

# SSD6444 & SSD6444A

## 4-Bay PCIe Gen3 x16 NVMe RAID Enclosures

### Blazing Fast, Small-Footprint External NVMe RAID Solutions for PCIe Gen3 Platforms

- Ultra-Compact: Only 5" tall!
- Supports up to four 2.5" U.2/U.3 NVMe SSDs
- Dedicated Host-to-Device PCIe 3.0 x16 Host Connectivity
- Up to 14,000MB/s of Transfer Performance
- RAID 0, 1, 10 & Single disk
- For Windows, Linux & macOS platforms



HighPoint's SSD6444 Series Enclosures are the industry's most compact external PCIe Gen3 NVMe RAID Solutions. 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. This enables each enclosure to deliver up to 14,000MB/s of transfer performance using just 4 NVMe SSDs! The highly secure, self-locking cables are unique to HighPoint NVMe RAID solutions, and are available in lengths up to 2 meters.



### Robust, Ultra-Quiet Cooling Solution

SSD6444 Series RAID Enclosures actively combat the threat of thermal throttling and works to ensure critical storage can remain online. The robust, aluminum chassis is equipped with a powerful, low-decibel cooling fan and ventilated drive bays, and features 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 advanced cooling system and sensor suite are designed to work in conjunction with the HighPoint WebGUI and CLI software management suites.

SHI (Storage Health Inspector) enables administrators to monitor the temperature of each NVMe SSD in real time, and configure warning thresholds to correspond with each make & model.

| Storage Health Inspector(SHI) |                      |                |    |                     |
|-------------------------------|----------------------|----------------|----|---------------------|
| Location#                     | Device Serial Number | RAID           | °F | Total Bytes Written |
| E1_1                          | S6RCNGOT500054       | RAID0_000041A7 | 98 | 205.39 TB           |
| E1_2                          | S6RCNGOT500045       | RAID0_000041A7 | 98 | 231.99 TB           |
| E1_3                          | S6RCNGOT600106       | RAID0_000041A7 | 98 | 132.89 TB           |
| E1_4                          | S6RCNGOT500053       | RAID0_000041A7 | 98 | 244.50 TB           |

| Temperature Threshold               |  |
|-------------------------------------|--|
| Set harddisk temperature threshold: | <input type="text" value=""/> °F   Set |

| SMTP Setting  |                     |
|---|---------------------|
| <input checked="" type="checkbox"/> Enable Event Notification |                     |
| Server Address (name or IP):                                  | smtp.mail.yahoo.com |
| Mail From (E-mail address):                                   | hptu@yahoo.com      |
| Login Name:   | hptu@yahoo.com      |
| Password:   | *****               |

Monitor temperature in real time

Customize thresholds to match your choice of SSD

Configure Email Notification for Alerts & Warnings

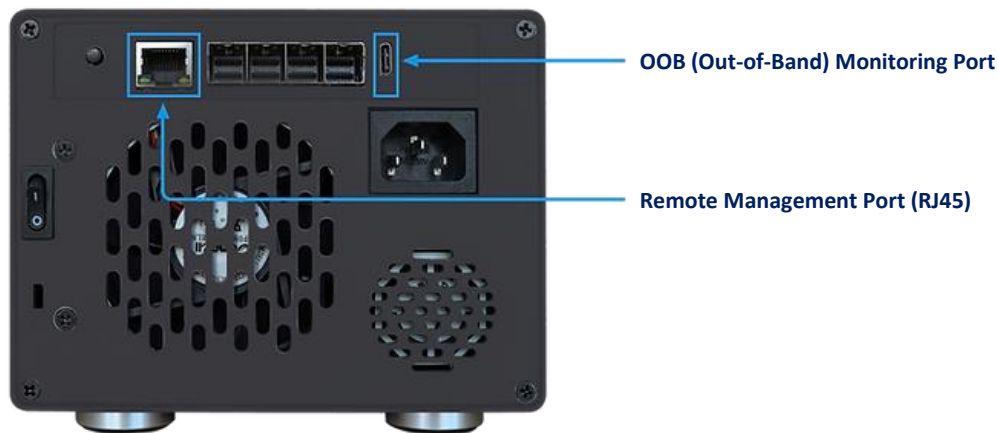


### Ultra-Compact Form Factor

Standing a mere 5 inches tall with a width of only 6 inches, the SSD6444/SSD6444A is one of the most compact 4-bay storage enclosures 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.

### 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.



### Comprehensive Management & Monitoring Suite

SSD6444 Series enclosures include a 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 or platforms 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).

