

SSD7749M

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



Quick Installation Guide

V1.02

System Requirements

PC Requirements

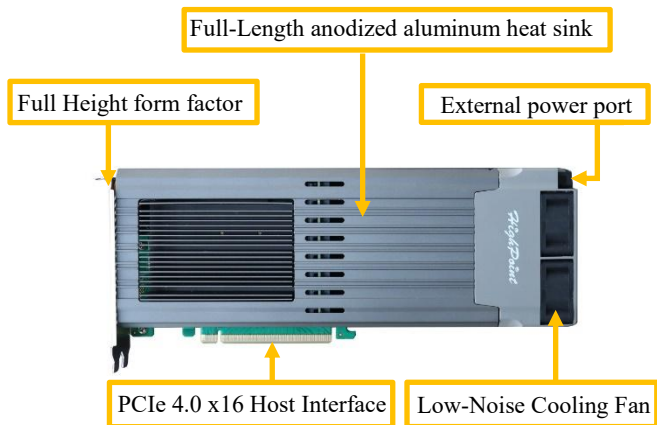
- System with a free PCIe4.0 (or 3.0) x16 slot
- Windows 11, 10 / Server 2022, 2019, 2016 / Microsoft Hyper-V
- RHEL/Debian/Ubuntu/Fedora/Proxmox/ Rocky Linux
(Linux kernel 3.10 and later)
- macOS 10.13.6 ~ macOS 13.x
- ARM Platform (NVIDIA model, Support Linux)

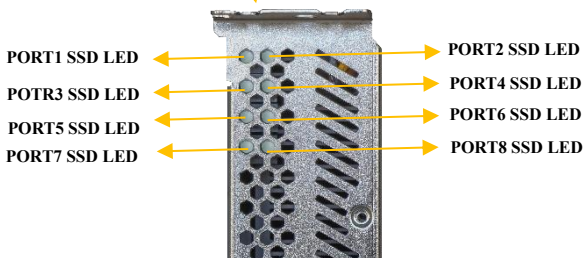
Kit Content

- SSD7749M Controller Card
- Quick Installation Guide

SSD7749M Hardware

Front View





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. Loosen 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 ultimately 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. Power up the SSD external power supply.



Connect 6 pin PCIe power cable

SSD7749M relies on two power sources to support eight SSDs; power supplied through the PCIe bus, and power from the system's PSU via an external 6 pin PCIe power cable. If the external cable is not connected, there will be insufficient power to support all 8 SSDs; this may cause the SSDs to drop offline.

Notes:

If the external power supply is not powered on, the SSDs may drop offline or remain undetected, which could lead to data loss.

The SSD7749M does not require an external power cord when used with a Mac Pro 2019.

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. \(helpjuice.com\)](https://www.highpoint-tech.com/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>