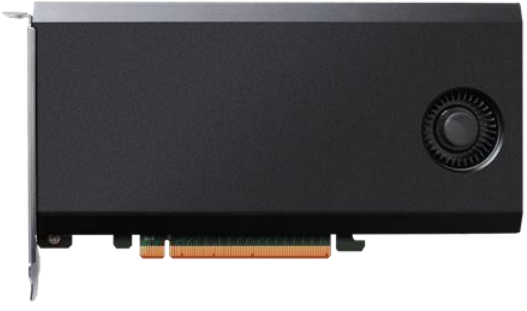
HighPoint Technologies, Inc.

SSD7103

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



Quick Installation Guide

V1.04

System Requirements

PC Requirements

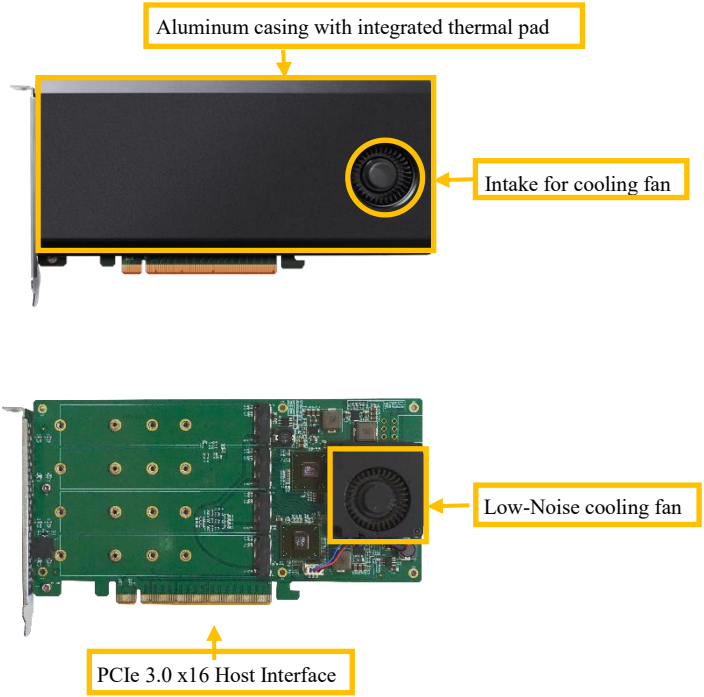
- System with an empty x16 PCIe 3.0 slot
  (Please refer to the SSD7103 compatibility list.)
- Windows 10 and Windows Sever 2016 or later
- Linux kernel 3.10 or later
- macOS 10.13 and later

SSD7103 Kit Contents

- SSD7103 Controller Card
- Quick Installation Guide

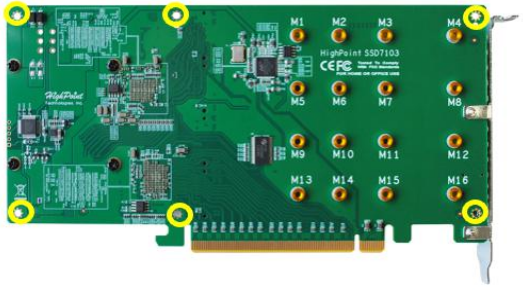
SSD7103 Hardware

Front View



NVMe Drive Installation:

Step 1. On the rear of the SSD7103, 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 SSD7103.

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.

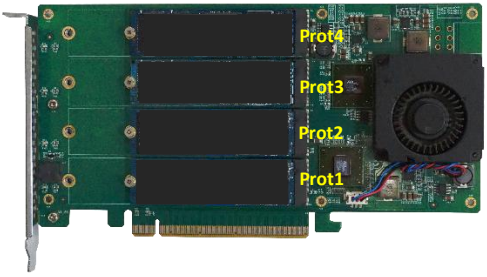
Note: *Please make sure all disks are clean before you insert them into the slot to avoid unexpected situations.*

Step 6. Refasten the screw to secure the SSD.

Repeat Steps 4 to 6 to install the remaining SSDs.

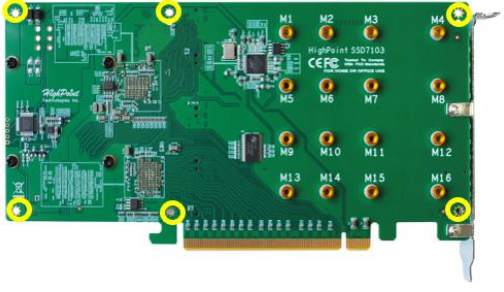
Note: *Make sure the SSD's are carefully, but securely installed into each M.2 port. Loose connections can cause a variety of stability and performance issues, and may ultimately result in data loss.*

The following example shows four M.2 SSDs installed into Ports 1-4:



Step 7. Replace the front panel after installing all SSDs

Step 8. On the rear of the SSD7103, 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 SSD7103. 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

We recommend visiting the SSD7103 Product Resources Page for the latest documentation:

Software Download:

SSD7103 Driver, WebGUI, Installation Guide
https://www.highpoint-tech.com/USA_new/series-ssd7103-download.htm

Other Reference Information:

Motherboard & NVMe SSD Compatibility List

SSD7103 User Guide – How To Set Up & Monitor RAID Array
https://www.highpoint-tech.com/USA_new/series-ssd7103-resource.htm

FAQ & Troubleshooting:
https://highpoint-tech.com/USA_new/support-faq-nvme.htm

Customer Support

If you encounter any problems while utilizing the SSD7103 drive, or have any questions about this or any other HighPoint Technologies, Inc. product, feel free to contact our Customer Support Department.

Web Support:
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