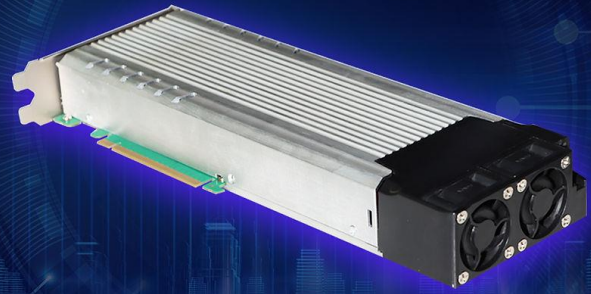


# Flash Memory Summit 2022



August 2-4, 2022  
Santa Clara Convention Center  
Visit Us at booth #650

Industry's 1st E1.S AIC NVMe RAID Storage Solution



Up to 8 E1.S SSDs

## About HighPoint Technologies, Inc

HighPoint Technologies, Inc. has been a pioneering force in the storage industry for over 25 years. Since 1995, we have designed, manufactured, and deployed the industry's most comprehensive selection of storage and connectivity solutions for NVMe, USB, Thunderbolt™, and SAS/SATA interfaces. HighPoint products and services power Fortune 500 companies, Industrial clients, and media professionals across the globe.

HighPoint manufactures the fastest and most versatile NVMe storage solutions in today's marketplace. Our NVMe RAID controllers, Enclosures and AIC-Drives employ proven RAID IP, intelligent PCIe switch technology and the industry's most advanced controller ICs to ensure each SSD operates at peak performance.

### SSD7749E

#### PCIe 4.0 x16 8x E1.S NVMe RAID Controller Card

The SSD7749E is a compact, PCI 4.0 x16 NVMe RAID controller capable of delivering up to 28,000MB/s of transfer performance using just 8 SSDs. Dual-card "Cross-Sync" RAID configurations are capable of doubling the transfer bandwidth to 55,000MB/s +!



### Advanced, Ultra-Quiet High Efficiency Cooling System

The SSD77xx features an advanced cooling system that combines a full-length anodized aluminum heat sink with a pair of ultra-durable, near-silent fans, and high-conductivity thermal pads. This compact, ultra-efficient solution rapidly transfers waste heat away from critical SSD and controller componentry, without introducing unwanted distraction into your work environment.



## Industry Proven RAID Technology

HighPoint's advanced NVMe RAID engine is capable of supporting RAID 0, 1, 10, arrays and single-drives, including mixed configurations of single-disks and arrays, multiple arrays, multiple bootable volumes, and boot + storage configurations.

## High-Port-Count (HPC) NVMe RAID Solutions

HighPoint manufactures the industry's fastest NVMe RAID controllers. Our High Port Count (HPC) 8-Channel M.2 and U.2 series represent the best of the best.

HighPoint HPC NVMe RAID controllers deliver unbeatable performance and storage capacity in a compact package that can be easily integrated into any industry standard computing platform.

### Performance Focused Hardware Architecture

HighPoint's unique performance-focused NVMe hardware architecture utilizes intelligent switch technology to allocate up to x4 lanes of bandwidth to each NVMe device port. This enables our HPC controllers to fully saturate up to x16 lanes of host bandwidth using as little as four NVMe SSDs.

However, additional SSDs can be added to maximize storage capacity, or fine tune the configuration for a specific application by optimizing a RAID array for sequential or random I/O.

## SSD7540

### PCIe 4.0 x16 8x M.2 NVMe RAID Controller Card

The SSD7540 is the industry's fastest PCIe M.2 NVMe RAID Controller. It has 8 ports, meaning up to 8 M.2 NVMe SSDs can be hosted equipped, allowing up to 64TB of storage at up to 28,000MB/s. The SSD7540 is compatible with Cross-Sync, allowing up to 16 drives to work together in an array, doubling the storage capacity to 128TB and transfer performance to a whopping 55,000MB/s.

[Learn More](#)

[Datasheet](#)



## SSD7140A

### PCIe 3.0 x16 8x M.2 NVMe RAID Controller Card

The SSD7140A is the industry's fastest PCIe Gen3 M.2 NVMe RAID Controller. Up to 8 M.2 NVMe SSDs can be hosted inside a single SSD7140A controller, allowing up to 64TB of storage at a speed of 14,000MB/s. The SSD7140A is Cross-Sync compatible. A dual-card, Cross-Synced SSD7140A, can host up to 128TB of storage at a speed of 28,000MB/s.

[Learn More](#)

[Datasheet](#)

## SSD7580B

### Dedicated PCIe 4.0 x16 8-port U.2/M.2

The SSD7580B incorporates true Hot-Swap capability, allowing users to add, remove, or replace NVMe SSDs without powering off the host platform. The SSD7580B is a dedicated PCIe 4.0 x16 8-port U.2/M.2, capable of supporting over 100TB of hot-swappable NVMe storage, at speeds up to 28,000MB/s! Additionally, the SSD7580B works with a variety of industry standard connectors, not just SFF-8639, which is employed directly by U.2 media. This allows the SSD7580B to support any industry standard U.2 or M.2 NVMe SSDs.

[Learn More](#)

[Datasheet](#)



## SSD6540

### 4-Bay U.2 NVMe RAID Storage Solution

The SSD6540 is the industry's first external NVMe storage solution to deliver uncompromised end-to-end PCIe Gen 3.0 x16 transfer bandwidth. Each of the 4 drive bays features dedicated PCIe 3.0 x4 bus bandwidth to ensure each U.2 SSD operates at peak performance.

[Learn More](#)

[Datasheet](#)