HighPoint's Now Shipping: SSD7120 4x Dedicated U.2 PCIe 3.0 x16 NVMe RAID Controller

January 2018 – HighPoint has announced the availability of its NVMe U.2 RAID Controller, the SSD7120, which is Designed for Workstation and Server Applications that require transfer speeds exceeding 20x SATA SSD's, with the compact footprint of just four 2.5" drives.
Unlike conventional NVMe drives or controllers, the SSD7120 is a fully independent NVMe RAID solution; any system that has a PCIe 3.0 x16 slot with direct access to the CPU can now experience the true capabilities of NVMe storage performance. The SSD7120's unique hardware architecture provides dedicated PCIe 3.0 x4 (32Gb/s) bus bandwidth for each SSD. The U.2 ports are compatible a wide range of 2.5" rackmount chassis in today's marketplace and simplify upgrade and maintenance procedures. Any host platform with a dedicated PCIe 3.0 x16 slot can now unlock the true performance potential of NVMe storage!

Dedicated PCIe 3.0 x16 Maximizes Transfer Performance

Unlike onboard DMI 3.0 based NVMe solutions, which are forced to share a single PCIe 3.0 x4 lane with the motherboard's SATA & USB ports, the SSD7120 features dedicated PCIe 3.0 x16 bus bandwidth, which allows each U.2 SSD to interface directly with the platform's CPU and deliver maximum transfer performance.

NVMe RAID Manager for Linux and Windows Systems

The SSD7120 RAID Controller includes HighPoint's NVMe RAID Manager, an intuitive web-based interface designed to streamline the management and maintenance of NVMe-based storage solutions for Windows and Linux systems, with built-in integrated TRIM support, S.M.A.R.T. monitoring, and total Terabyte Written (TBW) tracking. NVMe Manager provides a comprehensive toolset for any NVMe Storage Application; whether fine-tuning RAID arrays, determining the level of PCIe resources available to the NVMe controller, or monitoring the health status and expected lifespan of each NVMe SSD.

Flexible 2.5" U.2 Form Factor

The U.2 ports provide customers with a great deal of flexibility when selecting an appropriate hardware platform. The connectors are compatible with a wide selection of 2.5" form-factor rackmount chassis available in today's marketplace. In addition, the industry standard SFF-8639 connectors accept cables of varying length, which allow the SSD7120 RAID controller to be easily integrated into custom chassis designs. This design simplifies field upgrades and maintenance sessions, and is ideal for chassis that require removable drive trays for quick access to storage devices.

Streamline Integration and Deployment with Certified Device Cables

HighPoint's optional 8643-8639-50 cable was designed specifically for the SSD7120 RAID controller, and features an SFF-8643 to U.2 SFF-8639 connector and 15-pin SATA Power Connector. The Cable has been rigorously tested to ensure maximum transfer performance, secure connectivity and ease of integration between the SSD7120, and major U.2 SSDs from Intel, Micron, and HGST's Ultra series.

Shipping and Availability

The SSD7120 is now available from HighPoint's North American E-Retail and Distribution partners.

SSD7120 - 4x dedicated 32Gbps U.2 Ports to PCIe 3.0 x16 RAID Controller - North American MSRP: $399.00

8643-8639-50 - SFF-8643 to U.2 SFF-8639 cable with 15-pin SATA Power Connector - North American MSRP: $34.99

About HighPoint Technologies

HighPoint was founded in 1995. For over 20 years, we've dedicated ourselves towards the design, manufacture and deployment of quality RAID HBA's and RAID Storage Management Solutions. Our devoted team of experienced hardware and software engineers bring years of Storage RAID technology expertise to NVMe, SAS, SATA, Thunderbolt ™ and USB storage and connectivity applications.

HighPoint strives to bring high-performance, quality storage and connectivity solutions to the marketplace at the industry's best prices. We firmly believe that you do not have to sacrifice performance, versatility or reliability for affordability.