

HighPoint Announces Full Validation of PCIe Gen5 NVMe Storage Expansion Adapters with ScaleFlux CSD5310 Series Enterprise SSDs

FREMONT, CA – January 2026 – HighPoint Technologies, Inc., a premier manufacturer of high-performance, high-density NVMe switch and RAID add-in card (AIC) and adapter storage solutions for off-the-shelf x86 platforms (AMD and Intel), and ScaleFlux a leader in NVMe Enterprise Storage and CXL Memory Solutions, have announced that Rocket series PCIe Gen5 NVMe storage expansion adapters has been fully validated for use with ScaleFlux's CSD5310 Series enterprise NVMe SSDs.

This qualification confirms full interoperability between HighPoint's Rocket 1600 NVMe switch adapters and Rocket 7600 Pro and RAID Series MCIO host adapters with ScaleFlux's PCIe Gen5, enterprise-class U.2 NVMe drives. Together, the platforms deliver uncompromised performance, density, and reliability for next-generation data-intensive workloads.

The validated solution is ideally suited for high-performance computing (HPC), artificial intelligence (AI), machine learning (ML), and professional media workflows, particularly in edge computing environments that require scalable, high-density storage for mission-critical applications.

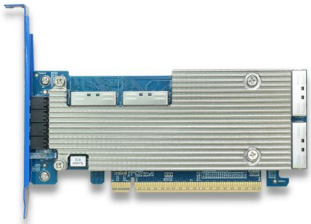
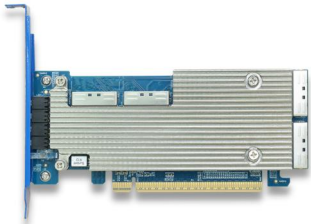
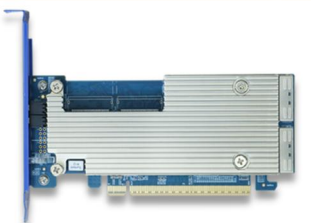
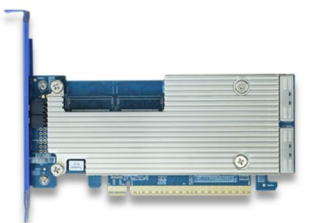
"HighPoint's PCIe Gen5 NVMe expansion architecture was designed to unlock the full potential of next-generation enterprise SSDs," said **May Hwang, Marketing Director at HighPoint Technologies**. "Our collaboration with ScaleFlux ensures customers can deploy CSD5310 Series drives with complete confidence, achieving maximum throughput, reliability, and scalability for the most demanding workloads."

During validation testing, ScaleFlux CSD5310 U.2 SSDs achieved nearly **53 GB/s of sustained read and write performance** when configured in a RAID array using the HighPoint Rocket 7628A Gen5 Pro/RAID adapter. This level of performance demonstrates the platform's ability to support extreme data processing requirements across AI training, inference pipelines, and HPC environments.

"Verified compatibility with components and platforms in the NVMe ecosystem is one of the critical tenants in ScaleFlux product development," said **JB Baker, Vice President at ScaleFlux**. "The collaboration with Highpoint in thoroughly testing compatibility facilitates **deployment by IT teams for their enterprise, AI, and data center infrastructure.**"


Industry-Leading PCIe Gen5 NVMe Storage Expansion Adapters

HighPoint’s Rocket 7600 Pro/RAID and 1600 series Switch adapters are enterprise-grade NVMe storage expansion solutions optimized for AI, HPC, and other data-intensive applications. These adapters support large NVMe SSD arrays, delivering maximum transfer bandwidth, ultra-low latency, and advanced management features including RAID and SED support.

<p><u>Rocket 1628A Switch Adapter</u></p> 	<ul style="list-style-type: none">• PCIe Gen5 x16• 4x MCIO Ports• Directly Supports up to 8x NVMe SSDs• Directly supports up to 2x MB699V5P-B Mobile Racks	<p><u>Rocket 7628A Pro/RAID Adapter</u></p> 	<ul style="list-style-type: none">• PCIe Gen4 x16• 4x MCIO Ports• Directly Supports up to 8x NVMe SSDs• RAID 0, 1, 10• Directly supports up to 2x MB699V5P-B Mobile Racks
<p><u>Rocket 1624A Switch Adapter</u></p> 	<ul style="list-style-type: none">• PCIe Gen5 x16• 2x MCIO Ports• Directly Supports up to 4x NVMe SSDs• Directly supports a single MB699V5P-B Mobile Rack	<p><u>Rocket 7624A Pro/RAID Adapter</u></p> 	<ul style="list-style-type: none">• PCIe Gen4 x16• 2x MCIO Ports• Directly Supports up to 4x NVMe SSDs• RAID 0, 1, 10• Directly supports a single MB699V5P-B Mobile Rack
<p>Enterprise grade NVMe Storage solution with plug & play integration; natively supported by Windows & Linux platforms</p>		<p>High-Performance NVMe adapters with proven RAID technology and SED support for unique applications or workloads.</p>	

High-Performance Enterprise NVMe Storage for Edge Computing & Data enter Applications

ScaleFlux’s High-performance CSD5310 NVMe drives utilize a the FX5016, a custom-built ARM-based SoC to maximize transfer speed, reliability and endurance.

<p><u>ScaleFlux CSD5310</u></p> 	<ul style="list-style-type: none">• PCIe Gen5 x4• Power & Latency Monitoring• Self-Encrypting Drives• NVMe 2.0b & OCP 2.0 compliant• NVMe Thin Provisioned Namespaces
<p>Enterprise NVMe SSDs designed for power-efficient performance, consistently low latency, and scalable capacity density for the most demanding AI and Data Center workloads.</p>	

In Summary

The joint validation reinforces HighPoint and ScaleFlux's commitment to providing open, standards-based solutions that allow system integrators, OEMs, and enterprise customers to deploy high-performance Gen5 NVMe storage with confidence across a wide range of server and workstation platforms.

Learn More

[Rocket 1628A Switch Adapter](#)
[Rocket 7628A Pro/RAID Adapter](#)
[Rocket 1624A Switch Adapter](#)
[Rocket 7624A Pro/RAID Adapter](#)

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 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.

About ScaleFlux

ScaleFlux advances enterprise Flash Storage and CXL Memory with breakthrough performance, efficiency, security, and scalability for AI/ML workloads, and enterprise & data center applications in data centers and edge environments.