



SSD6540

4-Bay U.2 NVMe RAID Enclosure

Quick Installation Guide

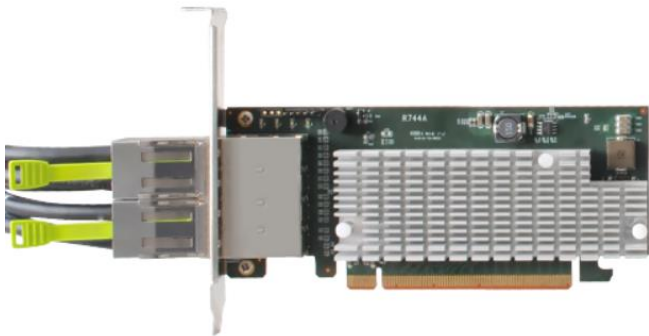
V1.03

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

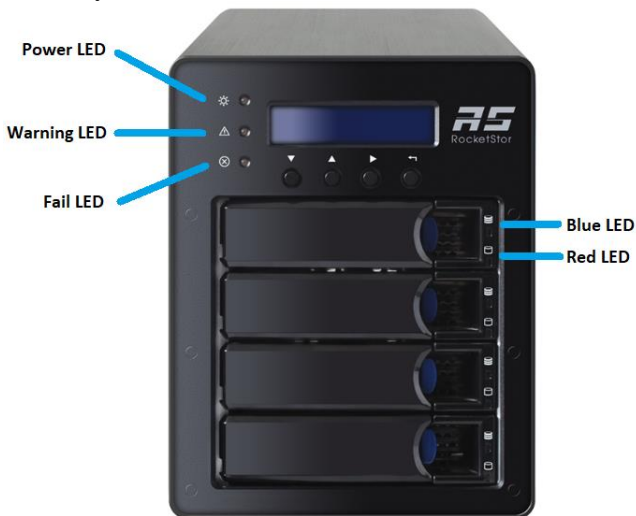
SSD6540 Hardware

Controller Card



Back Port: SFF-8644

Panel Layout-Front View



Disk Present LED:

Solid Blue

Disk Active LED:

Flash Blue

Disk Fail LED:

Solid Red

Disk Rebuilding LED:

Flash Red

Disk Identify LED:

Flash Blue and Red

Enclosure Power LED:

Solid Blue

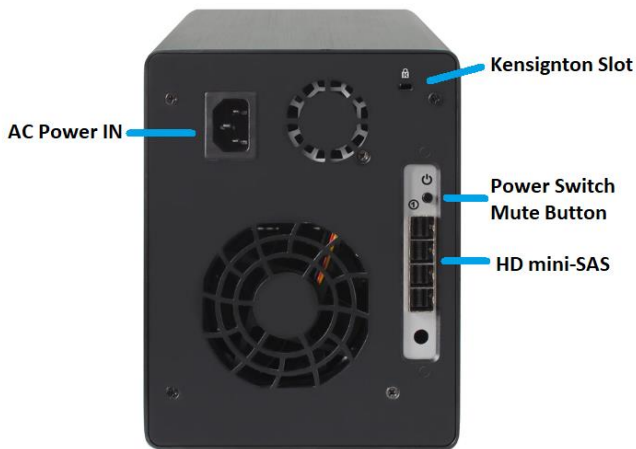
Temperature Warning LED:

Solid Yellow

Fan/Temperature Fail LED:

Solid Red

Panel Layout-Rear View



System Requirements

PC Requirements

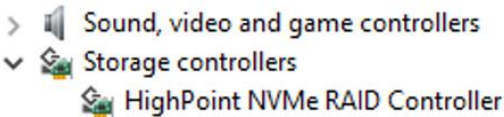
- Windows 10 or later
- Windows Server 2012 R2 or later
- macOS 10.13 or later
- Linux Kernel 3.3 or later

Enclosure Setup

1. Insert the Controller card into a PCIe x16 slot in your system.
2. Place the SSD6540 enclosure on a level surface and remove each disk tray.
3. Carefully insert the 2.5” disk into each disk tray and secure them with the provided mounting screws.
4. After installing the hard drives, connect the SSD6540 to a power source.
5. With the power cord connected to the power source, turn on the SSD6540 using the power button on the rear panel (click the button to power on the SSD6540).
6. Connected the SSD6540 to the Controller Card with the HD mini-SAS cable.

Setting up the SSD6540

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-ssd6540-download.htm
 - 3) Extract the package and click the setup.exe program to install the driver. The installation program will install the SSD6540 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**

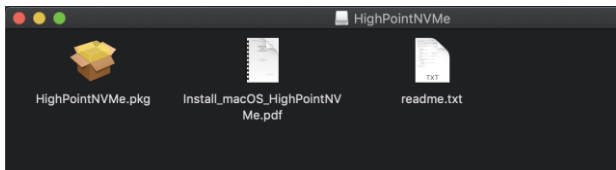


2. Driver Installation for macOS

- 1) Download the Mac driver package from the HighPoint website:
http://highpoint-tech.com/USA_new/series-ssd6540-download.htm
- 2) Once downloaded, locate the folder you downloaded the driver to and double click on the file named “HighPointNVMe”



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



- 4) Follow the on-screen instructions to continue the installation.
- 5) Reboot the computer when finished.

3. Driver Installation for Linux

- 1) Please download the Linux Software Package from the HighPoint Website:
http://highpoint-tech.com/USA_new/series-ssd6540-download.htm
- 2) Please follow the Linux Installation guide included with the software package to install and setup the SSD6540.

4. Install the RocketStor Management software.

- 1) Download the RocketStor Management Software (WebGUI) from HighPoint Website:

http://highpoint-tech.com/USA_new/series-ssd6540-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. Quickly 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: *(You will need at least 1 NVMe connected to for the WebGUI to connect to the unit)*

- 1) Log into the WebGUI.
- 2) Click **Quick Config.** > **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.*

Overview Quick Config. Advanced Config. Settings Event SHI Help

Array configure Wizard

1 Choose RAID level 2 Select Disk Type 3 Finish

Choose RAID Level:
(Please select "Advanced Config." to create RAID10/50)

RAID 5 **Speed & Security. Protects against 1 drive failure**
 RAID 1 **2 Disks Mirror.**
 RAID 0 **Maximum Performance. No protection.**
 JBOD(Volume) **Just a Bunch Of Disks (optimizes capacity).**

Next

(For more information, refer to the SSD6540 user manual posted online)

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: <http://www.highpoint-tech.com/websupport/>

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