

SSD7749E

8x E1.S Port to PCIe 4.0 x16 NVMe RAID Controller



Quick Installation Guide

V1.02

System Requirements

PC Requirements

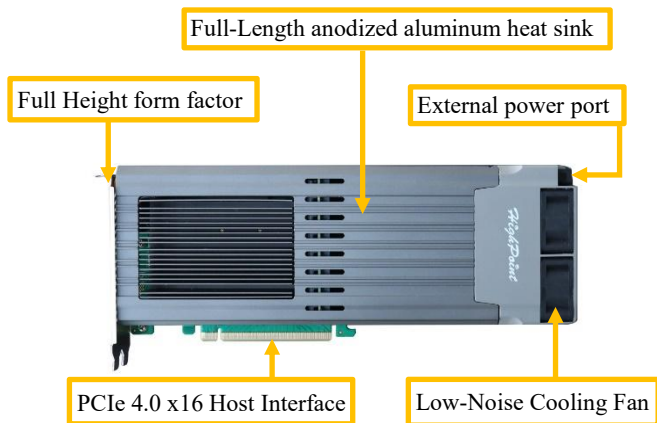
- System with a free PCIe4.0 (or 3.0) x16 slot
- Windows 11, 10 / Server 2022, 2019, 2016 / Microsoft Hyper-V
- RHEL/Debian/Ubuntu/Fedora/Proxmox/ Rocky Linux
(Linux kernel 3.10 and later)
- macOS 10.13.6 ~ macOS 13.x
- ARM Platform (NVIDIA model, Support Linux)

Kit Content

- SSD7749E Controller Card
- Quick Installation Guide

SSD7749E Hardware

Front View



Hardware Installation

Step 1. Apply pressure to release the lock, and turn it counter-clockwise.



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

Step 2. Gently insert the SSD into the slot.

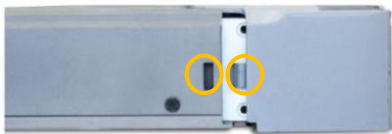


Notes:

Ensure the SSD contacts (“golden fingers”) are clean before installation.

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 3. Align the fan module and press down to secure.



Step 4. Shut down the system and disconnect the AC power cord.

Step 5. Power up the SSD external power supply.



Connect 6 pin PCIe power cable

SSD7749E 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 SSD7749E does not require an external power cord when used with a Mac Pro 2019.

Resources

Various manuals, guides, and FAQs are available for the SSD7749E 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/ssd7749e>

FAQ & Troubleshooting:

[FAQ - HighPoint Technologies, Inc. \(helpjuice.com\)](#)

Customer Support

If you encounter any problems while utilizing the SSD7749E 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>