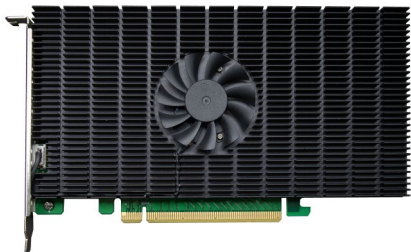*HighPoint*
Technologies, Inc.

Rocket 1504 (R1504)

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

Quick Installation Guide

V1.02

System Requirements
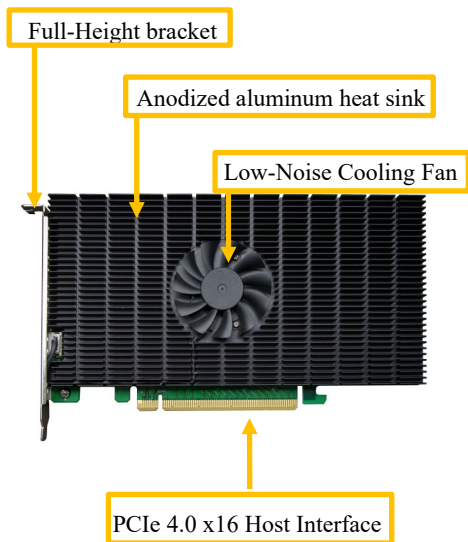
PC Requirements

- Any PC System or Motherboard with an industry standard PCIe x16 physical slot
- Microsoft Windows
- VMware vSphere/ESXi
- Red Hat Enterprise Linux
- SuSE Linux
- Ubuntu Linux
- Citrix XenServer
- CentOS Linux
- Debian Linux
- Oracle Enterprise Linux
- Fedora
- FreeBSD
- macOS

R1504 Kit Content

- 1x R1504
- 1x Quick Installation Guide

R1504 Hardware

Front View

Full-Height bracket

Anodized aluminum heat sink

Low-Noise Cooling Fan
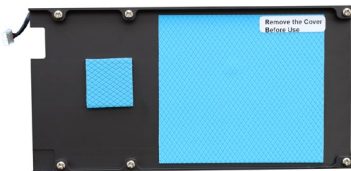
PCIe 4.0 x16 Host Interface

R1504 Hardware Installation:

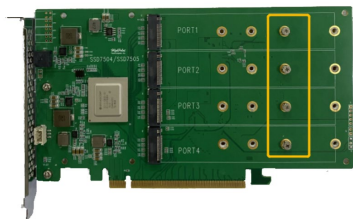Step 1. On the rear of the R1504, remove the six screws that secure the unit's heat sink to the PCB.

Step 2. After removing the screws, carefully remove the heat sink from the R1504.

Step 3. 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 SSDs if not remove.

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

The R1504 can support any M.2 form factor (2242, 2260, 2280, and 22110).

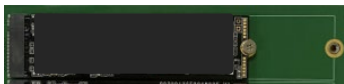Step 5. Please remove the screws on the right side of R1504.

Step 6. Gently insert the NVMe 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.
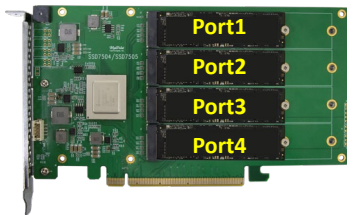
Step 7. Refasten the screw to secure the NVMe SSD.

Repeat Steps 5 to 7 to install the remaining NVMe SSD.

Note: Make sure the NVMe 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 NVMe SSD installed into Port 1, 2, 3 & 4.

Step 8. Reattach the heat sink after installing all of the NVMe SSDs.
Step 9. 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 SSDs and controller componentry, which may result in damage to the NVMe SSDs or controller hardware, performance loss, unstable I/O, and the loss of data.

Resources

A variety of manuals, guides and FAQs are available for the R1504 NVMe HBA.

Document Downloads:
https://www.highpoint-tech.com/nvme-aic/r1504

FAQ & Troubleshooting:

FAQ - HighPoint Technologies, Inc.

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