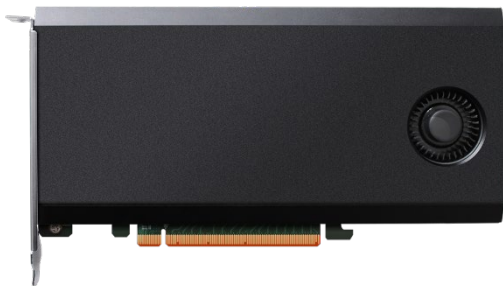*HighPoint*
Technologies, Inc.

SSD7101A-1

4x M.2 Port to PCIe 3.0x16 NVMe RAID Controller

Quick Installation Guide
V1.05

System Requirements

PC Requirements

- System with a free PCIe 4.0 x16 or PCIe3.0 x16 slot
- Windows 11, 10 / Server 2022, 2019, 2016, 2012R2 / Microsoft Hyper-V
- RHEL/Debian/Ubuntu/Fedora/Proxmox/Xenserver /Rocky Linux (Linux kernel 3.10 and later)
- Arch Linux (Kernel 5.17.5 and above)
- macOS 10.13.6 ~ macOS 13.x

SSD7101A-1 Kit Contents

- SSD7101A-1 Controller Card
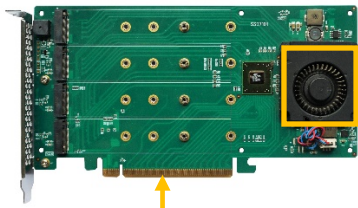- Quick Installation Guide

SSD7101A-1 Hardware

Front View

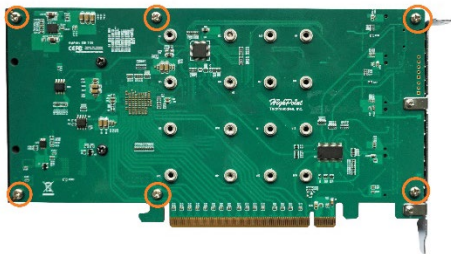Aluminum casing with integrated thermal pad

Intake for cooling fan

Low-Noise cooling fan

PCIe 3.0 x16 Host Interface

Hardware Installation:
Step 1. On the rear of the SSD7101A-1, remove the six screws that secure the unit's front panel to the PCB.


After removing the screws, carefully remove the front panel from the SSD7101A-1.

Step 2. After removing the casing, carefully turn it over to view the thermal pad. The blue film must be removed from the pad before reinstalling the panel. This film protects the pad from damage and foreign objects prior to installation, however, it can also prevent the thermal pad form conducting the heat away from the NVMe SSD's if we don't remove it.

Step 3. These 4 screws are used to install the NVMe SSD's.
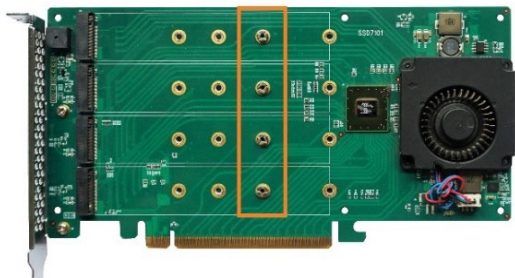
Step 4. The SSDs should be installed from top to bottom. Remove the top screw.
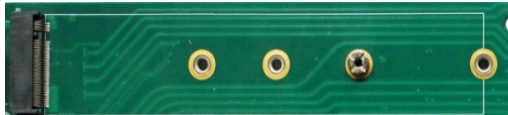
Step 5. Gently insert the SSD into the slot.

Step 6. Refasten the screw to secure the SSD.
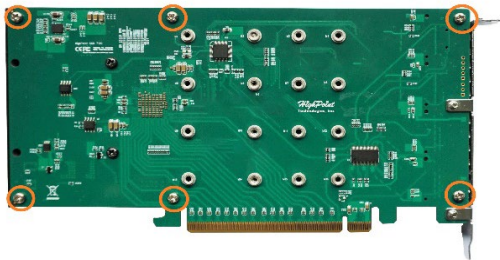

Repeat Steps 4 to 6 to install the remaining SSDs.

The following example shows four SSDs installed into Port 1, 2, 3 & 4;
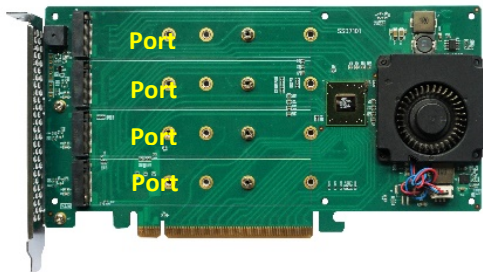
Step 7. Replace the front panel after installing all SSDs.

Step 8. On the rear of the SSD7101A−1, refasten the 6 screws that were removed in step 1.

Note：Make sure the aluminum cover is properly aligned with the controller board (PCB), and that it makes full contact with the thermal pad, before refastening it to the SSD7101A-1. If the cover is improperly installed, the fan and thermal pad will be unable to sufficiently cool the NVMe SSD's and controller componentry, which may result in damage to the SSD's or controller hardware, performance loss, unstable I/O, and the loss of data.

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

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
SSD7101A-1 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/gen3-nvme-m2-non-bootable

FAQ & Troubleshooting:

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

Customer Support

If you encounter any problems while utilizing the SSD7101A-1, 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