

HighPoint Unveils New Category of CDI Hardware Storage Platforms; Launches RocketStor 4243AS NVMe-oF Solution for Liquid Infrastructure

Fremont, CA – April 2026 – HighPoint Technologies, Inc., a leading provider of high-performance NVMe storage solutions, today announced a strategic expansion into the Composable Disaggregated Infrastructure (CDI) market with the introduction of its new CDI Hardware Storage Platforms. Leading this transition is the market release of the RocketStor 4243AS, a 24-bay NVMe-oF (NVMe over Fabrics) storage solution designed to provide a hardware-neutral, fabric-agnostic foundation for modern data centers.

Redefining the Data Center: From "Solid" to "Liquid" Storage

As the industry moves away from rigid, server-bound hardware toward Composable Disaggregated Infrastructure, HighPoint is delivering the tools to treat storage as a "liquid" resource.

"The RocketStor 4243AS is not just a storage enclosure; it is a fundamental shift in how IT administrators deploy high-performance resources," said May Hwang, Director of Marketing at HighPoint Technologies. "By decoupling storage from the compute node, we are enabling our customers to 'compose' infrastructure on the fly, eliminating stranded capacity and aligning hardware investment directly with workload demand."

RocketStor 4243AS: The Economical High-Performer

The RocketStor 4243AS is engineered for organizations that demand enterprise-grade NVMe-oF performance without the capital-heavy complexity of traditional multi-controller arrays.

- **WDC RapidFlex™ Powered:** Integrating the Western Digital RapidFlex C2000 NVMe-oF Controller, the RS4243AS leverages the same high-performance silicon found in enterprise-scale platforms like the Data24.
- **Dual 100GbE Connectivity:** Featuring dual 100GbE ports (200Gbps total), the platform delivers ultra-low latency and massive throughput for data-intensive applications, supporting both RoCE v2 and TCP environments.
- **Optimized Power & Bandwidth Efficiency:** Unlike standard JBOFs that over-provision lanes, the RS4243AS's precision-engineered hardware architecture allocates a dedicated **x1 PCIe lane per drive**. This design maximizes the saturation of the dual 100GbE network bandwidth while significantly reducing overall power consumption and heat output.

- **True BYOD (Bring Your Own Drive) Flexibility:** To maximize ROI and prevent vendor lock-in, the RocketStor 4243AS features a hardware-neutral BYOD design. Customers have the freedom to select any industry-standard U.2 NVMe SSD, allowing for tailored capacity and performance that fits specific budget requirements.
- **Scale-Out vs. Scale-Up:** Unlike “Scale-Up” systems that require massive upfront investment in multiple fabric ASICs, the RocketStor 4243AS utilizes a modular, single-silicon design. This allows IT administrators to scale incrementally—adding 24-bay units only as growth dictates.
- **Operational Simplicity:** With built-in Redfish API support, the RocketStor 4243AS integrates seamlessly into modern automation frameworks (Ansible, Terraform), allowing for software-defined management alongside existing server fleets.

Target Applications: AI, HPC, and the Modern Cloud

The RocketStor 4243AS was engineered to address the real-world infrastructure requirements of modern data-intensive workloads:

- **AI & Machine Learning:** Serving as a high-speed KV Cache and inference offload tier to keep GPUs fully saturated.
- **Managed Service Providers (MSPs):** Providing the foundation for “Bare Metal” Storage-as-a-Service with a modular, BYOD-driven ROI model.
- **HPC & Scientific Simulation:** Delivering high-concurrency burst buffers for massive parallel-write checkpointing.
- **Software-Defined Rendering Farms:** Ensuring hundreds of render nodes have simultaneous, line-rate access to high-resolution 8K/12K assets.

A Vision for Total Composition

The launch of the RocketStor 4243AS is the first step in HighPoint’s CDI roadmap. Later this year, HighPoint will expand the CDI Hardware Storage Platform category with Gen5 NVMe-over PCIe Switch CDI nodes. Together, these platforms enable customers to compose resources across both Ethernet and PCIe fabrics, providing a truly unified, fabric-agnostic infrastructure.

Availability

The RocketStor 4243AS is scheduled for market release in **May 2026**.

Learn More

[HighPoint CDI Hardware Storage Platforms](#)

[RocketStor 4243AS 24-Bay CDI Hardware NVMe Storage Platform](#)

About HighPoint Technologies, Inc.

HighPoint Technologies is a leading provider of high-performance NVMe storage and connectivity solutions, specializing in efficient, end-to-end data-routing architectures. For over 30 years, HighPoint has pioneered the storage industry through engineering excellence in Intelligent PCIe Switching, NVMe RAID, and Host Bus Adapter (HBA) technologies.

The HighPoint ecosystem is anchored by our External CopprLink™ Architecture, a validated Host-to-Device turnkey solution that extends the PCIe Gen5 fabric beyond the server chassis for eGPU and high-density NVMe expansion. Continuing this legacy, HighPoint is now leading the transition to Composable Disaggregated Infrastructure (CDI) with our new category of CDI Hardware Storage Platforms. From internal RAID controllers to fabric-agnostic disaggregated storage, HighPoint remains the "Economical High-Performer," providing the modular foundation for the next generation of AI, Cloud, and Edge computing.