HighPoint Technologies, Inc.

R1101

4x M.2 Port to PCIe 3.0x16 NVMe HBA

Quick Installation Guide

V1.00

System Requirements

PC Requirements

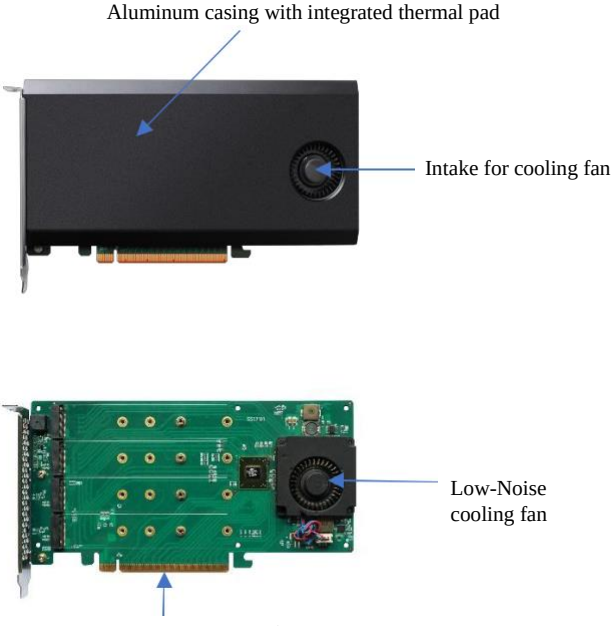
- System with a free PCIe 3.0（or 4.0） x16 slot
- Windows 11 and 10, Windows Server 2019 and 2022
- Linux Kernel 3.10 or later
- MacOS 10.13 or later
- FreeBSD 12.1 and later

R1101 Kit Content

- R1101 Controller Card
- Quick Installation Guide

R1101 Hardware

Front View



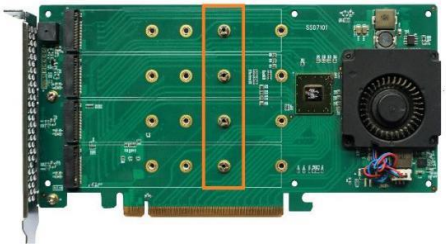
R1101 Hardware Installation:

Step 1. On the rear of the R1101, remove the six screws that secure the aluminum casing to the PCB.

After removing the screws, carefully remove the casing from the R1101.

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, but will also prevent the pad from transferring heat away from the NVMe SSD's and controller componentry.

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. Refasten the screw to secure the SSD.

Repeat Steps 3 to 5 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.*

Step 7. After installing the SSDs, reattach the aluminum casing to the R1101.

Step 8. On the rear of the R1101, 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 R1101. 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.*

Resources

We recommend visiting the R1101 Product Page for the latest document.

Document Downloads:

https://www.highpoint-tech.com/ssd/series-r1000-fan-overview.html

Customer Support

If you encounter any problems while utilizing the R1100 Series, 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