

HighPoint Launches the Rocket 7602L: The Industry's Premier Bootable Dual-Port PCIe Gen5 M.2 AIC for Workstations and Edge Servers

Featuring an independent UEFI boot ROM and active Retimer technology, the efficient, low-profile RAID add-in-card introduces an uncompromised, cost-efficient framework for AMD & Intel system platforms at \$299.

FREMONT, CA — July 2026 — HighPoint Technologies, Inc., a leading provider of high-speed, high-density PCIe storage and connectivity solutions, has launched the newest member of their comprehensive NVMe RAID Product Family, the Rocket 7602L, a Dual M.2 PCIe Gen5 x16 Low-Profile Bootable RAID Add-In-Card (AIC).

Engineered specifically for system integrators, edge architects, and engineering professionals building high-performance workstations and edge servers, the Rocket 7602L stands alone as the premier bootable dual-port Gen5 M.2 solution available on the market. It offers an elite, high-value framework for deploying mirrored (RAID 1) OS redundancy or striped (RAID 0) high-velocity scratchpads while freeing up primary front-loading server drive bays for dedicated data storage.

"With the launch of the Rocket 7602L, our focus was to engineer the industry's most cost-effective, high-velocity Gen5 boot solution without the restrictive costs associated with legacy storage hardware," said May Hwang, VP of Marketing at HighPoint Technologies, Inc. "By pairing an active PCIe Gen5 Retimer with an independent UEFI boot ROM, we are providing system builders with an optimized, budget-conscious architecture that delivers uncompromised Gen5 boot speeds and OS redundancy for any high-performance workstation or server deployment."

Unleashing True Cross-Platform Gen5 Boot RAID

Standard native onboard M.2 ports are structurally limited to booting from a single drive, as typical operating system-level RAID configurations can only execute after the OS has already initialized. The Rocket 7602L overcomes this fundamental platform limitation by integrating its own dedicated, UEFI-compliant boot ROM. This independent firmware layer allows host motherboard platforms to immediately recognize the AIC as a single, unified bootable device during the pre-boot phase. By handling the storage array architecture independently of the motherboard BIOS, the Rocket 7602L enables system integrators to deploy high-performance bootable RAID volumes across both AMD and Intel platforms without complex software workarounds or proprietary chipset lock-in.

Native Motherboard-Grade Latency & Integrity

To ensure that independent boot volumes perform at the absolute physical limits of Gen5 NVMe media, the Rocket 7602L pairs HighPoint's storage driver technology with an active PCIe Gen5 Retimer engine and full PCIe x16 host interface. The onboard Retimer actively re-clocks

and regenerates high-speed data streams coming from the host CPU to each M.2 port. This active conditioning ensures optimal link quality and delivers access latencies and throughput metrics comparable to native onboard M.2 slots, providing uncompromised boot reliability and I/O transfer performance.

Smart Firmware and Real-Time Hardware Monitoring

Unlike basic onboard M.2 slots that offer no direct visibility into individual drive metrics, the Rocket 7602L features HighPoint's Smart Firmware Intelligence Layer. This host-independent processor operates as a dedicated telemetry bridge for granular workstation and server optimization, actively retrieving and displaying continuous, real-time per-device metrics including power consumption, active lane speed verification, and thermal readings directly from the hosted NVMe media. To streamline physical hardware inventory and maintenance workflows, the card features physical, color-coded Early Warning LED indicators on the PCIe bracket and an audible alarm to immediately alert technicians of cooling fan anomalies or critical temperature thresholds.

Availability and Operating System Integration

The low-profile Rocket 7602L fits standard 1U/2U server and workstation chassis, providing out-of-the-box boot capability for Windows platforms and mainstream Linux distributions. Management is accessible pre-boot via a native UEFI interface or post-boot through a secure, browser-based WebGUI and Command-Line Interface.

The Rocket 7602L is available immediately through HighPoint's network of authorized distributors and reseller channels at an MSRP of **\$299**.

At this highly competitive price point, HighPoint introduces an active Gen5 Retimer engine and a dedicated, UEFI-compliant boot ROM to the mainstream market, providing a cost-effective alternative to legacy hardware controllers for professional boot redundancy and performance. For detailed specifications, please visit the official product page.

About HighPoint Technologies, Inc.

For over 30 years, HighPoint Technologies has been at the forefront of PCIe storage and connectivity innovation. 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.