HighPoint Now Shipping Hybrid NVMe / SAS RAID Controller with NVMe Boot Capability

May 2018 – HighPoint's is proud to announce the releases of the hybrid NVMe RAID / SAS RAID controller, featuring NVMe Boot capability; the SSD7110.
Equipped with three M.2 NVMe ports and four SFF-8643 Connectors, the SSD7110 can host up to 6TB of blazing fast NVMe RAID storage for high-performance applications, and up to 16 SAS or SATA hard drives, and 224TB of storage capacity for archiving and backup purposes. This unique approach to storage expansion makes the SSD7110 ideally suited for server and mass storage platforms that require redundant or high-speed boot volume support, with both Hot and Cool RAID Storage capability, in an all-in-one solution.

Comprehensive NVMe Booting Solution

The SSD7110 can support a variety of NVMe-based boot configurations. Customers can configure up to three M.2 SSD's to act as individual drives (in single disk or JBOD mode), and setup each to act as a separate boot volume. In addition, customers can configure two types of bootable RAID arrays; RAID 0 for maximum performance and rapid boot-up, or redundant RAID 1 for enhanced data security.

Dedicated PCIe 3.0 x16 Bandwidth Delivers Maximum NVMe Performance

Unlike conventional NVMe solutions, the SSD7110 features dedicated PCIe 3.0 x16 bus bandwidth, which allows each SSD to interface directly with the platform's CPU, unlocking the true potential of NVMe storage. This unique performance-focused architecture delivers up to 32Gbps per M.2 port, ideal for today's fastest M.2 SSD's, such as Samsung's 960 and 970 Series.

Integrated 16-Drive SAS/SATA RAID Storage Solution

In addition to the three M.2 NVMe ports, SSD7110 RAID controllers feature four SFF-8643 connectors, each of which can support up to four SAS/SATA Enterprise or RAID class hard drives, and up to 224TB of total storage capacity. Integrated SAS/SATA RAID technology allows the SSD7110 to support RAID 0, 1, 5, 6, 1/0, 50 & JBOD RAID configurations, in addition to non-RAID single disk mode.

Comprehensive NVMe & SAS/SATA RAID Management

NVMe Manager features TRIM support, and S.M.A.R.T. monitoring with total Terabyte Written (TBW) tracking. S.M.A.R.T. monitoring allows you to check the temperature, voltage and TBW of each NVMe SSD. The interface updates attribute data in real time, and can be even be configured to notify you by Email, in the event of an error condition or threshold warning. NVMe Manager can also analyze PCIe bandwidth available to the SSD7110 NVMe Controller, which allows customers to select the slot capable of best maximizing transfer speeds.

Pricing & Availability

The SSD7110 is now available from HighPoint's global E-tail and Distribution channels.

SSD7110 - 3x dedicated M.2 Ports & 4x SFF-8643 SAS/SATA ports to PCIe 3.0 x16 RAID Controller

North American MSRP: $799.00

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.