

HighPoint Partners with Insyde® Software to Deliver Secure, OOB OpenBMC Management for Disaggregated NVMe-oF Storage Platform

The Collaboration Synergizes HighPoint's RocketStor 4243AS 24-Bay NVMe-oF Platform with Insyde's Supervyse® OpenBMC Firmware, Bringing True Data Center Automation and Scalability to AI, HPC, and Cloud Infrastructure

FREMONT, CA & TAIPEI, TAIWAN –June 30 2026– HighPoint Technologies, Inc., a leading provider of next-generation high-performance storage and connectivity solutions, has announced a partnership with Insyde® Software, a leading provider of UEFI BIOS, OpenBMC and platform root-of-trust firmware. This collaboration introduces enterprise-grade, out-of-band (OOB) OpenBMC management capability to HighPoint's newly launched **RocketStor 4243AS**, a 24-bay Composable Disaggregated Infrastructure (CDI) NVMe-oF rackmount storage platform.

As modern data centers face unprecedented demands, the simultaneous, aggressive scaling of both raw performance and massive storage capacity has pushed traditional server architectures past their physical limits. To prevent resource bottlenecks in AI, machine learning, and High-Performance Computing (HPC), data centers are rapidly shifting toward composable architectures that decouple these assets—allowing ultra-dense flash pools to scale capacity and performance independently over **Network / PCIe Fabrics**, while making out-of-band management a mission-critical requirement.

The RocketStor 4243AS features Dual 100GbE connectivity network connectivity, native support for both RoCE (RDMA over Converged Ethernet) and TCP network protocols, and a built-in hardware BMC baseboard. By integrating Insyde's mature OpenBMC system management software, the RocketStor 4243AS offers fully compliant Redfish® framework, giving operators complete infrastructure visibility, strict security controls, and intelligent thermal defense systems.

"The RocketStor 4243AS represents a major architectural milestone for HighPoint as we expand our lane-optimized heritage into networked fabric storage," said May Hwang, Director of Marketing at HighPoint Technologies, Inc. "By combining our line-rate Dual 100GbE hardware bridging architecture with Insyde's secure OpenBMC solution, we are effectively eliminating the 'enterprise tax' that has historically plagued CDI deployments. Data center operators are no longer forced into costly, vendor-locked storage ecosystems. With this unified platform, they can deploy a completely hardware-neutral, ultra-dense flash pool that scales performance and capacity independently over Network/PCIe Fabrics, while fitting seamlessly into their existing automated management frameworks."

"Data center teams deploying CDI at scale need both performance and manageability on the same platform," said Bryant Lee, AVP of Product Marketing, Server & AI Infra, Insyde Software. "Supervyse brings Insyde's production-proven OpenBMC expertise to HighPoint's RocketStor 4243AS — delivering Redfish-native orchestration, hardware-anchored secure boot, and real-time thermal control without touching the high-speed storage network. That's the out-of-band management hyperscale environments now demand."

Synergized Solutions & Core Benefits

Purpose-engineered for hyperscale storage workloads, Insyde's Supervyse® OpenBMC architecture transforms HighPoint's high-density NVMe-oF platform into a fully orchestrated infrastructure asset—resolving the operational bottlenecks that have long constrained large-scale CDI deployments:

- **Uncompromised Fabric Performance via True OOB Isolation:** The RocketStor 4243AS offloads storage traffic entirely to its hardware fabric engine, achieving line-rate Dual 100GbE speeds. Insyde's OpenBMC operates on a completely independent management plane, ensuring that continuous real-time telemetry polling, asset discovery, and user authentication never interrupt or add latency to the high-speed storage network.
- **Effortless Scale-Out via Network Switches:** Because the RocketStor 4243AS operates as an autonomous networked target rather than direct-attached storage (DAS), capacity grows by plugging additional units into existing leaf-spine fabrics. Supervyse handles the rest—zero-touch discovery, policy-driven remote provisioning, and lights-out commissioning of new pools, with no physical access or host reboots required.
- **Proactive Thermal & Dynamic Cooling Defense:** Driving 24 high-performance NVMe SSDs in a compact rackmount chassis generates significant heat under sustained workloads. Supervyse draws on Insyde's deep firmware engineering capability to continuously sample slot-level thermal sensors and dynamically tune fan PWM curves in real time—preempting NVMe thermal throttling and locking in IOPS consistency through the most demanding AI and HPC ingest cycles.

Key Technical Features of Supervyse OpenBMC Solution

Supervyse OpenBMC provides the RocketStor 4243AS with a suite of enterprise-grade features designed to optimize data center orchestration and asset security:

- **Full Redfish® API Compliance:** Supervyse delivers a fully DMTF-compliant RESTful API surface, enabling DevOps and infrastructure teams to integrate the RocketStor 4243AS directly into market-leading software-defined storage (SDS) platforms and private cloud operating systems—out-of-the-box interoperability with industry-standard orchestration stacks.
- **Hardware-Root-of-Trust (RoT) Secure Boot:** Implements comprehensive cryptographic validation of BMC firmware images to shield out-of-band management interfaces from sophisticated supply-chain attacks and unauthorized local modifications.
- **Slot-Level Drive Presence & Dynamic LED Drive Controls:** Interfacing directly with the RocketStor 4243AS backplane via low-level management buses to log NVMe drive placement changes and command the physical drive tray LEDs (fault, identify, activity), minimizing repair windows for field technicians.
- **Advanced Out-of-Band Remote Access:** Offering a clean, intuitive web-based GUI with an encrypted Secure Shell Protocol (SSH), Supervyse give operators a secure remote path to configure low-level parameters, cycle device power, and flash firmware—even when the primary 100GbE storage interfaces are down.

Market Impact and Availability

By combining HighPoint's ultra-dense CDI hardware storage infrastructure with Insyde Software's hardened management expertise, the joint solution redefines what data center architects can expect from open, disaggregated storage. The RocketStor 4243AS effectively democratizes high-performance NVMe-oF deployments, delivering a scalable, vendor-agnostic architecture that drops seamlessly into modern automated infrastructures without the burden of proprietary storage costs.

The HighPoint RocketStor 4243AS NVMe-oF target platform, fully integrated with Insyde's secure OpenBMC solution, is available for order immediately through HighPoint's global network of authorized distribution, resale and system integration partners.

RocketStor 4243AS MSRP USD\$ 8,999.00

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[HighPoint RocketStor 4243AS NVMe-oF CDI NVMe Hardware Storage Platform](#)

About HighPoint Technologies, Inc.

HighPoint Technologies, Inc. is a leading developer of high-performance storage and connectivity solutions for enterprise, industrial, AI, media, and HPC applications. For over two decades, HighPoint has delivered innovative PCIe, NVMe, RAID, and storage networking technologies that enable organizations to maximize performance, scalability, and reliability across mission-critical environments.