HighPoint
Technologies, Inc.

SSD7749M

8x M.2 Port to PCIe 4.0 x16 NVMe RAID Controller

Quick Installation Guide

V1.03

System Requirements
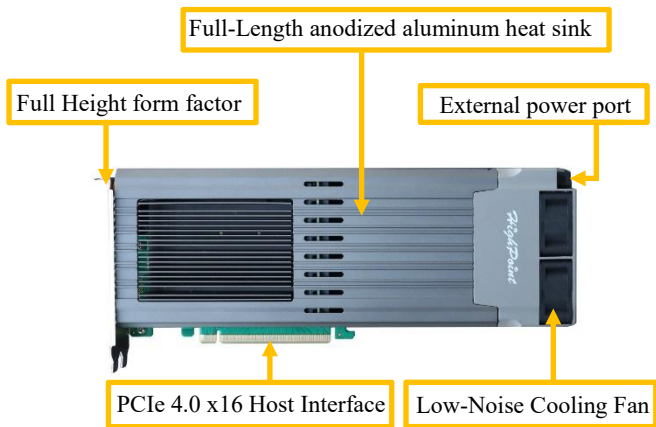
PC Requirements

- System with a free PCIe4.0 (or 3.0) x16 slot

- Windows 10 and later

- Windows Server 2016 and later

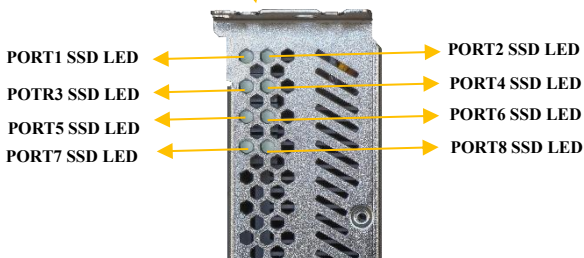- RHEL/ Debian/ Ubuntu/ Fedora/ Proxmox/ Rocky Linux

- macOS

Kit Content

- SSD7749M Controller Card

- Quick Installation Guide

SSD7749M Hardware

Front View

Full-Length anodized aluminum heat sink

Full Height form factor

External power port

PCIe 4.0 x16 Host Interface

Low-Noise Cooling Fan

PORT1 SSD LED	PORT2 SSD LED
PORT3 SSD LED	PORT4 SSD LED
PORT5 SSD LED	PORT6 SSD LED
PORT7 SSD LED	PORT8 SSD LED

SSD LED

- **Green flashing:** The disk is doing I/O.
- **Solid Red:** The disk has failed.

Hardware Installation

Step 1. Apply pressure to release the lock, turn it counterclockwise, and remove the tray.

> *Warning: Please pay attention to opening the fan module carefully to avoid causing damage to the fan module.*

Step 2. Loose the screw and remove the film.

Step 3. Gently insert the NVMe SSD into the tray.

Note: Ensure the NVMe SSD contacts ("golden fingers") are clean before installation.

Step 4. Refasten the screw to secure the NVMe SSD.

Step 5. After installing all SSDs, carefully insert the trays into the slots.

Repeat Steps 1 to 5 to install the remaining NVMe SSDs.

The following example shows eight Gen4 SSDs installed into Ports 1-8:

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

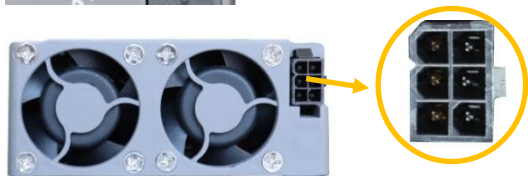Step 4. Align the fan module and press down to secure.

Step 5. Shut down the system and disconnect the AC power cord.
Step 6. Insert the SSD7749M into an available PCIe slot.
Step 7. 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 SSD7749M before turning on the system's power.

Connect 6 pin PCIe power cable

Resources

Various manuals, guides, and FAQs are available for the SSD7749M 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/nvme1/ssd7749m

FAQ & Troubleshooting:

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

Customer Support

If you encounter any problems while utilizing the SSD7749M 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