

HighPoint Launches Rocket 7634D — Industry's First Independent PCIe Gen5 External CDFP Host Interface Card

Delivers uncompromised Gen5×16 bandwidth and CopprLink-compliant reliability for external GPU and NVMe expansion

Fremont, CA — December 2025 — HighPoint Technologies, Inc., a global leader in advanced PCIe storage and connectivity solutions, today announced the Rocket 7634D, the industry's first independent PCIe Gen5 External CDFP Adapter. Engineered to serve as the cornerstone of next-generation external PCIe fabrics, the Rocket 7634D robust external CDFP-CopprLink connectivity compact low-profile form factor, and proven PCIe Gen5 switching technology deliver the bandwidth, reliability, and interoperability demands of disaggregated computing, AI driven applications and performance hungry HPC and professional media workflows.

Built in full compliance with the **PCI-SIG CopprLink specification**, the Rocket 7634D functions as a professional-grade **Host Interface Card (HIC)**; enabling direct, non-blocking connections between servers or workstations and external GPUs, accelerator and I/O cards, or NVMe storage enclosures—without the compromises of tunneling or legacy interconnects.

Uncompromised PCIe Gen5 Performance

At the core of the Rocket 7634D resides Broadcom 89048 PCIe Gen5 switch IC, providing clean, deterministic bandwidth for external device expansion:

- **48-lane Intelligent Switching Architecture:** Rocket 7634 HIC cards dynamically manage bandwidth to maintain signal integrity and eliminate contention; ideal for high-performance accelerators, NVMe storage, and data-intensive workloads.
- **Up to 64 GB/s bi-directional Throughput: The Rocket 7634D's switching architecture delivers a full x16 lanes of PCIe Gen5×16 of bandwidth between the CopprLink device and host platform**, ensuring external devices operate at native performance levels.

This architecture ensures that GPUs, FPGAs, DPUs, and high-density NVMe systems are never constrained by host-side bottlenecks.

CopprLink Compliance Sets the Standard for Reliability

The Rocket 7634D's strict adherence to the **PCI-SIG CopprLink specification** ensures enterprise-class reliability and universal interoperability:

- **Open ecosystem compatibility** with any CopprLink-compliant device or cable
- **Guaranteed Gen5 signal integrity** at 32 GT/s over the external cable connection

- **Enterprise-grade CDFP connector:** Provides a compact, secure, and service-friendly external I/O solution

By strictly adhering to PCI-SIG standards, HighPoint facilitates long-term platform stability while protecting customer hardware investments.

Universal Host Interface for Industrial and Enterprise Applications

As a CopprLink-compliant HIC, the Rocket 7634D serves as a critical bridge between industrial servers and performance-hungry external devices:

- **External GPU and PCIe expansion enclosures** — Deliver dedicated Gen5×16 bandwidth for AI training, inference, and scientific simulation
- **External NVMe JBOF storage systems** — Create a direct-attached Gen5 storage fabric capable of sustaining extreme I/O workloads for databases and analytics

When paired with validated solutions such as **HighPoint RocketStor 6600 Series NVMe storage enclosures** or **RocketStor 8000 series GPU/Compute expansion enclosures**, the Rocket 7634D enables rapid deployment of external PCIe resources into existing infrastructure.

Streamlines Integration, Customization, and Control

The Rocket 7634D is engineered for modern server environments and OEM integration:

- **Low-profile CEM form factor** for space-constrained servers and high-density rackmount platforms
- **Firmware customization support**, enabling customer-defined configurations for OEM and embedded solutions
- **Seamless integration with HighPoint NVMe storage and PCIe expansion platforms** – The Rocket 7634D is fully compatible with HighPoint RocketStor 8000 series external GPU/Compute enclosures and RocketStor 6000 series NVMe JBOF enclosures

Always-On Real-Time HIC Management

HighPoint's intuitive MPT (Management, Performance, and Troubleshooting) software provides administrators with real-time insight into the external PCIe fabric:

- **Continuous, Real-Time health and link status monitoring for the HIC and hosted devices**
- **Proactive troubleshooting tools** for enterprise and industrial deployments

In Summary

HighPoint's Rocket 7634D establishes a new benchmark for external PCIe connectivity by delivering true Gen5x16 performance with CopprLink-compliant reliability and interoperability. The professional-grade Host Interface Card eliminates traditional expansion bottlenecks and enables seamless integration of external GPUs, accelerators, and NVMe storage at native performance levels. With enterprise-class reliability, seamless integration and administration and readiness for AI, HPC, and data-intensive workloads, the Rocket 7634D provides a future-proof foundation for scalable, disaggregated computing architectures.

Availability

The HighPoint Rocket 7634D PCIe Gen5 External CDFP Adapter is available now through HighPoint's global distribution network. For more information, visit **www.highpoint-tech.com**.

Rocket 7634D PCIe 5.0 x16 External CopprLink HIC (Host Interface Card): MSRP USD: \$999.00

About HighPoint Technologies

HighPoint Technologies stands as a global leader in PCIe connectivity solutions and a premier manufacturer of high-performance, high-density NVMe Switch and RAID AIC, Adapter and Enclosure storage solutions. 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.