



# SSD7749M

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



**Quick Installation Guide**

# **V1.00**

## **System Requirements**

### **PC Requirements**

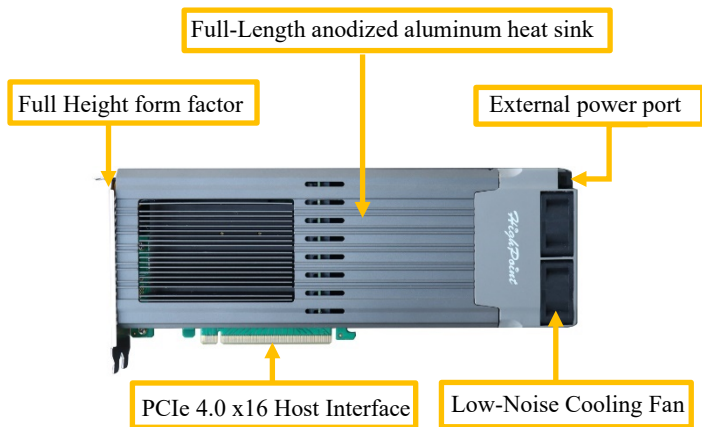
- System with a free PCIe4.0 (or 3.0) x16 slot
- Windows 11, 10 / Server 2022, 2019, 2016 / Microsoft Hyper-V
- RHEL/Debian/Ubuntu/Fedora/Proxmox/ Rocky Linux  
(Linux kernel 3.10 and later)
- Arch Linux (Kernel 5.17.5 and above)
- macOS 10.13.6 ~ macOS 13.x
- ARM Platform (NVIDIA model, Support Linux)

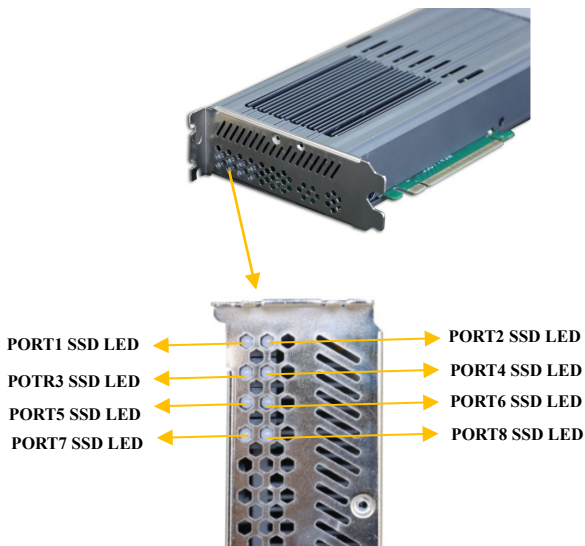
### **Kit Content**

- SSD7749M Controller Card
- Quick Installation Guide

## SSD7540M Hardware

### Front View





### **Disk LED:**

**Green, flashing** : Disk I/O.

**Solid Red** : The disk has failed.

## Hardware Installation

Step 1. Apply pressure to release the lock, turn it counter-clockwise then take out the tray.



Step 2. Loose the screw and remove the film



Step 3. Gently insert the SSD into the Tray.



***Note:** Make sure the SSD contacts (“golden fingers”) are clean priors to installation.*

Step 4. Refasten the screw to secure the SSD.



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



Repeat Steps 1 to 5 to install the remaining SSDs.

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



Step 6. Align the fan module and press down to secure.



**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 7. Power up the SSD external power supply

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



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 SSD's; this may cause the SSDs to drop offline.

**Note:** *The SSD7749M does not require the external power cord when used with a Mac Pro 2019.*



Connect 6 pin PCIe power cable

**Note:** *Please make sure to install the driver before physically installing the SSD7749M.*

**Note:** *Install the driver in the system first and then install the board !*

## Resources

A variety of manuals, guides and FAQ's 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/ssd7749m-overview>

### **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>

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