

SSD6540

4-Bay U.2 NVMe RAID Enclosure



Quick Installation Guide

V1.06

System Requirements

PC Requirements

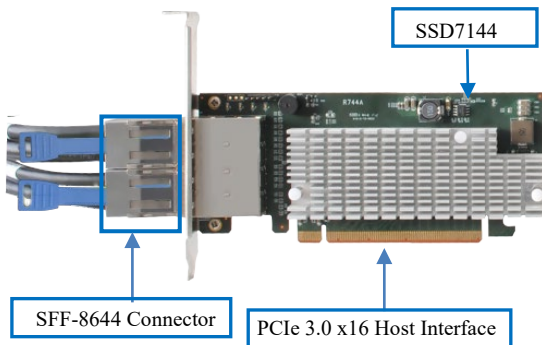
- Windows 11, 10 / Server 2022, 2019, 2016, 2012R2 / Microsoft Hyper-V
- RHEL/Debian/Ubuntu/Fedora/Proxmox/Xenserver/Rocky Linux (Linux kernel 3.10 and later)
- Arch Linux (Kernel 5.17.5 and above)
- macOS 10.13.6 ~ macOS 13.x

Kit Contents

- 1x 4-Bay Tower Enclosure
- 1x PCIe 3.0 x16 RAID Controller
- 4x Drive Trays
- 2x HD mini-SAS cable (1 meter)
- 1x UL Power Cord
- 16x 2.5" SSD mounting screws
- 1x Quick Installation Guide

SSD6540 Hardware

Controller Card



RS6540S Panel Layout-Front View



Disk Present LED:

Disk Active LED:

Disk Fail LED:

Disk Rebuilding LED:

Disk Identify LED:

Enclosure Power LED:

Temperature Warning LED:

Fan/Temperature Fail LED:

Solid Blue

Flash Blue

Solid Red

Flash Red

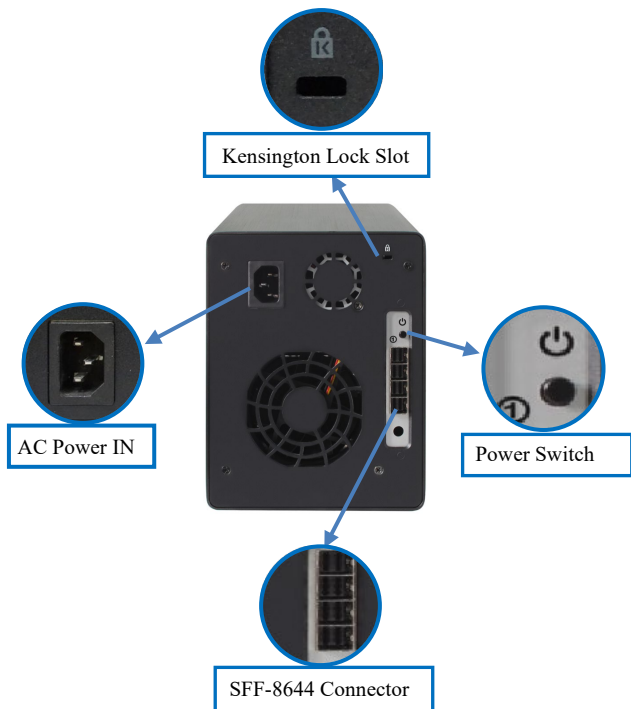
Flash Blue and Red

Solid Blue

Solid Yellow

Solid Red

RS6540S Panel Layout-Rear View



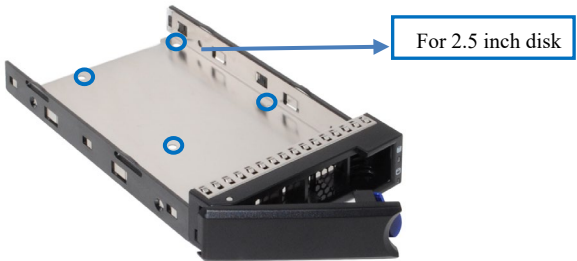
SFF-8644 Connector: SFF-8644 cable connector for HBA connection

Kensington Lock Slot: Optional slot for Kensington Lock

AC Power IN: Connecting AC power cord

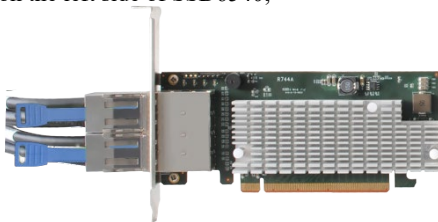
Power Switch: Enclosure power switch

Disk Tray



SSD6540 Hardware Installation

1. SFF-8644 to SFF-8644 cable connects to the SFF-8644 connector on the left side of SSD6540;



2. The other end of the SFF-8644 to SFF-8644 connects to the RS6540S SFF-8644 connector as illustrated below (a to a, and b to b), RS6540S connects to U.2 NVMe, and connect to AC power;
***Note:** Please make sure all disks are clean before you insert the Controller card into the slot to avoid unexpected situations.*



The channel of the RAID Controller is displayed as follows:



3. Connect SSD6540 into the PCIe 3.0/4.0 x16 slot of the motherboard;

Note: Please be sure to connect NVMe before using the product to reduce the occurrence of unnecessary errors!

Note: Install the driver in the system first and then install the board!

Optional Certified Cable Accessories

Device Cables

8644-8644-220



SFF-8644 to SFF-8644 cable

Length: 2M

Resources

A variety of manuals, guides and FAQ's are available for the SSD6540 RAID controller.

In addition, we recommend visiting the Software Downloads webpage for the latest drivers, management interfaces, and installation guides.

For Software Downloads, Documentation and more information about this product, please visit the following website:

<https://www.highpoint-tech.com/ssd6540-overview>

Certified Accessories:

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

FAQ & Troubleshooting:

[FAQ - HighPoint Technologies, Inc. \(helpjuice.com\)](#)

Customer Support

If you encounter any problems while utilizing the SSD6540, 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>

© Copyright 2022 HighPoint Technologies, Inc. All rights reserved.