11/13/19	Shorten to 8 pages	

SSD6540M

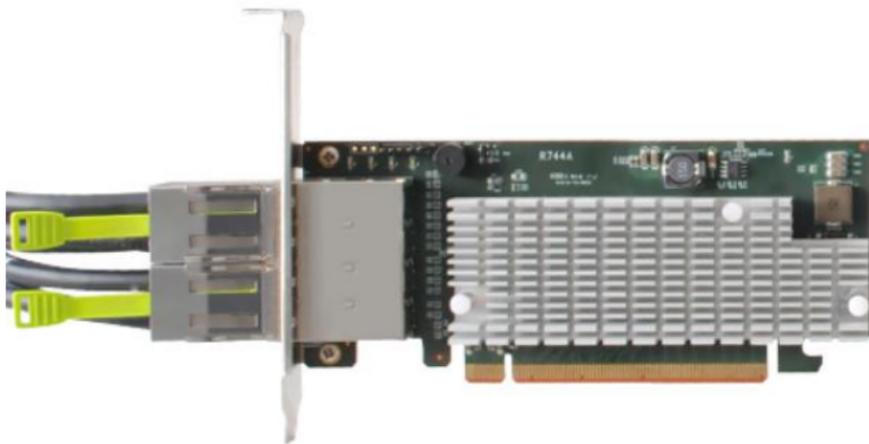4-Bay M.2 NVMe RAID Enclosure

Quick Installation Guide

V1.02

Kit Contents

- 1x 4-Bay Tower Enclosure
- 1x PCIe 3.0 x16 RAID Controller
- 4x Drive Trays
- 4x M.2 Drive to U.2 Host Adapter
- 2x HD mini-SAS cable (1 meter)
- 1x UL Power Cord
- 1x Quick Installation Guide

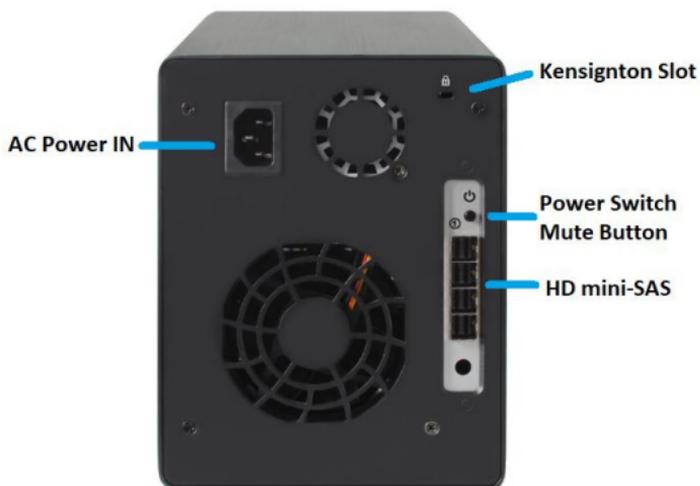## SSD6540M Hardware

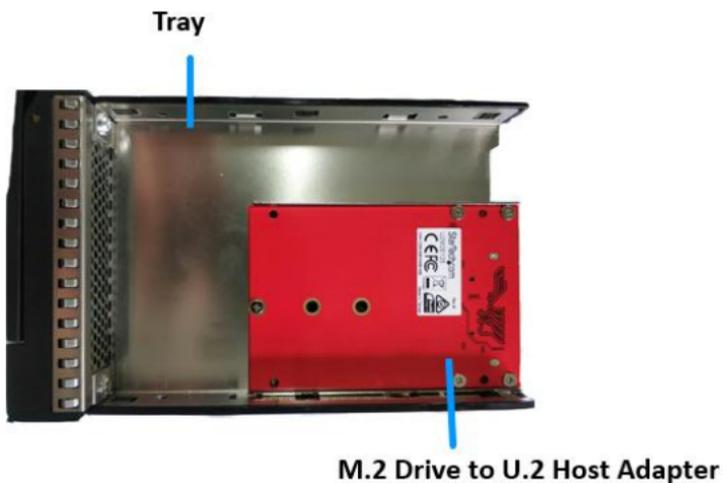**Controller Card**

Back Port: SFF-8644

Panel Layout-Front View

Disk Present LED:	Solid Blue
Disk Active LED:	Flash Blue
Disk Fail LED:	Solid Red
Enclosure Power LED:	Solid Blue
Temperature Warning LED:	Solid Yellow
Fan/Temperature Fail LED:	Solid Red

