

HighPoint's SSD6444 Series Enclosures are the industry's Fastest & most Compact external 4-Bay PCIe Gen3 NVMe RAID Solutions

March 2022 – HighPoint Technologies, Inc. launches the 2nd Generation SSD6444 and SSD6444M 4-Bay PCIe 3.0 External NVMe RAID enclosures.

SSD6444 series RAID enclosures were designed for Industrial and Media applications that require a compact, external storage solution capable of delivering uncompromised transfer performance. The flexible, high-performance hardware architecture leverages intelligent PCIe switch technology and PCIe Gen3 x16 host connectivity to allocate x4 lanes of dedicated bandwidth to each NVMe SSD and deliver up to 14,000MB/s of transfer throughput.

At less than 5 inches tall, and only 6 inches wide, SSD6444 enclosures are the most compact external NVMe storage solutions in today's marketplace. The vertically aligned 2.5" drive trays allow for a marked reduction in chassis height and mass, which ideal for applications that require a portable, easily serviced high-speed mass storage solution.

SSD6444 series enclosures are available for both M.2 and U.2/U.2 NVMe applications, are compatible with Linux, Windows and macOS operating systems, and can be easily integrated into any computing platform with a free PCIe 4.0 x16 slot.

Intelligent Cooling System Actively Combats the Threat of Thermal Throttling

SSD6444 enclosures actively combat the threat of thermal throttling to ensure NVMe storage configurations perform optimally, even under heavy load.

Each enclosure is equipped with a comprehensive real-time monitoring system that incorporates full fan control with LED indication, audible alarms and thresholds that can be customized to correspond with your choice of NVMe SSDs. The robust, aluminum chassis' powerful, low-decibel cooling fan draws in cool outside air and channels it towards hosted NVMe media. Waste heat is then rapidly expelled via the ventilated drive bays. The advanced cooling system and sensor suite are designed to work in conjunction with HighPoint's SHI software solution (Storage Health Inspector), which enables administrators to closely monitor, log and manage the temperature and operational status of each hosted NVMe SSD.

Robust, Single-Cable Connectivity Solution

SSD6444 NVMe RAID Enclosures require only a single connection between the NVMe storage and host platform. The unique cabling solution ensures x16 lanes of transfer bandwidth is available at all times, and features a simple, secure locking mechanism with a quick release latch for easy serviceability.

Industry Proven NVMe RAID Engine & Management Suite

SSD6444 are powered by HighPoint's field-proven NVMe RAID engine, and can support one or more RAID 0, 1 or 10 arrays alongside single disk configurations. Each enclosure includes comprehensive suite of graphical and command-line based management and monitoring tools suitable for administrators of any experience level.

WebGUI: simple, intuitive Web-based graphical user interface. It is equipped with Wizard-like quick configuration menus as well as a suite of advanced tools for expert administrators.

CLI (Command Line Interface): ideal for seasoned administrators and applications that do not utilize graphical operating systems .

SHI (Storage Health Inspector): Instantly check the status of NVMe media in real-time! SHI utilizes SMART technology to log & report the physical characteristics of each SSD, such as temperature, voltage & TBW (Total Bytes Written). Administrators can customize temperature thresholds for each NVMe SSD to ensure storage configurations perform optimally around the clock.

Intelligent 1-Click Self-Diagnostic Logging Solution: HighPoint's WebGUI includes a host of automated diagnostic tools designed to streamline the troubleshooting process, even for novice administrators. The Diagnostic tab

enables the interface to gather all necessary hardware, software and storage configuration data and compile it into a single file, which can be transmitted directly to our FAE Team via our Online Support Portal.

Monitor Your Storage Outside of the OS: SSD6444 Series enclosures enable administrators to monitor and maintain NVMe storage outside of the host operating system. The rear panel of the enclosures features out-of-band (OOB) and remote management ports.

Pricing & Availability

SSD6444 series NVMe RAID enclosures are now available direct from our E-Store and our Certified Global Resale and Distribution partners.

[SSD6444](#) 4x U.2/U.3 PCIe 3.0 x16 NVMe RAID Enclosure: \$999.00

[SSD6444M](#) 4x M.2 NVMe RAID Enclosure: [Contact HighPoint Sales](#)