HighPoint
Technologies, Inc.

SSD7749M2

16x M.2 Port to PCIe 4.0 x16 NVMe RAID AIC

Quick Installation Guide

V1.01

System Requirements

PC Requirements

- PC platform with a free physical PCIe 4.0 (3.0 or 5.0) x16 slot
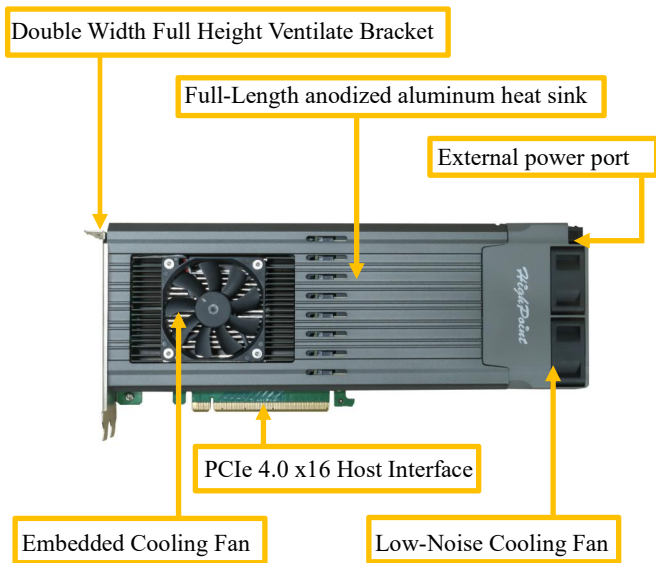- Form factor: Full-Height, Full-Length, Dual-Width

Operating System

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

Kit Content

- 1x SSD7749M2
- 1x Quick Installation Guide
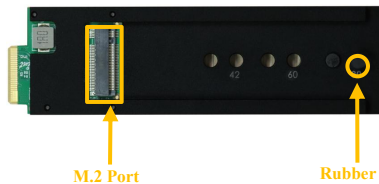- 16x M.2 Rubbers

SSD7749M2 Hardware

Front View

Double Width Full Height Ventilate Bracket

Full-Length anodized aluminum heat sink

External power port

PCIe 4.0 x16 Host Interface

Embedded Cooling Fan

Low-Noise Cooling Fan

NVMe SSD Tray - Front View

M.2 Port

Rubber

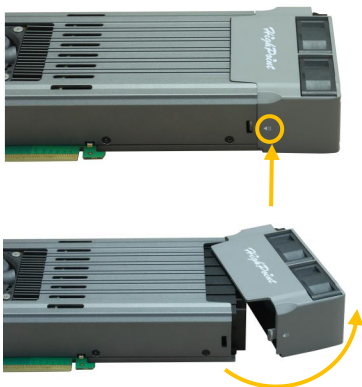## NVMe SSD Tray - Rear View

M.2 Port

Rubber

Hardware Installation

Step 1. Use a wired ESD wrist strap that is properly grounded.

Step 2. Unpack and remove the SSD7749M2 and check it for damage.
If it appears damaged, please get in touch with HighPoint Technical Support.

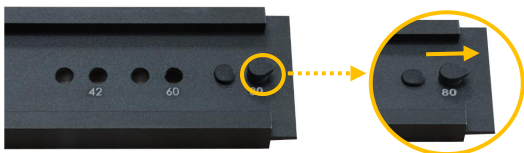Step 3. Apply pressure at the mark to release the lock, and turn it counterclockwise.

Warning: *Please pay attention to opening the fan module carefully to avoid causing damage to the fan module.*
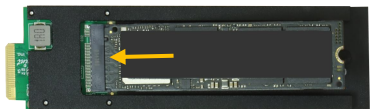
Step 4. Gently remove the NVMe SSD Tray from the SSD7749M2.

Step 5. Confirm the direction of the rubber (pointing to the right).

Step 6. Gently insert the NVMe SSD into the M.2 port of the NVMe SSD Tray.

Notes:
Ensure the NVMe SSD contacts ("golden fingers") are clean before installation.
The SSD can be installed in front or rear of each NVMe SSD tray.

Step 7. Press the right side of the rubber to align it and insert it
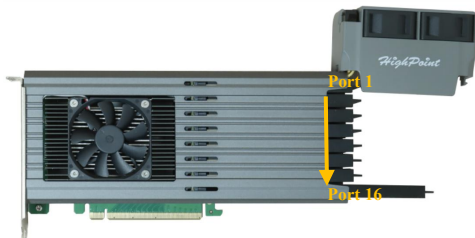into the retention hole on the end of the NVMe SSD.

Step 8. Rotate the direction of the rubber so that it points to the
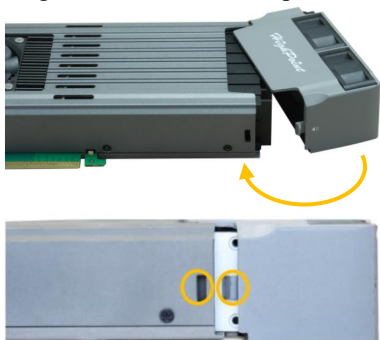left to better secure the NVMe SSD.

Step 9. After installing all NVMe SSDs, carefully insert the
NVMe SSD Trays into the slots.

Note: Ensure the NVMe SSD Tray is carefully but securely mounted to each port. Loose connections can cause various stability and performance issues and may ultimately result in data loss.

Step 10. Align the fan module and press down to secure.

Note: Ensure the fan module is aligned correctly with the AIC board (PCB). If the fan module is improperly installed, the fan will not sufficiently cool the NVMe SSDs and AIC

componentry, which may damage the NVMe SSDs or AIC hardware, performance loss, unstable I/O, and data loss.

Step 11. Shut down the system and disconnect the AC power cord.

Step 12. Insert the SSD7749M2 into the system's open PCIe x16 slot.

Step 13. When finished, turn on the power to the system.

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 SSD7749M2 before turning on the system's power.
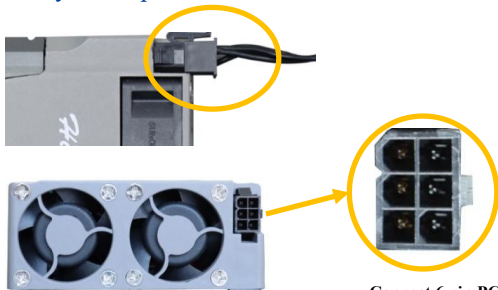
Connect 6 pin PCIe power cable

Resources

Various manuals, guides, and FAQs are available for the SSD7749M2 NVMe RAID AIC. In addition, we recommend visiting the Software Downloads webpage. For the latest drivers and RAID Management software.

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

https://www.highpoint-tech.com/nvme-individual/ssd7749m2

FAQ & Troubleshooting:

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

Customer Support

If you encounter any problems while utilizing the SSD7749M2 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