



Tom's Hardware Reviews HighPoint SSD7120 NVMe RAID Controller with Intel Optane SSD's

May 2018 – HighPoint's groundbreaking SSD7100 NVMe RAID controllers are earning high marks for their extraordinary performance capabilities, affordability, and ease integration.

In late April 2018, Tom's Hardware reviewed the SSD7120, describing the controller as a "powerful component capable of extremely high levels of performance", declaring its performance as "spectacular" and awarding it 8 stars out of 10. During their test sessions, the SSD7120 was able to deliver sustained performance over 11,000 MB's, when paired with Intel's Optane 900P U.2 NVMe SSD's! [High-Performance RAID on a Budget](#)

HighPoint NVMe RAID Solutions

Unlike the majority of NVMe-based storage in today's marketplace, HighPoint NVMe RAID controllers are stand-alone, full-featured storage solutions, and deliver dedicated PCIe 3.0 x16 transfer bandwidth, built-in RAID support, and comprehensive NVMe storage management with TBW, TRIM and SMART monitoring capabilities, in a complete, unified package.

The SSD7120 unique, performance focused architecture delivers 32Gbps of dedicated bandwidth for each individual U.2 port, and allows each U.2 SSD to interface directly with the platform's CPU, ensuring maximum transfer speeds. The integrated RAID technology enables users to configure up to four U.2 SSD's into one or more arrays, or setup to operate independently as stand-alone drives.

The SSD7120 can be easily integrated into any Windows or Linux platform with a PCIe slot capable of supporting true x16 host bandwidth. In late May 2018, this will support will expand to include Mac platforms and the latest versions of macOS.

Easily Adds Blazing Fast NVMe RAID Storage to any PC with PCIe 3.0 x16 slots

The HighPoint SSD7120 NVMe RAID controller was designed for professional applications that require sustained data transfer exceeding 10GB/s in a compact package that can be easily integrated into commercially available workstation and server platforms, and utilize off-the shelf U.2 NVMe SSD's. The SSD7120 is a fully independent NVMe RAID solution; any system with a PCIe 3.0 x16 slot that has direct access to the CPU can experience the extreme performance of NVMe RAID. The compact HBA design and four U.2 ports allow the SSD7120 to be easily integrated into a wide range of 2.5" tower and rackmount chassis in today's marketplace, and simplify upgrade and maintenance procedures.

Industry's Most Comprehensive U.2 NVMe Storage Solutions

HighPoint delivers the industry's most comprehensive U.2 NVMe Storage Solutions. Incredibly fast, compact, and easy to integrate, HighPoint U.2 NVMe Solutions were designed to accommodate ultra-high performance applications and commercially available PC-based workstation and server platforms. HighPoint U.2 NVMe solutions are compatible with a wide selection of 2.5" form-factor tower and rackmount chassis, and are ideal for applications that require removable drive trays for quick access to storage devices.

RocketRAID 7100 Series – NVMe to PCIe 3.0 x16 RAID Controllers

[SSD7120](#) - 4x dedicated 32Gbps U.2 Ports to PCIe 3.0 x16 RAID Controller

SSD6500 Series – External PCIe NVMe RAID Storage Solutions for Mac & PC

[SSD6540](#) - 4-Bay U.2 NVMe RAID Enclosure

[RocketStor 6661A-NVMe](#) - Thunderbolt™ 3 to NVMe RAID Adapter

M.2 NVMe Storage Solutions – Ultra High-Speed Storage & Available with NVMe Boot Support

HighPoint manufactures a wide range of high-performance NVMe M.2 RAID solutions for professional and enthusiast applications, designed for use with today's fastest M.2 SSD's, such as Samsung's 960 and 970 Series. Our SSD7100 RAID controllers and rSSD NVMe RAID Drives can be easily installed into any system with a PCIe 3.0 x16 slot. In addition, the SSD7110 NVMe/SAS RAID controller is capable of supporting bootable NVMe storage configurations.

RocketRAID 7100 Series – NVMe to PCIe 3.0 x16 RAID Controllers

[SSD7101A-1](#) - 4x dedicated 32Gbps M.2 Ports to PCIe 3.0 x16 RAID Controller. The SSD7101A-1 is designed for high-performance applications and data storage.

[SSD7110](#) – NVMe + SAS; 3x dedicated M.2 Ports & 4x SFF-8643 SAS/SATA ports to PCIe 3.0 x16 RAID controller
The dual-purpose SSD7110 is ideal for high-performance servers and rendering systems, and is capable of supporting bootable NVMe configurations; up to 3 SSD's (single/JBOD), RAID 0 for high-performance & RAID 1 for security.

rSSD7101 NVMe Drive Series – Pre-configured NVMe RAID Storage

[SSD7101A Series](#) – 500GB to 4TB, E-Class SSD's (Enthusiast Applications)

[SSD7101B Series](#) – 1TB to 8TB, P-Class SSD's (Professional Applications)

Pricing & Availability

The SSD7120 is now available from HighPoint's global E-tail and Distribution channels.

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

Model	Port / Device Support	MSRP
SSD7120	4x U.2 Ports	\$399.00
SSD7110	3x M.2 Ports / 4x SFF-8643 SAS/SATA Ports	\$799.00
SSD7101A-1	4x M.2 Ports	\$399.00
rSSD7101A	500GB to 4TB, E-Class SSD's (Enthusiast Applications)	From \$799
rSSD7101B	1TB to 8TB, P Class SSD's (Professional Applications)	From \$1199
SSD6540	4-Bay U.2 NVMe RAID Storage Enclosure	\$999.00
RocketStor 6661A-NVMe	4x M.2 NVMe SSD's with RAID 0, 1, 5, 1/0 Support	\$549.00

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.