

Rocket 1504 (R1504)

4x M.2 Port to PCIe 4.0 x16 NVMe HBA



Quick Installation Guide

V1.01

System Requirements

PC Requirements

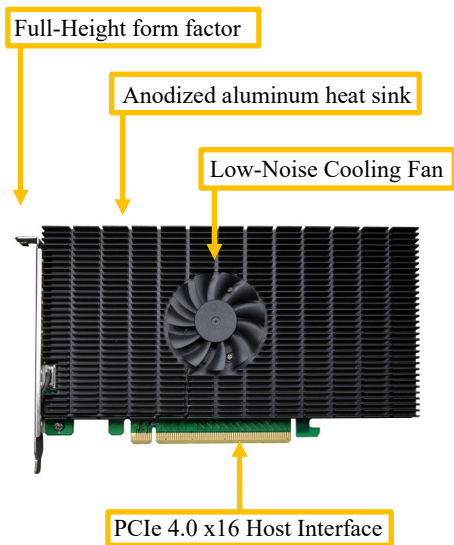
- System with a free PCIe 4.0 x16 or PCIe 3.0 x16 slot
- Windows 11, 10 / Server 2022, 2019, 2016, Microsoft Hyper-V
- RHEL/Debian/Ubuntu/Fedora/Proxmox/Xenserver (Linux kernel 3.10 and later)
- macOS 10.13.6 ~ macOS 13.x
- FreeBSD 12.1 and later

R1504 Kit Content

- R1504 Controller Card
- Quick Installation Guide

R1504 Hardware

Front View



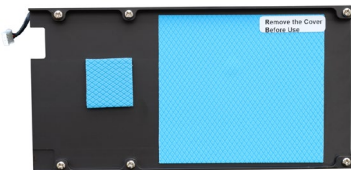
R1504 Hardware Installation:

Step 1. On the rear of the R1504, remove the six screws that secure the unit's heat sink to the PCB.

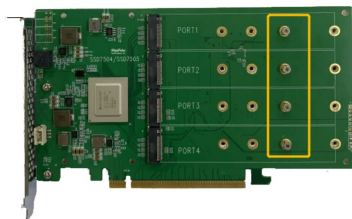


After removing the screws, carefully remove the heat sink from the R1504.

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 from conducting the heat away from the NVMe SSDs if we don't remove it.



Step 3. These 4 screws are used to install the NVMe SSDs.



Step 4. Please remove the screws on the right side of R1504



Step 5. Gently insert the SSD into the slot.



Note: *If the NVMe SSDs were used previously, make sure the connectors are clean and free of dust prior to installation.*

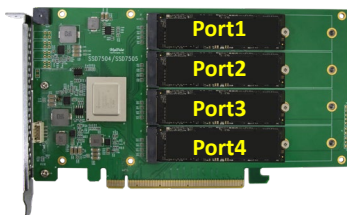
Step 6. Refasten the screw to secure the SSD.



Repeat Steps 4 to 6 to install the remaining SSD.

Note: *Make sure the SSDs 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 PCIe Gen4 SSD installed into Port 1, 2, 3 & 4;



Step 7. Reattach the heat sink after installing all of the SSDs.

Step 8. On the rear of the R1504, 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 R1504. 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 R1504 Product Page for the latest documentation.

Document Downloads:

<https://www.highpoint-tech.com/hba-gen4-nvme-m2>

Customer Support

If you encounter any problems while utilizing the R1504 drive, 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>