

Rocket 7602L (R7602L)

2x NVMe Port to PCIe 5.0 x16 NVMe RAID AIC



Quick Installation Guide

V1.00

System Requirements

PC Requirements

- System with a free PCIe5.0 x16 slot

Operating System

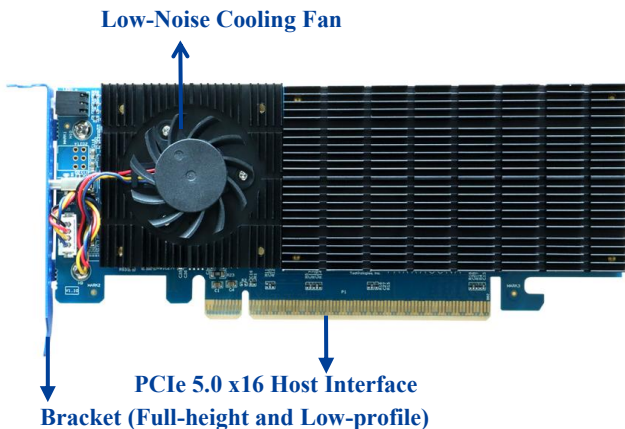
- Windows 10 and later
- Windows Server 2016 and later
- Windows Hyper-V Server 2019
- RHEL/ Debian/ Ubuntu/ Fedora/ Proxmox/
RockyLinux

R7602L Kit Content

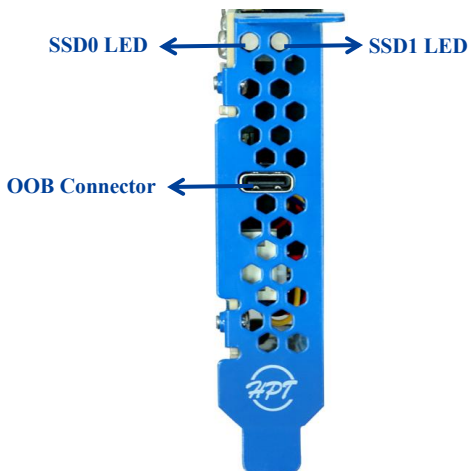
- 1x R7602L NVMe RAID AIC
- 1x Quick Installation Guide
- 1x Low Profile Bracket
- 2x Additional M.2 Rubbers
- 1x K=8, Gray 70mm*46mm*0.75mm Thermal PAD
- 1x K=8, Gray 75mm*49mm*1.5mm Thermal PAD
- 1x K=3, Blue 70mm*46mm*1.5mm Thermal PAD

R7602L Hardware

Front View



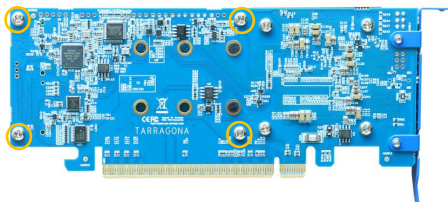
LED View



Note: Please refer to the R7602L NVMe RAID AIC User Guide on the official website for details on LED status and OOB functions.

Hardware Installation

1. Use a wired ESD wrist strap that is properly grounded.
2. Unpack and remove the R7602L and check it for damage. If it appears damaged, please get in touch with HighPoint Technical Support.
3. Remove the four screws on the back of the R7602L that secure the heat sink to the PCB and lift the heat sink up from the right side to remove it.



4. Install the thermal pad onto the R7602L PCB.
Note: Omission of the thermal pad on the R7602L PCB is permissible if your disk exhibits adequate heat dissipation.
 - 1) Remove the blue film from one side of the thermal pad.
 - 2) Align the thermal pad with the M.2 port and press

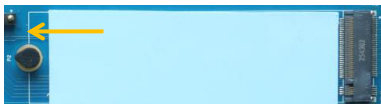
gently to ensure a tight fit.

- 3) Remove the blue film from the other side of the thermal pad.



5. Install the NVMe SSDs in the R7602L.

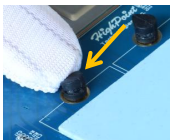
- 1) Confirm the direction of the rubber (pointing in the opposite direction of the M.2 port).



- 2) Gently insert the NVMe SSD into the M.2 connector.



- 3) Press the side of the rubber to align it and insert it into the retention hole on the end of the NVMe SSD.



- 4) Rotate the direction of the rubber so that it points to the M.2 port to secure the NVMe SSD better.



- 5) Repeat the above steps to install the remaining NVMe SSDs.

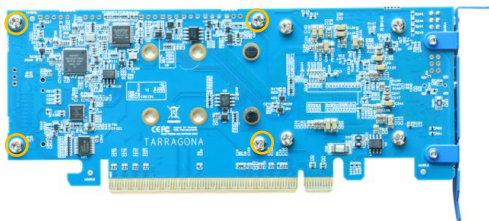


6. Install the heat sink on the R7602L heat sink.
- 1) Remove the blue film from the thermal pad on the

heat sink.



- 2) Align the left side of the heat sink with the PCB, then carefully lower the right side to seat it properly.
- 3) Re-tighten the four screws removed in step 3.



Note: If the screws are not tightened, the heat dissipation will be poor, and other issues may arise.

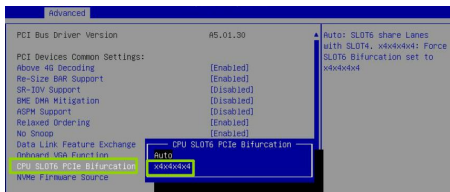
7. Insert the R7602L into an available PCIe slot.
 - 1) Shut down the system and disconnect the AC power cord.
 - 2) Align the R7602L to one of the motherboard's

available slot. Press down gently but firmly to seat the R7602L correctly in the slot.

8. Set the motherboard's PCIe Bifurcation Configuration.

Using a Supermicro motherboard as an example:

- 1) Enter BIOS Setup by pressing **Del** or **F2** during boot.
- 2) Navigate to **Advanced** → **PCIe/PCI/PnP Configuration** → **PCIe slot# Configuration**.
- 3) Locate the setting for your target PCIe x16 slot.
- 4) Change the mode from **Auto** to your desired split (e.g., **x4x4x4x4**).



5) Save & Exit and reboot.

Note: PCIe Bifurcation is a BIOS setting. Incorrect settings may prevent device detection. Menu paths vary by motherboard.

Resources

Various guides are available for the R7602L.

For Documentation and more information about this product, please visit the following website:

<https://www.highpoint-tech.com/nvme-raid-aic/gen5/rocket-7602l>

Customer Support

If you encounter any problems while utilizing the R7602L or have questions about this or any other HighPoint Technologies, Inc. product, please contact our Customer Support Department.

Web Support:

<https://www.highpoint-tech.com/support-and-services>

HighPoint Technologies, Inc. websites:

<https://www.highpoint-tech.com>