**HighPoint SSD7580 Series 8x U.2 NVMe PCIe 4.0 x16 RAID Controllers**
*Massive Gen4 NVMe Storage & Performance: Over 120TB @ 28,000MB/s!*

February 2021, Fremont, CA. HighPoint SSD7580 Series U.2 NVMe RAID controllers are built for professional media & industrial applications that require truly uncompromised, blisteringly fast transfer speeds and massive-storage capability. A single SSD7580 series controller is capable of supporting over 120TB of storage capacity, while delivering real-world transfer performance exceeding 28,000MB/s! Extensive support is available for major operating systems including Linux Distributions and Windows platforms. In addition, the SSD7580B variant offers true Hot-plug capability for U.2 media; administrators can now upgrade ore replace NVMe SSD's on the fly, without powering down the system.

### Cutting-Edge PCIe Gen 4 x16 NVMe RAID Storage Performance

The SSD7580 series are fully independent NVMe RAID controllers and are not tied to a specific motherboard or chipset, require no specialized PCIe related settings such as Bifurcation or VROC, and are fully backwards compatible with both AMD and Intel-based PCIe 3.0 host platforms.
SSD7580 Series controllers are powered by our next-gen NVMe RAID architecture, which incorporates Broadcom's Gen4 NVMe Switch chipset to deliver uncompromised PCIe 4.0 x16 RAID and connectivity performance.  In addition, the SSD7580B features Surprise Add and Remove technology which enables true hot-swap capability for industry standard U.2 NVMe SSD's. Customers can now add or remove drives using the management interface without having to power down the system or remove the NVMe host device.
SSD7580 series NVMe RAID controllers are ideal bandwidth upgrades for Gen3 U.2 SSD's and applications that require transfer speeds between 15,000 and 24,000 MB/s. Gen3 SSD's offer as much as 25% savings over equivalent Gen 4 models, and superior PCIe 4.0 bandwidth ensures maximum performance for both RAID and non-RAID storage configurations.

### Hyper Cooling Solution Ensures Sustained Gen 4 Transfer Performance

Maximizing Gen4 NVMe storage performance without the proper implementation of modern cooling apparatus is a risky proposition. PCIe 4.0 devices and NVMe SSD's generate considerable heat under heavy load. To combat the threat of overheating, SSD7580 series controllers employ a completely new, ground-up redesign of our proven NVMe cooling system. HighPoint's Low-Noise Hyper-Cooling solution enables the SSD7580 controller to function optimally within the recommended temperature ranges, even under sustained I/O, by combining an anodized aluminum heat sink with an ultra-durable, near-silent fan, and high-conductivity thermal pad. This innovative, ultra- efficient cooling system rapidly transfers waste- heat away from critical controller componentry, without introducing unwanted distraction into your work environment.

### Comprehensive NVMe RAID Management

When it comes to maintaining critical storage configurations, each customer has specific needs and preferences.

The Web RAID Management Interface (WebGUI) is a simple, intuitive web-based management tool and is ideal for customers who are new to RAID technology.

The CLI (command line interface) is a powerful, text-only management interface designed for advanced users and professional administrators. Comprehensive user guides are available for both interfaces are available from each controller's Software Updates webpage.

Both interfaces were designed to streamline NVMe Storage Management. Customers can easily track TBW (Terabytes Written) and the temperature of each individual NVMe SSD, ensure the SSD7500 series controller is using the fastest available PCIe slot, configure an event log with email notification, and monitor the status of critical RAID configurations in person or remotely via an internet connection.

**Certified Cable Accessories**

We manufacture a selection of certified data cables for High Port Count series NVMe RAID controllers. HighPoint Certified Cable accessories are fully compliant with all current technology standards and have been rigorously tested with our SSD7580 series controller cards to ensure maximum transfer performance, secure connectivity, and ease of integration.
As we cannot guarantee secure connectivity, stability or compatibility with unqualified third-party devices or accessories, only HighPoint Certified cables and enclosures can be used with our storage products and solutions.

**TS8i-8639-060 -** SFF-8654 to U.2 SFF-8639 NVMe cable with a 15-pin SATA power connector.

**SSD7500 Series NVMe RAID Controllers and Shipping Schedule**

**SSD7580A** – PCIe 4.0 x16 / 8x U.2 Ports – MSRP USD $999.00, shipping February 15, 2021

**SSD7580B** – PCIe 4.0 x16 / 8x U.2 Ports / Integrated Hot-Plug Support– MSRP USD TBA, shipping 1st Quarter 2021

**TS8i-8639-060 –** SFF-8654 to U.2 SFF-8639 NVMe cable – MSRP USD $34.99 – Shipping February 15, 2021

**SSD7540** – PCIe 4.0 x16 / 8x M.2 Ports – MSRP USD $999.00, Shipping Now

SSD7505 – PCIe 4.0 x16 / 4x M.2 Ports – MSRP USD $599.00, Shipping now