HighPoint rSSD 7101 NVMe RAID Drive Series – 20x SATA SSD Performance in a PCIe Card-Sized Drive!

December 2017 - HighPoint continues to expand its revolutionary line of NVMe Storage with the introduction of the rSSD7101 Series NVMe RAID drives. These stand-alone NVMe PCIe RAID drives can be easily installed into any compact workstation or server with a free PCIe 3.0 x16 slot, yet wield the power of massive SATA SSD RAID configurations.
rSSD7101 Drives can deliver up to 13,500 MB/s of blazing fast transfer performance and up to 8TB of storage capacity for both enthusiast and professional grade applications, and were designed for platforms running Windows 10 64-bit and Linux Distributions with kernel 3.3 or later.

A Paradigm shift for Compact System Acceleration

rSSD7101 Series RAID Drives pack the power of a 20x SATA SSD RAID Array into a compact, stand-alone PCIe device that can be easily installed into nearly any type of workstation or server platform! This unconventional approach to NVMe storage represents a paradigm shift in the development of system acceleration solutions.
Compact workstations and servers can now tackle complex projects and workflows that were once exclusive to specialized hardware platforms.

Independent, Stand-Alone NVMe SSD Storage for Windows & Linux Servers

rSSD7101 Drives are truly independent, stand-alone solutions, and are not limited to specific applications or hardware environments. rSSD7101 drives are available in 500GB to 8TB form factors, and unlike the majority of NVMe PCIe SSD's, which are designed for a PCIe 3.0 x8 host interface, rSSD Drives benefit from dedicated PCIe 3.0 x16 architecture. The superior bandwidth enables rSSD Drives to deliver groundbreaking transfer performance for any motherboard with a free PCIe 3.0 x16 slot.

Scale Performance and Capacity across multiple rSSD7101 Drives

The HighPoint rSSD Management Solution's seamless interface was designed to accommodate applications that require transfer speeds exceeding 13GB/s, or capacities larger than 8TB. This simple and versatile storage solution can easily scale performance to match the requirements of each application.
Customers can configure a single RAID array across dual rSSD7101 Drives and achieve up to 25Gb/s pf transfer performance, and expand storage capacity up to 16TB.

Zero Performance Throttling

rSSD7101 RAID Drives feature an aluminum casing and powerful fan to keep the NVMe SSDs cool. This prevents the SSDs from throttling back performance to avoid overheating, and ensures maximum transfer performance even during the most intense workloads.

Robust and Streamlined Design Protects and Cools SSD Modules

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 rSSD7101 Drive Series to excel in high-stress conditions. 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.

HighPoint rSSD Manager

rSSD7101 Series RAID Drives feature an easy to configure SSD drive module with integrated TRIM support and SMART monitoring. TRIM support promotes the longevity and endurance of each SSD while SMART monitoring allows customers to keep close tabs on the physical attributes of each device, including temperature readings, total bytes written and disk usage values; essential tools for planning, configuring and maintaining mission critical SSD storage. Quick Configuration menus allow new users to get everything up and running with a few simple clicks. In depth, Advanced Options allow experienced professionals to fine tune SSD module configurations for specific applications.

rSSD7101A Series – E-Class SSD's (Enthusiast Applications)

rSSD7101A Series RAID Drives deliver next-generation PC storage performance, and are ideal for high-end desktops and workstations. rSSD7101A Drives are available with up to 4TB of capacity, can support sustained transfer speeds exceeding 12,000MB/s, and are compatible with nearly any modern motherboard platform with a free PCIe x16 slot.

rSSD7101B Series – P Class SSD's (Professional Applications)

rSSD7101B Series RAID Drives deliver unprecedented storage performance and reliability, and are ideal for heavy workloads such as professional media and engineering applications. rSSD7101B Drives are available with up to 8TB of capacity, and can support sustained transfer speeds exceeding 13,000MB/s.

Pricing and Availability

rSSD7101 NVMe Drives will become available in early December 2017, from North American Retail and Distribution partners.

Model	North American MSRP (USD)
rSSD7101A-500G	$799
rSSD7101A-010T	$1,099
rSSD7101A-020T	$1,599
rSSD7101A-040T	$2,899
rSSD7101B-010T	$1,199
rSSD7101B-020T	$1,999
rSSD7101B-040T	$3,899
rSSD7101B-080T	$7,099

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.