

Rocket 1608A (R1608A)

8x NVMe Port to PCIe 5.0 x16 NVMe Switch AIC



Quick Installation Guide

V1.00

System Requirements

PC Requirements

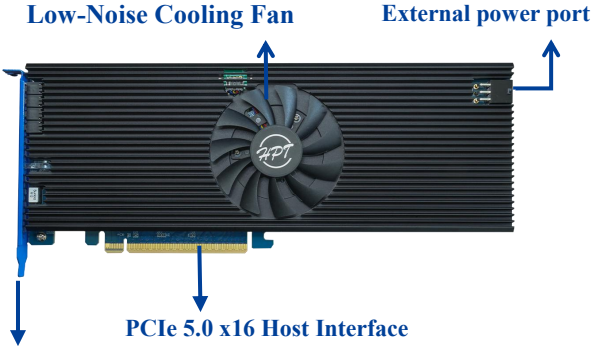
- System with a free PCIe5.0 (or 3.0 or 4.0) x16 slot
- All the Operating Systems with Native NVMe Driver

R1608A Kit Content

- 1x R1608A NVMe Switch AIC
- 1x Quick Installation Guide
- 8x Additional M.2 Rubbers
- 1x K=8 84mm*90mm*0.75mm Thermal PAD
- 1x K=8 70mm*90mm*0.75mm Thermal PAD
- 1x K=8 84mm*90mm*1mm Thermal PAD
- 1x K=8 70mm*90mm*1mm Thermal PAD
- 1x K=3 84mm*90mm*1.5mm Thermal PAD
- 1x K=3 70mm*90mm*1.5mm Thermal PAD

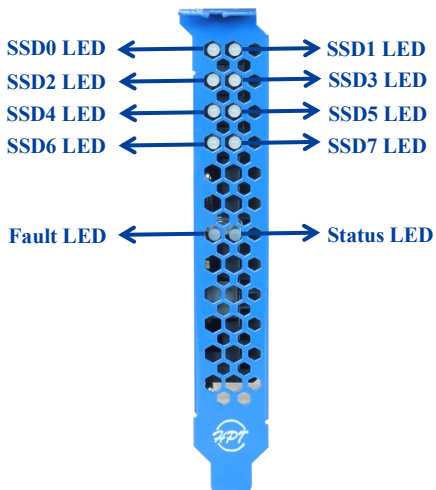
R1608A Hardware

Front View



Full-height bracket (optional low-profile bracket included)

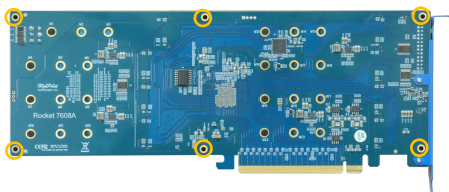
LED View



Note: Please refer to the detailed description of LED colors and their status in the R1608A NVMe Switch AIC User Guide on the official website.

Hardware Installation

1. Use a wired ESD wrist strap that is properly grounded.
2. Unpack and remove the R1608A and check it for damage. If it appears damaged, please get in touch with HighPoint Technical Support.
3. Remove the six screws on the back of the R1608A 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 pads onto the R1608A PCB.
 - 1) Determine whether your disk is a single-sided or a double-sided M.2 NVMe SSD.

Notes:

Single-sided M.2 NVMe SSDs only have chips on one side of the PCB.

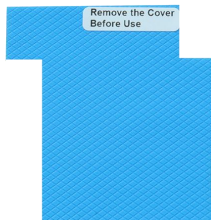
Double-sided M.2 NVMe SSDs have chips on both sides of the PCB.

- 2) Select the thermal pad that corresponds to the NVMe SSD.

PCB	Single-sided	Double-sided
Left	K=3 70mm*90mm*1.5mm	K=8 70mm*90mm*0.75mm
Right	K=3 84mm*90mm*1.5mm	K=8 84mm*90mm*0.75mm



Left

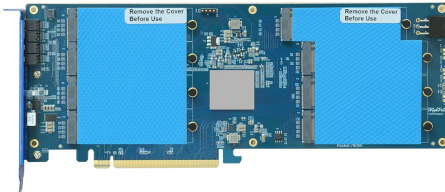


Right

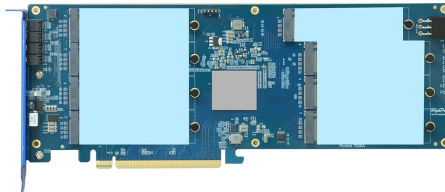
Note: This picture only shows the thermal pads on the left and right positions; please follow the table above for specific thermal pad options.

- 3) Remove the blue film from one side of the thermal pads.

- 4) Align the thermal pad with the M.2 port and press gently to ensure a tight fit.



- 5) Remove the blue film from the other side of the thermal pads.

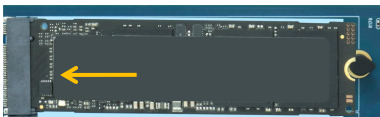


5. Install the NVMe SSDs to the R1608A.

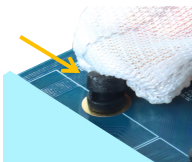
- 1) Confirm the direction of the rubber (pointing in the opposite direction of the M.2 port).



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



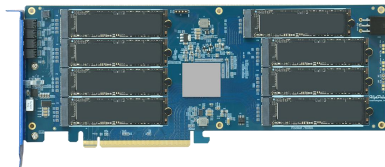
- 3) Press the side of the rubber to align it and insert it into the retention hole on the end of the NVMe SSD.



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

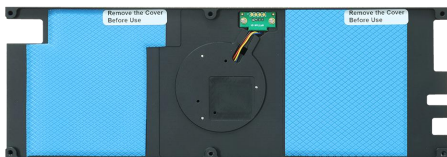


- 5) Repeat the above steps to install the remaining NVMe SSDs.

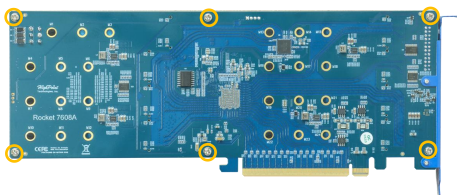


6. Install the heat sink to the R1608A PCB.

- 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 and carefully lower the right side.
- 3) Carefully and properly align the heat sink with the PCB and retighten the six screws that were removed in step 3.



Note: If the screws are not tightened, there will be fan stalling, poor heat dissipation, and other situations.

7. Insert the R1608A into an available PCIe slot.
 - 1) Shut down the system and disconnect the AC power cord.
 - 2) Align the R1608A to one of the motherboard's available slots. Press down gently but firmly to seat the R1608A correctly in the slot.



- 3) Connect the 6-pin PCIe power cable to the external power connector on the right side of the R1608A. Power up the SSD external power supply.



8. Turn on the power to the system.

Resources

Various guides and FAQs are available for the R1608A NVMe Switch AIC.

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

<https://www.highpoint-tech.com/nvme-aic/r1608a>

FAQ & Troubleshooting:

[FAQ - HighPoint Technologies, Inc. \(helpjuice.com\)](https://www.highpoint-tech.com/helpjuice.com)

Customer Support

If you encounter any problems while utilizing the R1608A 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>