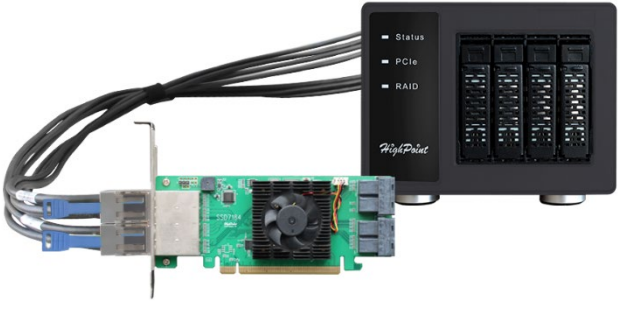
HighPoint Technologies, Inc.

SSD6444

4-Bay U.2/M.2 NVMe RAID Enclosure



Quick Installation Guide

V1.00

SSD6444 Overview

The SSD6444 is a compact, high-performance NVMe RAID storage solution for PC and Mac platforms. Each of the 4 drive bays features dedicated PCIe 3.0 x4 bus bandwidth to ensure each NVMe SSD operates at peak performance. Any PC or Mac platform with a free, dedicated PCIe 3.0 /4.0 x16 slot can now experience the true performance capabilities of NVMe technology.

System Requirements

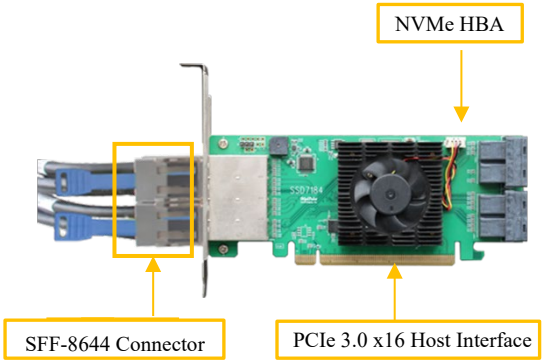
- Windows 11, 10 / Server 2022, 2019, 2016, 2012R2 / Microsoft Hyper-V
- RHEL/Debian/Ubuntu/Fedora/Proxmox/Xenserver/Rocky Linux (Linux kernel 3.10 and later)
- Arch Linux (Kernel 5.17.5 and above)
- macOS 10.13.6 ~ macOS 13.x

Kit Contents

- 1x RS6444
- 1x PCIe 3.0 x16 RAID Controller
- 2x Mini-SAS 8644-8644-210 cable (1 meter)
- 4x Drive Trays
- 1x UL Power Cord
- 20x 2.5" SSD mounting screws
- 1x Quick Installation Guide

SSD6444 Hardware

Controller card



RS6444 Panel Layout-Front View

HighPoint logo LED:

Solid Blue： Power on

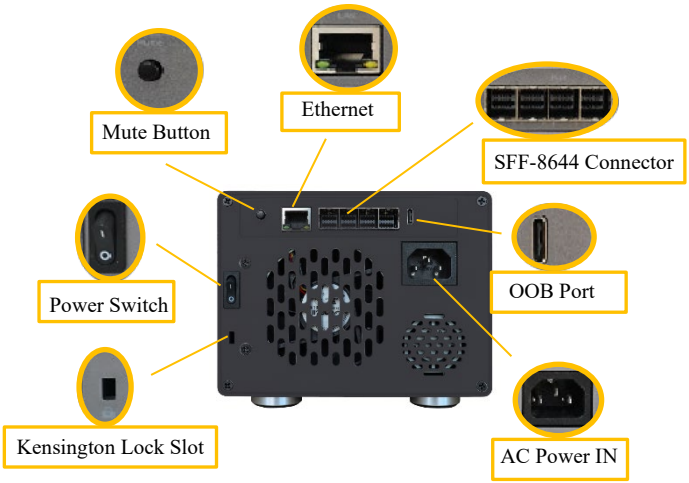
Status LED:

