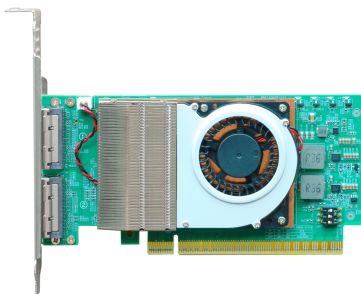




Rocket 1624M (R1624M)

2x MCIO Port to PCIe 5.0 x16 NVMe Switch Adapter



Quick Installation Guide

V1.00

System Requirements

PC Requirements

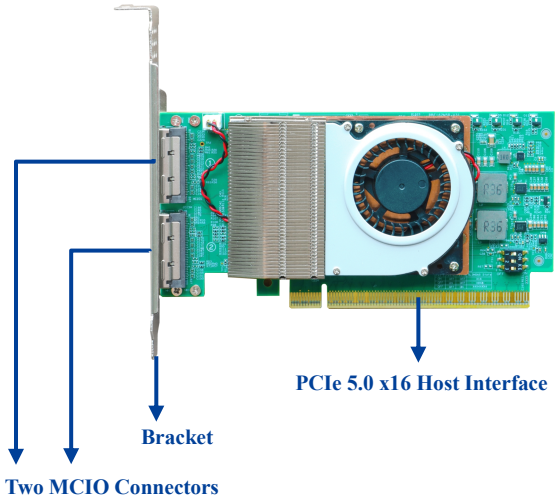
- System with a free PCIe5.0 x16 slot
- All operating systems that support the PCIe standard

R1624M Kit Content

- 1x R1624M NVMe Switch Adapter
- 1x Low Profile Bracket
- 1x Quick Installation Guide

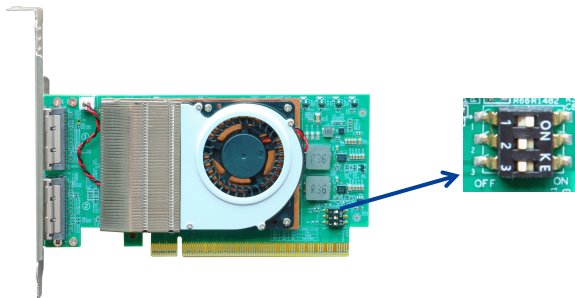
R1624M Hardware

Front View



Switch Configuration

The R1624M uses three switches (FS1-1, FS1-2, FS1-3) to select the PCIe lane output mode. Set the switches before powering on the system.



Mode	Switch Position		
	FS1-1	FS1-2	FS1-3
x16 (Default)	ON	OFF	OFF
			

x8x8	OFF	ON	OFF
			
x4x4x4x4	OFF	OFF	ON
			

Note: Changing the switch setting changes the lane configuration. The adapter firmware must also match the selected output mode. Power off the system before adjusting the switches.

Hardware Installation

This chapter describes how to install the R1624M in x16, x8x8, or x4x4x4x4 mode.

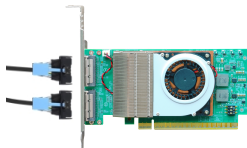
Notes:

PCIe Bifurcation is a BIOS setting. Incorrect settings may prevent device detection. Menu paths vary by motherboard. Replace the full-height bracket with the optional low-profile bracket if required.

Select the appropriate switch mode based on your specific hardware configuration. For detailed information, refer to the hardware guide.

1. Use a wired ESD wrist strap that is properly grounded.
2. Unpack and remove the R1624M and check it for damage. If it appears damaged, please get in touch with HighPoint Technical Support.
3. Ensure the system is powered off and the AC power cord is disconnected.
4. Set the switch position.

5. Connect the MCIO connectors to the R1624M.

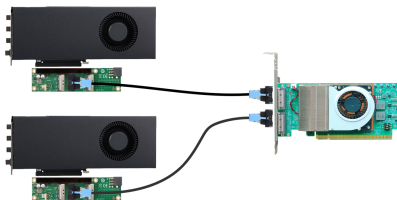


6. The R1624M connected to different devices.

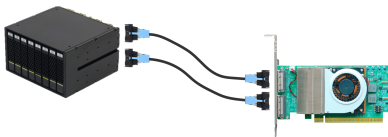
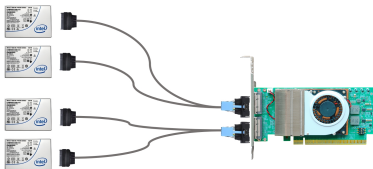
- x16 Mode: 16 lanes assigned to the single device.



- x8x8 Mode: 16 lanes assigned to two x8 devices.



- x4x4x4x4 Mode: 16 lanes assigned to four x4 devices.



7. Insert the R1624M into the motherboard's PCIe x16 slot. Press down gently but firmly to seat it correctly.
8. Reconnect the AC power cord and power on the system.
9. 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**→**Chipset Configuration**→**I/O Configuration**→**CPU Configuration**→**PCI Express**.
 - 3) Locate the setting for your target PCIe x16 slot.
 - 4) Change the BIOS bifurcation mode to match the switch mode settings on the adapter.
 - 5) Save & Exit and reboot.

Optional Certified Cable Accessories

CIO8-8639-110



MCIO (x8) Host to U.2 SFF-8639 Device cable with a 15-pin SATA power connector. Each cable supports two NVMe SSDs.

Length: 1M (100cm)/39.37"

CIO8-CIO8-110



MCIO (x8) Host to MCIO (x8) Device cable. Each cable can host up to two NVMe SSDs.

Length: 1M (100cm)/39.37"

Resources

Various guides are available for the R1624M.

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

<https://www.highpoint-tech.com/nvme-switch-adapter/gen5/rocket-1624m>

Customer Support

If you encounter any problems while utilizing the R1624M 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>