

## HighPoint Technologies and Xinnor Announce Strategic Partnership to Deliver Next-Generation NVMe Storage Solutions for Enterprise Applications

September 2024, Fremont CA - HighPoint Technologies, a leading provider of PCIe NVMe Switch AIC and Adapter solutions, is proud to announce a strategic partnership with Xinnor, a global leader in Software RAID technology. This collaboration brings together HighPoint's class-leading PCIe to NVMe Switch AIC and Adapter families with Xinnor's advanced xiRAID for Linux, enabling clients to craft powerful synergistic storage solutions designed to meet the performance, scalability, and security demands of today's most data-intensive applications, including AI/ML workloads, Big Data analytics and enterprise datacenters.

### Unleash Enterprise-Grade Performance and Protection

HighPoint and Xinnor's partnership enable enterprise customers to unlock the full potential of NVMe storage technology. A single Rocket series Adapter empowered by xiRAID can accommodate nearly 2 Petabytes of U.2, U.3 or E3.S NVMe storage configured into a fault-tolerant RAID array, and is capable of maximizing a full x16 lanes of PCIe host transfer bandwidth. This enables the solution to deliver up to 60GB/s of real-world transfer performance, and up to 7.5 million IOPS.

HighPoint NVMe AIC and Adapters have been validated to work seamlessly with xiRAID technology, and are natively supported by any modern Linux-based server, cloud computing or virtualization platform. Organizations can easily scale up to 32 NVMe devices per PCIe slot, providing an unrivaled combination of high-speed transfer throughput and robust data protection; an ideal pairing for mission-critical enterprise applications.

Xinnor and Highpoint's collaborative testing has shown impressive results, showcasing the power of xiRAID technology. In RAID5 configurations, xiRAID outperformed the standard mdraid utility by a significant margin, demonstrating over 10x improvement in both random and sequential write performance. These remarkable gains enable customers to harness exceptional performance in parity RAID setups, effectively increasing available capacity without additional costs.

**Unrivaled Speed:** HighPoint's Gen5 PCIe x16 NVMe Switch AIC and Adapters unlock the full bandwidth potential of Gen5 storage. Proven PCIe Switching architecture provides x48 lanes of internal bandwidth, optimize signal integrity and minimize latency to ensure each hosted NVMe device performs optimally under the most demanding data workloads.

**Enterprise-Class Data Protection:** Xinnor xiRAID supports a wide range fault-tolerant RAID configurations to enhance data integrity and maximize uptime; essential factors for any mission-critical applications. The intuitive and lightweight CLI (command line interface) enables administrators to easily configure and manage RAID 1, 5, 6, 7.3, 10, 50, 60 and 70 arrays.

**Scalability:** The combined solutions provide a flexible, scalable storage architecture that can be dynamically tailored to meet the growing needs of data-intensive enterprises, making it ideal for applications such as big data analytics, AI & ML workloads, and high-speed enterprise storage. HighPoint's Surprise NVMe Add and Remove technology provides true Hot-Swap support for the Rocket 1628A PCIe Gen5 adapter, enabling administrators and service providers to seamlessly add or remove SSD media while the host platform remains online.

**Flexibility:** By supporting different RAID levels, customer can select the one most closely aligned with their requirements, maximizing performance, scalability, and security.

*“This partnership unites HighPoint’s best-in-class NVMe Switch AICs and Adapters with Xinnor’s groundbreaking xiRAID NVMe RAID technology to bring comprehensive, high-performance storage solutions to the marketplace”, explains May Hwang, HighPoint’s VP of Marketing. “Empowering HighPoint NVMe Switch series with a full suite of fault-tolerant RAID capabilities and a streamlined interface provides customers with superior data security, robust and reliable transfer throughput, and flexible pathways for storage expansion.”*

*“Modern workloads like Artificial Intelligence, Machine Learning and Big Data Analytics require massive amount of data to be processed at very high speed.” Added Davide Villa, Chief Revenue Officer at Xinnor. “The combination of Highpoint and Xinnor’s technologies allows organizations to scale capacity and performance with various levels of drives failure protection.”*

### **About HighPoint Technologies, Inc.**

HighPoint Technologies stands at the forefront of storage innovation as the industry's -premier manufacturer of high-performance, high-density NVMe Switch and RAID AIC & Adapter solutions for off-the-shelf x86 AMD and Intel platforms. 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. HighPoint’s NVMe storage solutions are powered by industry-proven PCIe Switching technology, and are designed to address the dynamic requirements of AI/ML/LLM applications, Data Centers, Edge Servers, and high-performance workstations, enabling customers to keep pace with today’s rapidly evolving technology landscape.

### **About Xinnor**

Xinnor is an Israeli-based software development company that specializes in creating innovative data storage solutions. Their main product is xiRAID, a patented software RAID engine that delivers exceptional performance. Their software is designed to distribute data across multiple storage devices, resulting in improved data protection and increased accessibility. High-performance storage allows businesses to streamline their operations, reduce costs, and increase productivity. In addition, it provides greater scalability, flexibility, and resilience to handle the ever-increasing demands of modern business.