Panel Layout-Rear View

- Kensignton Slot
- AC Power IN
- Power Switch
- Mute Button
- HD mini-SAS

M.2 Drive to U.2 Host Adapter and Tray

Tray

M.2 Drive to U.2 Host Adapter

System Requirements

PC Requirements

- Windows 10 or later

- Windows Server 2012 R2 or later

- macOS 10.12 or later

- Linux Kernel 3.3 or later

Enclosure Setup

1. Insert the Controller card into a PCIe x16 slot in your system.
2. Place the SSD6540M enclosure on a level surface and remove each disk tray.
3. Remove the 'M.2 Drive to U.2 Host Adapter' from the disk tray.
4. Connect NVMe M.2 to 'M.2 Drive to U.2 Host Adapter'.
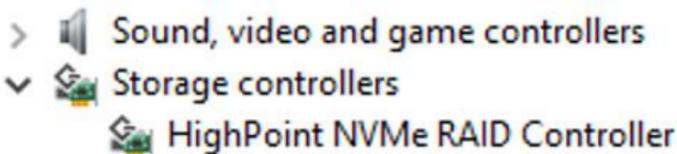

5. Carefully insert the 'M.2 Drive to U.2 Host Adapter' into each disk tray and secure them with the provided mounting screws.

6. After installing the hard drives, connect the SSD6540M to a power source.
7. With the power cord connected to the power source, turn on the SSD6540M using the power button on the rear panel (click the button to power on the SSD6540M).
8. Connected the SSD6540M to the Controller Card with the HD mini-SAS cable.

Setting up the SSD6540M

1. Driver Installation for Windows
   1) Boot up the Windows operating system.
   2) Download the Windows driver package from the HighPoint website:
      http://highpoint-tech.com/USA_new/series-ssd6540m-download.htm
   3) Extract the package and click the setup.exe program to install the driver. The installation program will install the SSD6540M Driver, automatically.
   4) If prompted by Windows, reboot the system after the driver is installed to complete installation.
   5) After reboot the Windows, open **Device Manager**.
      A HighPoint NVMe RAID Controller entry should appear under **Storage Controllers**

      > 🎚 Sound, video and game controllers
2. D ∨ 🗄 Storage controllers
   r   🗄 HighPoint NVMe RAID Controller
   i

   ver Installation for macOS
   1) Download the Mac driver package from the HighPoint website:
      http://highpoint-tech.com/USA_new/series-ssd6540m-download.htm

2) Once downloaded, locate the folder you downloaded the driver to and double click on the file named "HighPointNVMe"

HighPointNVMe

3) The file will be mounted onto the operating system, click on HighPointNVMe.pkg located on the mounted drive.

HighPointNVMe.pkg   Install_macOS_HighPointNV   readme.txt
                     Me_Driver_Guide

4) Please refer to the installation guide to complete the driver installation.

3. Driver Installation for Linux

   1) Please download the Linux Software Package from the HighPoint Website:
      http://highpoint-tech.com/USA_new/series-ssd6540m-download.htm
   2) Please follow the Linux Installation guide included with the software package to install and setup the SSD6540M.

4. Install the HighPoint RAID Management software.

   1) Download the HighPoint RAID Management Software (WebGUI) from HighPoint Website:
      http://highpoint-tech.com/USA_new/series-ssd6540m-download.htm
   2) Extract the package and double Click the Installation program to start installing the WebGUI
   3) Follow the on-screen instructions to complete the installation procedure.

5. Setting up a RAID Array

An array is a collection of physical disks that will be seen as one virtual drive by your Operating System (OS).

To create an array:

1) Log into the WebGUI.
2) Click **Logical > Create Array** to go to the array configuration page and follow the steps prompted on the page

Warning: Using the WebGUI to create RAID arrays will destroy all pre- existing data on the selected disks. Make sure to backup any important data before using these disks to create arrays.

(For more information, refer to the SSD6540M user manual posted online)

Customer Support

If you encounter any problems while utilizing the SSD6540M, 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: http://www.highpoint-tech.com/websupport/

HighPoint Technologies, Inc. websites:
http://www.highpoint-tech.com