HighPoint's SSD7103 is a Simple, Bootable NVMe RAID Storage upgrade for your Workstation or Server

Fremont, CA, May 2019 – HighPoint has launched the first of its next-generation NVMe RAID controllers, the SSD7103. Built on the success of the SSD7102, the Second Gen SSD7103 is a fully independent NVMe RAID controller designed for use with any Intel-based, NVMe capable Workstation, Server or Desktop PC. The integrated EFI boot capability, combined with HighPoint's market proven RAID technology, make the SSD7103 an ideal system acceleration solution; it can dramatically boost storage performance while minimizing boot time for both Linux and Windows platforms. When installed into a dedicated PCIe 3.0 x16 slot, the SSD7103 is capable of supporting up to four MLC, TLC or QLC M.2 SSD's in one or more RAID configurations, and delivers truly blistering transfer speeds, up to 14,000 MB/s!

Satisfies any Budget, Performance or Capacity requirement

The SSD7103 is capable of supporting any mainstream MLC, TLC and QLC M.2 SSD in today's marketplace. Customers are free to mix and match up to four drives to meet each application's budget, performance or capacity requirement. SSD's hosted by the SSD7103 can be configured to operate independently as either storage or boot volumes, or combined into one or more RAID arrays.
The SSD7103 is a simple and cost-effective NVMe performance upgrade for media workstation and server platforms. Instead of a costly, time consuming motherboard upgrade, customers can easily integrate a compact PCIe device into their existing infrastructure. It enables any system with a current Intel-based motherboard to support bootable NVMe RAID configurations.

The Ultimate Bootable NVMe RAID Solution

The SSD7103 is the industry's fastest and most versatile NVMe-based booting solution. The four M.2 channels can support individual boot drives or multiple bootable RAID arrays. Customers can easily tune the NVMe configuration for maximum performance, security or a combination of both.

Rapid-Boot: RAID 0 will both minimize boot-time and maximize transfer performance. Customers can configure up to 2 RAID 0 arrays, composed of 2 M.2 SSD's, or a single large RAID 0 array using all four M.2 slots.

Secure-Boot: RAID 1, also known as mirroring, is ideal for applications that require additional layers of data security for their boot volumes. Customers can configure up to two RAID 1 arrays, comprised of two M.2 SSD's, and set each to operate as a separate boot volume.

Security & Speed Boot *(NEW)*: Customers can now configure bootable RAID 1/0 arrays. A RAID 1/0 configuration is comprised of two RAID 1 arrays, striped. The RAID 1 functionality ensures a duplicate copy of your data is available in case of failure, while the stripe (RAID 0) relationship boosts performance. RAID 1/0 requires 4 M.2 SSD's

Multi-Boot: Each M.2 SSD can be used independently, if RAID is not desired or required. Customers are free to install a different operating system to each volume.

Streamlined RAID Storage Management

The SSD7103 includes our intuitive NVMe Manager suite, which include a full-featured RAID management interface with TRIM support, SMART monitoring, and total Terabyte Written (TBW) tracking. TRIM support promotes the longevity and endurance of NVMe storage by enabling each SSD to handle garbage collection more efficiently, which helps eliminate write speed degradation. SMART monitoring allows you to check a variety of physical attributes of each NVMe SSD, including temperature readings, voltage and TBW. 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. Customers can also check the lane assignment of the SSD7103 controller, in order to monitor available PCIe bandwidth and maximize the performance potential of your NVMe storage.

Price & Availability

The SSD7103 will be available in early June of 2019, direct from HighPoint and certified reseller and distribution partners.

SSD7103 (Bootable, 4x M.2) – MSRP $449.00

SSD7101A-1 (4x M.2) – MSRP $399.00

SSD7110 (3x M.2 / 16x SAS/SATA) – MSRP $799.00

SSD7120 (4x U.2) – MSRP $399.00

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.