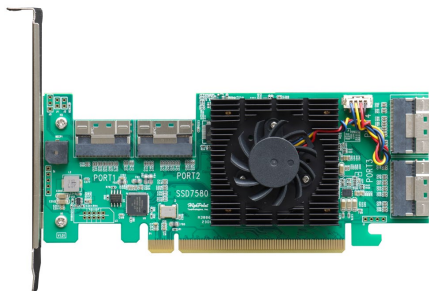*HighPoint*
Technologies, