

HighPoint and Xinnor Release Joint Study Showcasing Groundbreaking NVMe RAID Solutions for Enterprise Applications

January 15, 2025 — HighPoint Technologies and Xinnor today announced breakthrough performance results from their collaboration on enterprise-class RAID storage solutions. In a newly published technical analysis, the companies demonstrate how their combined technologies deliver exceptional storage performance for data-intensive professional workflows without requiring specialized infrastructure.

The study, which tested HighPoint's Rocket 1628A NVMe Switch Adapter with Xinnor's xiRAID engine, achieved remarkable results including:

- Sequential read speeds of up to 52.7 GB/s in RAID6 configuration
- Write performance reaching 29.4 GB/s with dual RAID5 arrays
- 98-100% efficiency for sequential read operations
- Up to 95% efficiency for write operations

"These results demonstrate that organizations can now achieve enterprise-level storage performance using commercially available components," said Davide Villa, Chief Revenue Officer at Xinnor. "This is a game-changer for industries requiring high-performance storage solutions, from media production to scientific computing."

The solution is particularly valuable for organizations managing large-scale data operations, such as media companies handling 8K video workflows, research institutions processing scientific datasets, financial services firms requiring high-speed analytics, and other industries where high-performance storage is mission-critical.

"HighPoint's Gen5 x16 NVMe Switch Adapter, combined with Xinnor's xiRAID engine, sets a new benchmark for enterprise storage solutions," May Hwang, VP of Marketing at HighPoint Technologies. "This collaboration empowers organizations seeking RAID 5 or RAID 6 data redundancy to achieve unmatched storage performance and capacity. With support for up to 32 NVMe drives or near-4 Petabyte storage capacity in a single PCIe slot, this solution delivers exceptional scalability, efficiency, and cost-effectiveness for data-intensive applications across industries."

The technical analysis included testing with both RAID5 and RAID6 configurations using Micron and KIOXIA NVMe drives, demonstrating the solution's flexibility across different storage configurations and use cases.

Xinnor's xiRAID software is a high-performance RAID engine designed for maximum efficiency and speed across diverse applications. It enables exceptional throughput, low-latency operations, and reliable data protection, making it a go-to solution for industries that demand top-tier storage capabilities. Its flexible integration with various hardware configurations ensures scalability and adaptability to unique organizational needs.

The full technical paper can be found at: [URL to be added later]