



HighPoint's SSD7101A-1 RAID Controller Unlocks the True Performance of NVMe SSD's!

Milpitas, CA – For the past two decades, HighPoint has delivered industry proven RAID Technology, Storage Solutions, I/O Connectivity Controllers and Devices to Fortune 500 Corporations, Application Providers & individual Prosumers.

HighPoint is proud to introduce the Industry's fastest NVMe M.2 RAID Controller, the SSD7101A-1. Designed for high-end desktop & workstation platforms, HighPoint's NVMe RAID Solution is capable of delivering transfer performance over 8x faster than onboard NVMe solutions, and up to 44x faster than conventional SATA SSD's. The SSD7101A-1 RAID Controller's unique hardware architecture provides dedicated PCIe 3.0 x4 bus bandwidth for each M.2 SSD, and unlocks the performance potential of NVMe based storage configurations. SSD7101A-1 RAID controllers have been fully tested and qualified with Samsung's 960 M.2 SSD's – this combination delivers truly uncompromised NVMe RAID storage performance.

Shatter the DMI 3.0 Performance Bottleneck

HighPoint's SSD7101A-1 NVMe RAID Controllers deliver truly mind-blowing levels of 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 and USB ports, SSD7101A-1 RAID Controllers feature dedicated PCI 3.0 x16 bus bandwidth. This unique architecture allows the SSD's to interface directly with the platform's CPU; shattering the constrictive performance bottleneck imposed by DMI 3.0, and unlocking the true potential of your NVMe storage.

Independent, Stand-Alone NVMe SSD Solution

The SSD7101A-1 RAID controller is a truly independent NVMe RAID solution and was designed for today's high-end desktops, custom gaming PC's and media workstations.

Unlike most NVMe controllers or drive solutions featured in today's marketplace, SSD7171A-1 NVMe RAID Controllers can be used with any system with a free PCIe 3.0 x16 slot running a Windows operating system or Linux distribution.

Robust, Compact & Efficient – Shield & Cool Your SSD's

It's no secret that PCIe devices can generate a great deal of heat, especially during peak operation. HighPoint is no stranger to PCIe design, and has engineered the SSD71001A-1 NVME RAID Controller to excel in high-stress environments. The all-aluminum casing naturally dissipates waste heat away from the SSD modules, and features an integrated fan and heat sink that work in conjunction to eject excess heat away from vital components and keep ambient temperatures manageable and cool.

Scale Performance across Multiple SSD7101A-1 NVMe RAID Controllers

Multiple SSD7101A-1 NVMe RAID controllers can be linked and installed into a single system, and deliver up to 128Gb/s of performance per card – over 8xfaster than NVMe drives locked behind the Intel DMI 3.0 architecture. A single SSD7101A-1 RAID controller can aggregate multiple M.2 SSD modules at PCIe x16 bandwidth, and double that when used in dual configurations!

The rising popularity of VR /AR has increased demand for higher resolutions such as 6K, or even 8K; such demanding media content requires transfer performance far beyond what is capable with single a PCIe 3.0 x16 bus connection. HighPoint's NVMe RAID Solution was designed for large block size media applications and the bombastic performance bandwidth demanded by high-resolution rendering projects. SSD7101A-1 NVMe RAID Controllers offer the advantage of scaling multiple PCIe 3.0 x16 host- connections to best satisfy this high performance threshold.

HighPointNVMe Manager

Each SSD7101A-1 RAID controller includes a simple, intuitive web-based management interface designed to provide a wealth of monitoring and configuration options for novice and experts alike. A Quick Configuration menu allows new users to get everything up and running with a few simple clicks. Experienced Pros can fine tune configurations for specific applications using the Advanced Options menu.

Integrated TRIM & SMART Monitoring with TBW Tracking: NVMe Manager features TRIM support, and SMART monitoring with 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 minimize write speed degradation. SMART monitoring allows you to check a variety of physical attributes of each NVMe M.2 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.

Shipping and Availability

The SSD7101A-1 6114V is available from HighPoint's North American E-Retail and Distribution partners, and will begin shipping mid-July 2017.

SSD7101A-1 - 4x dedicated 32Gbps M.2 Ports to PCIe 3.0 x16 RAID Controller. North American 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.