SSD7749E

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

Quick Installation Guide

V1.00

System Requirements
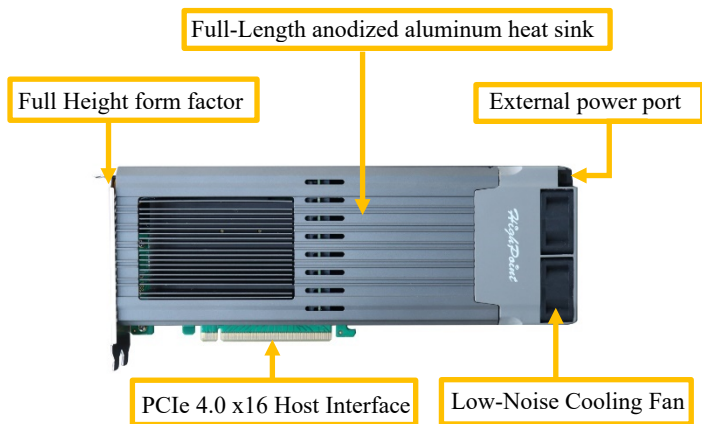
PC Requirements

- 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

- SSD7749E Controller Card

- Quick Installation Guide

SSD7749E Hardware

Front View

Full-Length anodized aluminum heat sink

Full Height form factor

External power port
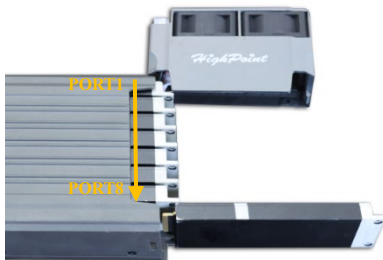
PCIe 4.0 x16 Host Interface

Low-Noise Cooling Fan

Hardware Installation

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

Step 2. Gently insert the SSD into the slot.

> **Note:** *Make sure the SSD contacts ("golden fingers") are clean prior to installation.*

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

> **Note:** *Make sure the SSDs are carefully, but securely installed into each E1.S port. Loose connections can cause a variety of stability and performance issues, and may ultimately result in data loss.*

Step 4. 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.*

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

Note：The SSD7749E does not require the external power cord when used with a Mac Pro 2019.

Connect 6 pin PCIe power cable

Note: Please be sure to connect NVMe before using the product to reduce the occurrence of unnecessary errors!

Note: Make sure to install the driver before physically installing the SSD7749E.

Resources

A variety of 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/ssd7749e-overview

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