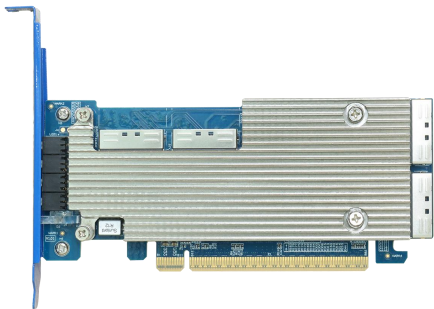




Rocket 7628A (R7628A)

8x NVMe Port to PCIe 5.0 x16 NVMe RAID Adapter



Quick Installation Guide

V1.00

System Requirements

PC Requirements

- System with a free PCIe5.0 (or 3.0 or 4.0) x16 slot

Operating System

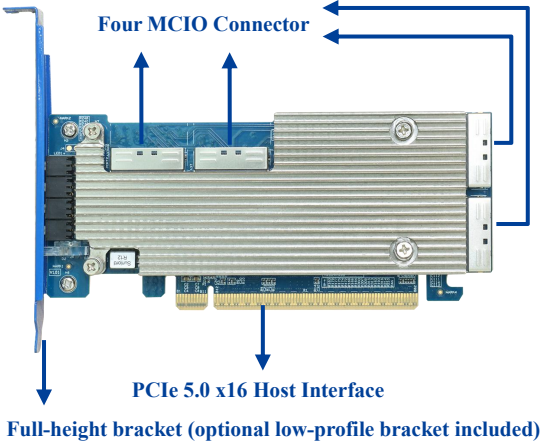
- Windows 11,10/ Server 2022,2019,2016/ Microsoft Hyper-V
- RHEL/Debian/Ubuntu/Fedora/Proxmox/Rocky Linux (Linux kernel 3.10 and later)

R7628A Kit Content

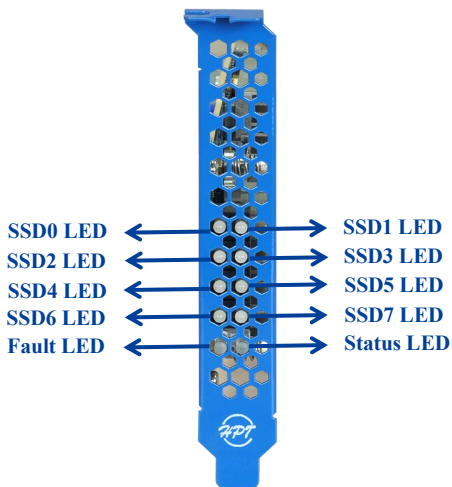
- 1x R7628A NVMe RAID Adapter
- 1x Quick Installation Guide
- 1x Low Profile Bracket

R7628A Hardware

Front View



LED View



Note: Please refer to the detailed description of LED colors and their status in the R7628A NVMe RAID Adapter User Guide on the official website.

Hardware Installation

The R7628A provides four MCIO connectors. These connectors accept a variety of HighPoint Certified Cable Accessories (see the Accessories section towards the end of this guide for more information). The following steps explain how to connect U.2 NVMe SSDs directly to the R7628A using HighPoint CIO8-8639-110 cable.

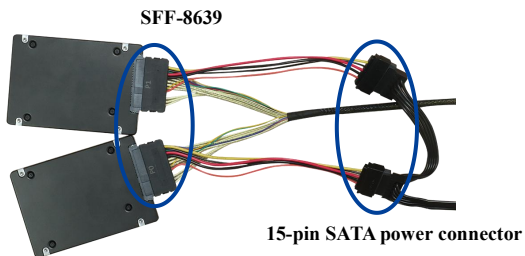
1. Use a wired ESD wrist strap that is properly grounded.
2. Unpack and remove the R7628A and check it for damage. If it appears damaged, please get in touch with HighPoint Technical Support.
3. Shut down the system and disconnect the AC power cord.

4. Align the R7628A to one of the motherboard's available slots. Press down gently but firmly to seat the R7628A correctly in the slot.

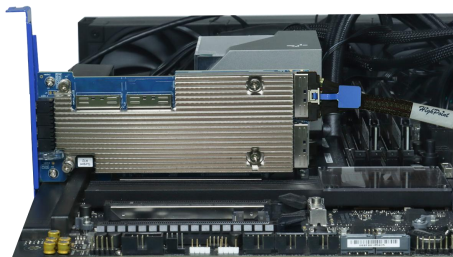


Note: Replace the full-height bracket on the R7628A with the optional low-profile bracket if required by your system.

5. Connect the SFF-8639 connector of the CIO8-8639-110 cable to the NVMe SSD, and connect the 15-pin SATA power connector to the power supply.






6. Connect the MCIO connector of the CIO8-8639-110 cable to the R7628A.



7. Connect the remaining NVMe SSDs to the R7628A as described above.
8. Turn on the power to the system.

Note: Please ensure the cables are securely connected to the R7628A's device ports and the NVMe SSDs or backplanes. Loose connections can lead to various problems, including instability, slower-than-expected performance, and dropped disks.

Optional Certified Cable Accessories

<p>CIO8-8639-110</p>  A black cable with a blue SATA power connector on one end and two black U.2 SFF-8639 connectors on the other. The cable is shown in a loose loop.	<p>MCIO (x8) Host to U.2 SFF-8639 Device cable with a 15-pin SATA power connector. Each cable supports two NVMe SSDs.</p> <p>Length: 1M (100cm)/39.37"</p>
<p>CIO8-CIO8-110</p>  A black cable with two MCIO (x8) connectors on both ends. The cable is shown in a loose loop.	<p>MCIO (x8) Host to MCIO (x8) Device cable. Each cable can host up to two NVMe SSDs.</p> <p>Length: 1M (100cm)/39.37"</p>
<p>8654-CIO8-110</p>  A black cable with a blue SATA power connector on one end and a black SFF-8654 connector on the other. The cable is shown in a loose loop.	<p>MCIO Host to SFF-8654 Device cable. Each cable can host up to two NVMe SSDs.</p> <p>Length: 1M (100cm)/39.37"</p>

CIO8-1002-110



MCIO Host to SFF-TA-1002 Device cable with a 15-pin SATA power connector. Each cable supports two NVMe SSDs.

Length: 1M (100cm)/39.37"

Resources

A variety of guides and FAQs are available for the R7628A NVMe RAID Adapter.

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

<https://www.highpoint-tech.com/nvme-raid-adapter/gen5/rocket-7628a>

Certified Accessories:

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

FAQ & Troubleshooting:

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

Customer Support

If you encounter any problems while utilizing the R7628A 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>