, reliable, and scalable solutions that meet the evolving demands of today's high-performance computing, video editing, AI, and 3D rendering applications. 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.