

# SSD6444

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



## Quick Installation Guide

V1.01

## **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**

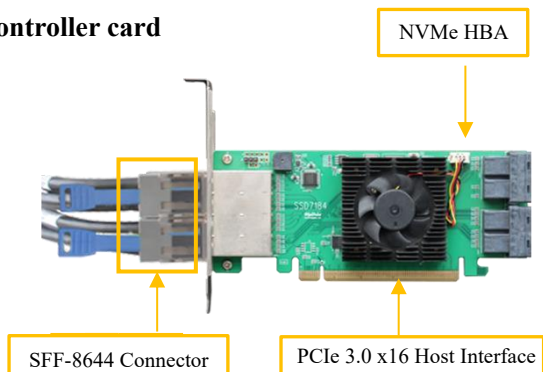
- Windows 11, 10 / Server 2022, 2019, 2016 / Microsoft Hyper-V
- RHEL/Debian/Ubuntu/Fedora/Proxmox/Rocky Linux  
(Linux kernel 3.10 and later)
- macOS 10.13.6 ~ macOS 13.x

## Kit Contents

- 1x 4-Bay NVMe RAID Enclosure
- 1x PCIe 3.0 x16 RAID Controller
- 2x Mini-SAS 8644-8644-210 cables
- 4x Drive Trays
- 1x UL Power Cord
- 20x 2.5" SSD mounting screws
- 1x Low Profile Bracket
- 1x Quick Installation Guide

## SSD6444 Hardware

### Controller card



## Enclosure 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

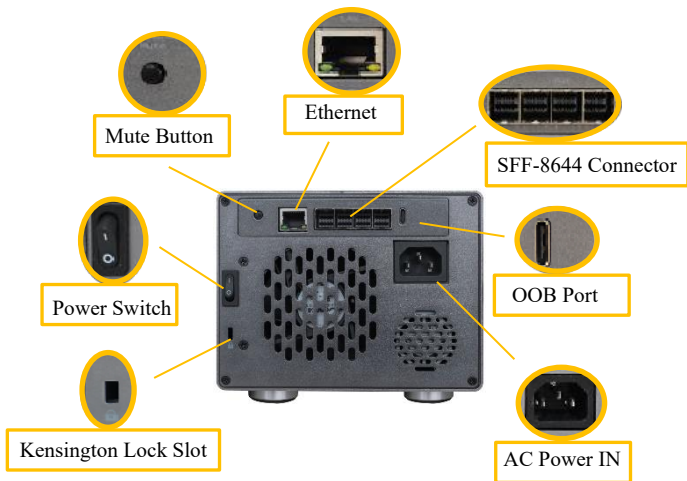
**Lights out:** The disk is not detected, or the disk adapter (U.2 to M.2) LED is not responding

**Solid Blue:** The disk is detected

**Blue, flashing:** Disk I/O

**Solid Red:** The disk has failed

## Enclosure 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

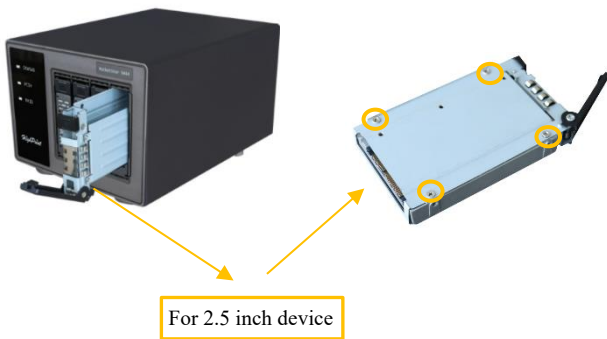
**Ethernet:** Can be used monitor the SSD6444 via an internet connection

**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

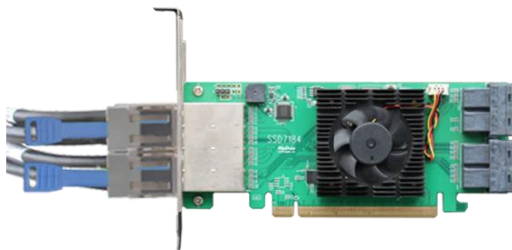
**AC Power IN:** Connects to the AC power cord

## 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 Enclosure SFF-8644 connector as illustrated below (a to a, and b to b), the Enclosure 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

## 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/nvme-2/ssd6444>

### **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>