**Intelligent 1-Click Self-Diagnostic 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.

|  |                                 |
|--|---------------------------------|
| <p>SSD6444/SSD6444A</p>                    |                                 |
| <p><b>Optional Accessories</b></p>         |                                 |
| <p>External SFF-8644 to SDD-8644 Cable</p> | <p>8644-8644-220 (2 meters)</p> |

| Feature Specifications                     | SSD6444  | SSD6444A   |
|--|--|--|
| Host Ports                                 | SFF-8644   |  |
| Bus Interface                              | PCIe 3.0 x16   |  |
| Data Transfer Rate                         | 8GT/s per lane   |  |
| Number of Bays/Devices                     | 4x 2.5" U.2/U.3  |  |
| Cooling System                             | Ultra-Quiet 8025 Cooling Fan with Self-Monitoring & Manual Fan Control   |  |
| Fan control interface                      | WebGUI (Browser-Based management tool) / CLI (Command Line Interface- scriptable configuration tool)   |  |
| Material                                   | AL6061 Aluminum alloy  |  |
| Dimension                                  | 6.10" W x 5.12" H x 8.27 "D  |  |
| Weight                                     | 11.46 lbs.   |  |
| Warranty                                   | 2 Years  |  |
| Supported OS:<br>(Data RAID, Non-Bootable) | Windows 11 & 10, Windows Server 2022/Server 2019/Server 2016/Server 2012 R2 / Microsoft Hyper-V  |  |
|  | RHEL/Debian/Ubuntu/Fedora/Rocky Linux (Linux kernel 3.10 and later)  |  |
|  | macOS 10.13 ~ macOS Ventura 13.x   |  |
| System Requirement                         | PC Platforms: X86 Intel/AMD based Motherboard or computing system with a free PCIe 3.0 or 4.0 x16 slot<br>Mac Platforms:   |  |
|  | <ul style="list-style-type: none"> <li>• Apple Mac Pro Systems: 2012 and later Mac Pro systems; MacPro5,1; MacPro7,1 (2019)</li> <li>• Intel &amp; Apple M1 Platform compatible</li> </ul>   |  |
| RAID Level Support                         | Single, RAID 0, 1, 10  |  |
| RAID Features                              | SMTP Email Alert Notification, Alarm Buzzer, Storage Health Inspector, NVMe SMART status, Automatic and configurable RAID Rebuilding Priority, Auto resume incomplete rebuilding after power on or reboot system   |  |
| Compliance Certification                   | CE, FCC, RoHS, REACH, WEEE   |  |
| Front Panel                                |  |  |
| LED Indication                             | Device Status, PCIe Status, RAID Status, Fan Status, Connection Status   |  |
| Back Panel                                 |  |  |
| Ethernet Network port                      | 1 Ethernet RJ45 port, DHCP or static IP address assignment, dashboard and Web browser-based management   |  |
| OOB Port                                   | Can be used to update the firmware version of the Enclosure chipset and check the device status  |  |
| Mute button                                | Mutes the audible alarm associated with the following: Host communication (secure cable connection), temperature warning (if higher than 55 °C), fan speed warning (below 250 rpm or fan failure)  |  |
| AC power input                             | AC INPUT: 100-240V ~ 5A 50/60Hz; DC OUTPUT: 250W   |  |
| Power Switch                               | Enclosure power switch   |  |
| Safety Lock                                | Kensington Lock  |  |
| Operation Environment                      |  |  |
| Temperature                                | (operating) 5°C – 45°C / (non-operating) -40°C – 65°C  |  |
| Operating voltage                          | PCI-e: 12V, 3.3V   |  |
| Kit Contents                               | SSD6444  | SSD6444A   |
|  | <ul style="list-style-type: none"> <li>• 1x Quick Installation Guide</li> <li>• 1x 4-Bay Enclosure</li> <li>• 20x 2.5" SSD mounting screws</li> <li>• 1x PCIe 3.0 x16 controller (external SFF-8644 port)</li> <li>• 4x Drive Trays</li> <li>• 1x UL Power Cord</li> <li>• 2x Mini-SAS 8644-8644-210 Cables</li> <li>• 1x Low Profile Bracket</li> </ul> | <ul style="list-style-type: none"> <li>• 1x Quick Installation Guide</li> <li>• 1x 4-Bay Enclosure</li> <li>• 20x 2.5" SSD mounting screws</li> <li>• 1x PCIe 3.0 x16 controller (external SFF-8644 port)</li> <li>• 4x Drive Trays</li> <li>• 1x UL Power Cord</li> <li>• 2x Mini-SAS 8644-8644-220 Cables</li> <li>• 1x Low Profile Bracket</li> </ul> |
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