

SSD6444 Series

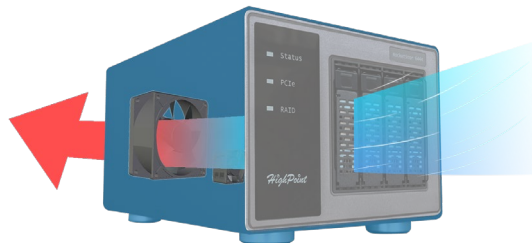
4-Bay PCIe Gen3 x16 NVMe RAID Enclosures

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

- Ultra-Compact: Less than 5" tall!
- Supports up to four 2.5" U.2/U.3 or M.2 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

Monitor temperature in real time

Temperature Threshold

Set harddisk temperature threshold: °F [Set]

Customize thresholds to match your choice of SSD

SMTP Setting

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: *****

Configure Email Notification for Alerts & Warnings



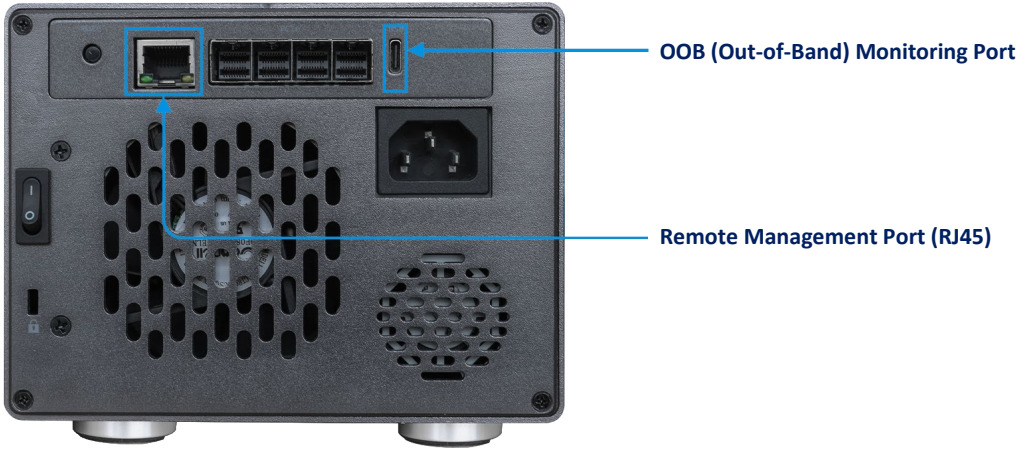
Ultra-Compact Form Factor

At less than 5 inches tall, and only 6 inches wide, the SSD6444 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.

Dedicated x4 Lanes Per SSD!

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/SSD6444M</p>	<p>The image shows the SSD6444/SSD6444M enclosure and an external SFF-8644 to SDD-8644 cable. The enclosure is a black rack-mountable unit with a control panel on the front. The cable is a green printed circuit board (PCB) with a fan and multiple connectors.</p>
<p>Optional Accessories</p>	
<p>External SFF-8644 to SDD-8644 Cable</p>	<p>8644-8644-210 (1 meter), 8644-8644-220 (2 meters)</p>

Feature Specifications	SSD6444	SSD6444M
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	4x M.2 (2240/2260/2280)
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	
Enclosure Weight	5.20 lbs.	
Warranty	1 Year	
Supported OS: (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	Motherboard or computing system with a free PCIe 3.0 or 4.0 x16 slot Mac Platforms: <ul style="list-style-type: none"> • Apple Mac Pro System • Intel & Apple M1 Platform compatible 	
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	SSSD6444M
	<ul style="list-style-type: none"> • 1x Quick Installation Guide • 1x RS6444 Enclosure • 20x 2.5 SSD mounting screws • 4x Drive Trays • 1x UL Power Cord • PCIe 3.0 x16 adapter card 	<ul style="list-style-type: none"> • 1x Quick Installation Guide • 1x RS6444 Enclosure • 20x 2.5 SSD mounting screws • 4x Drive Trays • 4x U.2 to M.2 Adapters • 1x UL Power Cord • PCIe 3.0 x16 adapter card