Solid Blue： Normal status
Solid Red： The temperature exceeds the Critical Threshold
Flash Red： The fan speed is lower than the Critical Threshold
Flash Yellow： The temperature exceeds the Warning Threshold or the fan speed is lower than the Warning Threshold

Tray LED：

Lights out： The disk is not detected, or the disk adapter (U.2 to M.2) LED is not responding
Solid Blue： The disk is detected
Blue, flashing： Disk I/O
Solid Red： The disk has failed

RS6444 Panel Layout-Rear View



Kensington Lock Slot: Optional slot for Kensington Lock

Power Switch: Enclosure power switch

Mute Button: Mute the internal enclosure alarm buzzer

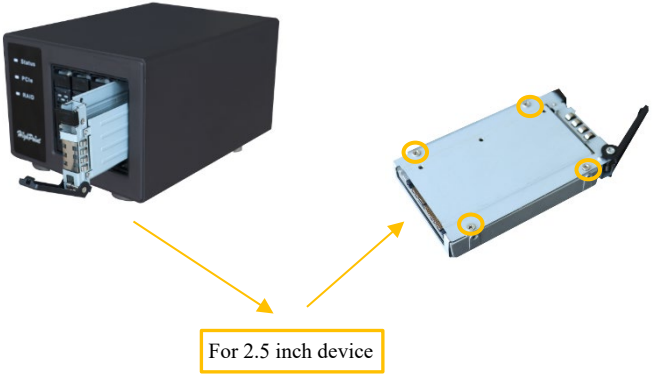
Ethernet： Can be used monitor the SSD6444 via an internet connection

4x SFF-8644 Connector: SFF-8644 cable connector for the NVMe HBA connection

OOB Port (out-of-band): Implements the virtual serial port function, through which you can obtain the network IP address

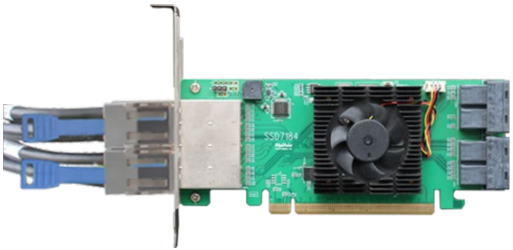
AC Power IN: Connects to the AC power cord

Disk Tray



SSD6444 Hardware Installation

1. SFF-8644 to SFF-8644 cable connects to the SFF-8644 connector on the left side of the NVMe HBA;



2. The other end of the SFF-8644 to SFF-8644 connects to the RS6444 SFF-8644 connector as illustrated below (a to a, and b to b), RS6444 connects to U.2 NVMe, and connect to AC power;

Channel/ Port assignment:

3. Connect the SSD6444's HBA into the PCIe 3.0/4.0 x16 slot of the motherboard;

Note: *Make sure the NVMe SSDs are installed prior to powering on and using the enclosure!*

Optional Certified Cable & Controller Accessories

Device Cables	
8644-8644-220 	SFF-8644 to SFF-8644 cable Length: 2M
U.2 to M.2 Tray	
	For M.2 PCIe NVMe SSDs PCIe M.2 Drive to 2.5" U.2(SFF-8639) Host Adapter – M.2 SSD Converter

Resources

A variety of manuals, guides and FAQs are available for the SSD6444 RAID controller.
In addition, we recommend visiting the Software Downloads webpage for the latest drivers, management interfaces, and installation guides.

Software Download:

https://www.highpoint-tech.com/ssd6444-overview

Certified Accessories:

https://www.highpoint-tech.com/nvme-accessories

FAQ & Troubleshooting:

https://www.highpoint-tech.com/support-and-services

Customer Support

If you encounter any problems while utilizing the SSD6444, or have any questions about this or any other HighPoint Technologies, Inc. product, feel free to contact our Customer Support Department or check our FAQ for more information.

Web Support:

https://www.highpoint-tech.com/support-and-services

HighPoint Technologies, Inc. websites:

https://www.highpoint-tech.com