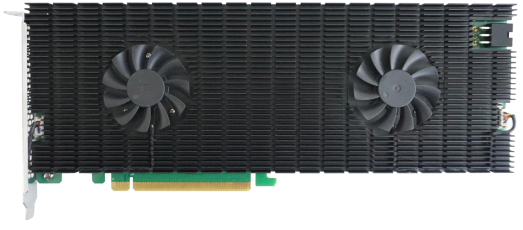
HighPoint Technologies, Inc.

SSD7140A

8x M.2 Port to PCIe 3.0x16 NVMe RAID Controller



Quick Installation Guide

V1.03

System Requirements

PC Requirements

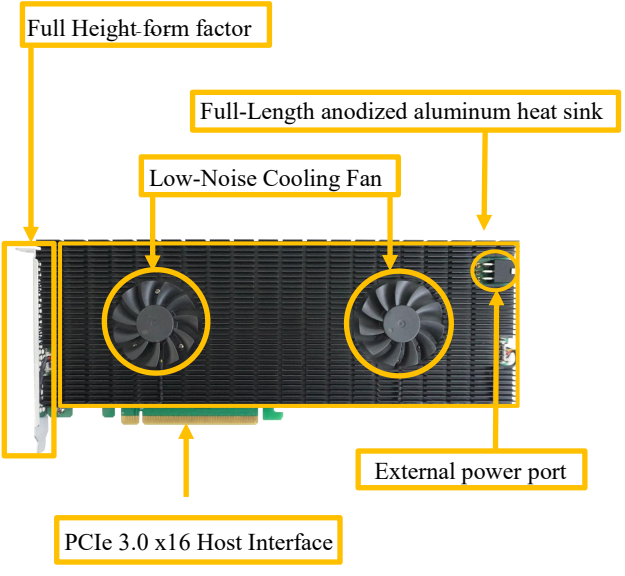
- System with a free PCIe3.0 (4.0 or 5.0) x16 slot
- Windows 10 and later
- Windows Server 2016 and later
- RHEL/ Debian/ Ubuntu/ Fedora/ Proxmox/ Rocky Linux
- macOS

SSD7140 Kit Content

- SSD7140A Controller Card
- Quick Installation Guide

SSD7140A Hardware

Front View

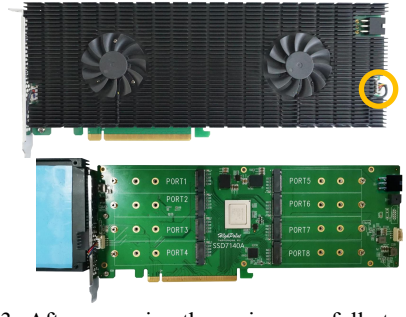


Hardware Installation

Step 1. On the rear of the SSD7140A, remove the six screws that secure the unit's heat sink to the PCB.

Step 2. Carefully remove fan's power cable from the right-side of the heatsink as shown below, then carefully flip the heatsink to the left (like turning a page from a book).

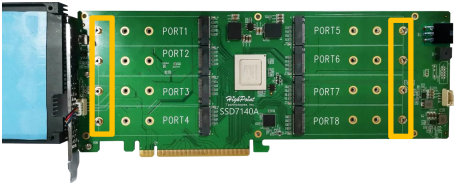
Note: *Take care when moving the heatsink to prevent damaging the left fan's power cable.*



Step 3. After removing the casing, carefully turn it over to view the thermal pad. The blue films must be removed from the pad before

reinstalling the panel. These films protect the pad from damage and foreign objects prior to installation, however, they will also prevent the thermal pad from conducting the heat away from the NVMe SSD's if we don't remove it.

Step 4. These 8 screws are used to install the NVMe SSD’s.



Step 5. Please remove these screws from each of the M.2 slots.

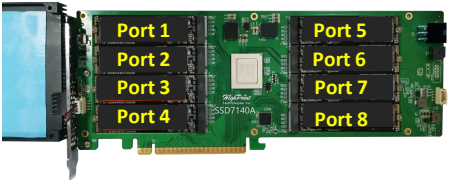
Step 6. Gently insert the SSD into the slot.

Note: *Please make sure all disks are clean before you insert them into the slot to avoid unexpected situations.*

Step 7. Refasten the screw to secure the SSD.

Repeat Steps 5 to 7 to install the remaining SSDs.

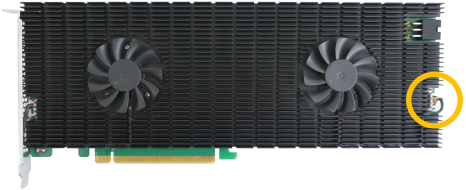
The following example shows eight M.2 NVMe SSDs installed into Ports 1-8:



Step 8. After installing all SSDs, carefully flip the heatsink to the right.

Note: *Make sure the SSDs are carefully, but securely installed into each M.2 port. Loose connections can cause a variety of stability and performance issues, and may ultimately result in data loss.*

Step 9. Carefully reinsert in the power supply cable of the cooling fan that was removed in step 2.

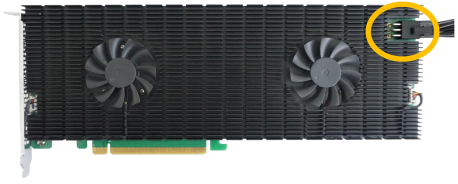


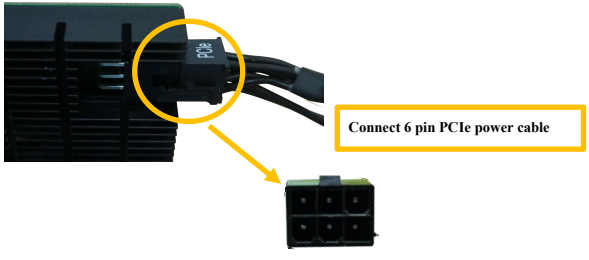
Step 10. On the rear of the SSD7140A, refasten the 6 screws that were removed in step 1.

Note： *Make sure the aluminum cover is properly aligned with the controller board (PCB), and that it makes full contact with the thermal pad, before refastening it to the SSD7140A. If the cover is improperly installed, the fan and thermal pad will be unable to sufficiently cool the NVMe SSD's and controller componentry, which may result in damage to the SSD's or controller hardware, performance loss, unstable I/O, and the loss of data.*

Step 11. Insert the SSD7749M2 into the system's open PCIe x16 slot.

Note: *In case the motherboard PCIe slot has insufficient power, connect the 6-pin PCIe power cable to the external power connector on the right side of the SSD7140A before turning on the system's power.*





Resources

A variety of manuals, guides and FAQ's are available for the SSD7140A 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/nvme2/ssd7140a

FAQ & Troubleshooting:

FAQ - HighPoint Technologies, Inc. (helpjuice.com)

Customer Support

If you encounter any problems while utilizing the SSD7140A, or have any questions about this or any other HighPoint Technologies, Inc. product, feel free to contact our Customer Support Department.

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

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