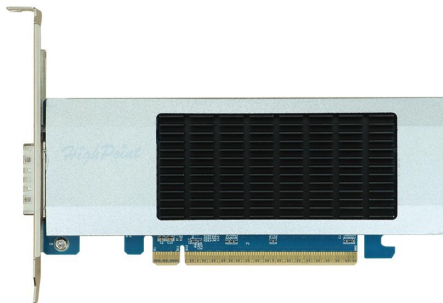# *HighPoint*
Technologies, Inc.

Rocket 7638D (R7638D)

1x CDFP Connector and 2x MCIO Connectors

PCIe 5.0 x16 External Adapter

Quick Installation Guide

V1.01

System Requirements

PC Requirements

- System with a free PCIe 5.0 (or 3.0 or 4.0) x16 slot
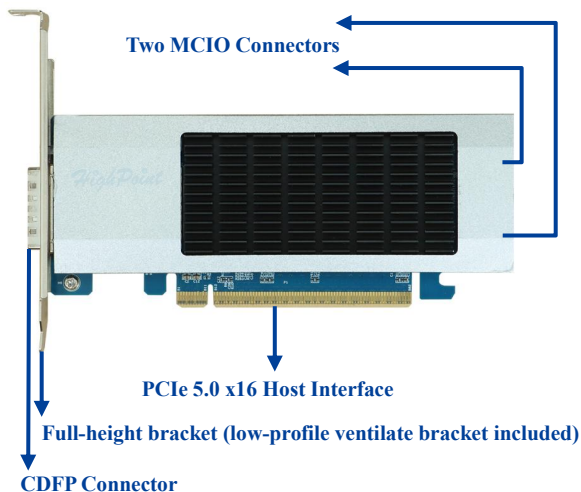
Operating System

- Windows 10 and later
- Windows Server 2016 and later
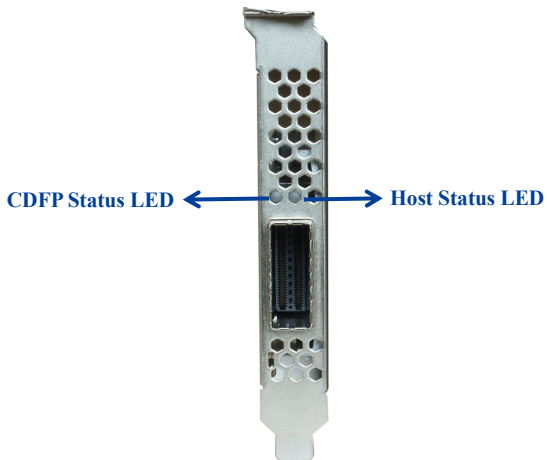- RHEL/Debian/Ubuntu/Fedora/Proxmox/Rocky Linux

R7638D Kit Content

- 1x R7638D External Adapter
- 1x Quick Installation Guide
- 1x Low Profile Ventilate Bracket

R7638D Hardware

Front View

Two MCIO Connectors

PCIe 5.0 x16 Host Interface

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

CDFP Connector

LED View

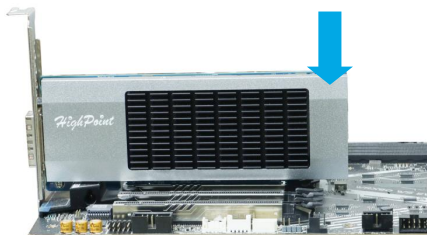CDFP Status LED ← → Host Status LED

Note: Please refer to the detailed description of LED colors and their status in the R7638D External Adapter User Guide on the official website.
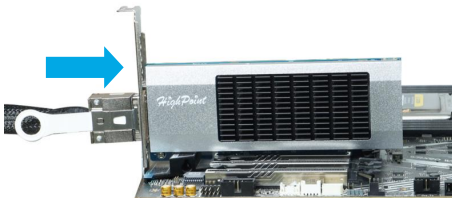
Hardware Installation

The R7638D provides one CDFP connector and two MCIO connectors compatible with HighPoint's certified cable accessories. (see the Accessories for more information). The following steps show how to connect U.2/U.3 NVMe SSDs and Enclosure directly to the R7638D.
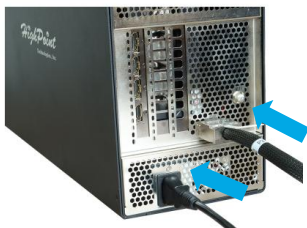
1. Use a wired ESD wrist strap that is properly grounded.
2. Unpack and remove the R7638D and check it for damage. If it appears damaged, please get in touch with HighPoint Technical Support.
3. Shut down the system and disconnect the AC power cord.
4. Press down gently but firmly to seat the R7638D correctly in the available slot.

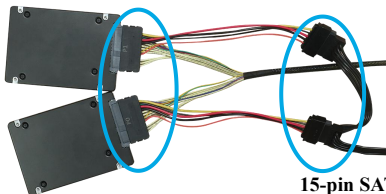5. Connect the CDFP cable to the R7638D's CDFP port.

6. Connect the CDFP cable to the Enclosure's CDFP port and the UL power cord to the Enclosure for AC power connection.

7. Connect the SFF-8639 connector to the NVMe SSD, and connect the 15-pin SATA power connector to the power supply.

SFF-8639 Connector

15-pin SATA power connector

8. Connect the MCIO connector of the CIO8-8639-110 cable to the R7638D.

9. Power up the Enclosure, then power up the motherboard.
   Note: When powering off the system, the Enclosure must be powered off at the same time.

10. Turn on the power to the system.

Optional Certified Accessories

| CIO8-8639-110 Cable | 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 Cable | MCIO (x8) Host to MCIO (x8) Device cable. Each cable can host up to two NVMe SSDs.

Length: 1M (100cm)/39.37" |
| 8654-CIO8-110 Cable | MCIO Host to SFF-8654 Device cable. Each cable can host up to two NVMe SSDs.

Length: 1M (100cm)/39.37" |

CIO8-1002-110 Cable	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"
CDFP-CDFP-1M Gen5 (Cooprlink) Cable	CDFP Connector to CDFP Connector cable. Each cable supports one Enclosure. Length: 1M (100cm)/39.37"

CDFP-CDFP-1M Gen4 Cable	CDFP Connector to CDFP Connector cable. Each cable supports one Enclosure. Length: 1M (100cm)/39.37"
RS8531A Enclosure	The Enclosure is designed specifically for Gen4 (PCIe 4.0) GPU (Graphics Processing Unit). **Enclosure Dimensions:** 286mm(H)*155mm(W)*445mm(D)

RS8631C Enclosure	
	The Enclosure is designed specifically for Gen5 (PCIe 5.0) GPU (Graphics Processing Unit). **Enclosure Dimensions:** 286mm(H)*155mm(W)*445mm(D)
RS8631D Enclosure	
	The Enclosure is designed specifically for Gen5 (PCIe 5.0) GPU (Graphics Processing Unit). **Enclosure Dimensions:** 286mm(H)*155mm(W)*445mm(D)

Resources

Various guides are available for the R7638D External Adapter.

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

https://www.highpoint-tech.com/rocket-7638d-pcie-gen5-switch-adapter/

Certified Accessories:

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

Customer Support

If you encounter any problems while utilizing the R7638D 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