HighPoint Launches SSD6540M The Fastest External Desktop Storage – 14,000MB/s! Powered by M.2 NVMe SSD's

November 2019, Fremont, CA. HighPoint has expanded our external NVMe product line with the industry's first End-to- End PCIe 3.0 x16 External M.2 NVMe RAID Storage Solution, the SSD6540M.
The SSD6540M is designed for professional grade, performance-hungry applications that demand uncompromised transfer bandwidth. The unique NVMe architecture provides dedicated PCIe 3.0 x4 bandwidth for each drive-bay; this allows each M.2 SSD to interface directly with the platform's CPU, and deliver sustained transfer performance in excess of 14,000MB/s – faster than any other external desktop RAID storage solution in today's marketplace!

PCIe Gen3 x16 NVMe RAID Turnkey Solution

The SSD6540M is the industry's first external NVMe storage solution to deliver uncompromised end-to-end PCIe Gen 3.0 x16 transfer bandwidth. Our innovative external data cables work in conjunction with the removable M.2 drive bays to deliver dedicated PCIe 3.0 x4 transfer bandwidth to each SSD. The SSD6540M is a complete turnkey solution and includes a 4-Bay M.2 SSD enclosure, PCIe 3.0 x16 controller, two SFF- 8644 PCIe Gen3 x8 data cables, and all necessary fastening and power accessories.
Rapidly Adapts to Changing Workflows: The SSD6540M's flexible architecture enables you to adapt or transform NVMe storage to meet the needs of each application. A single SSD6540M enclosure can be shared between multiple desktops and workstations – the included controller card is also available as a standalone accessory, and can be installed into any system with a free dedicated PCIe 3.0 x16 slot. In addition, M.2 SSD's hosted by the SSD6540M can be installed into any M.2 capable SSD7100 series RAID controller; your array and data will remain intact and accessible.

Powered by Proven RAID Technology

The SSD6540M is powered by our industry proven NVMe RAID technology, and can accommodate a variety of RAID and non-RAID storage configurations, including single M.2 SSD's and multiple RAID arrays.

RAID 0: Also known as a "stripe" array. This mode delivers Maximum Performance, and requires 2 to 4 M.2 SSD's.
RAID 1: This mode creates a hidden duplicate of the target M.2 SSD, and requires 2 drives.
RAID 1/0: Mirrored Stripe arrays. This mode requires 4 M.2 SSD's – it will mirror the data of one stripe array to a second, hidden stripe array for security.

Robust & Simple NVMe RAID Management

The SSD6540M's simple and intuitive 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 & S.M.A.R.T. Monitoring with Terabyte Written (TBW) Tracking streamlines performance and expands the lifespan of NVMe storage by enabling each SSD to manage garbage collection efficiently, which helps eliminate write speed degradation. S.M.A.R.T. monitoring allows you to check the temperature, voltage and TBW of each NVMe SSD.
An integrated LCD screen allows customers to quickly access the temperature of storage configurations and adjust fan speed to ensure the NVMe drives stay healthy and run optimally. In addition, a built in alarm can be set to activate in the case of temperature or enclosure related warning or failure.

Optimized for Serviceability

The SSD6540M's is ideal for professional applications that require a robust, easily serviceable, high-speed storage solution. Unlike other M.2 based storage solutions, the SSD6540M's four removable drive bays enable quick and safe access to the NVMe media to streamline upgrade, transfer or maintenance sessions.
The professional-grade, all-aluminum enclosure is rugged enough for work in the field, yet perfectly suitable for live-demoing a media project or delivering finished product direct to the client.

Pricing and Availability

The SSD6540M will be shipping this November from our North American Retail and Distribution channels.

SSD6540M MSRP - $1099.00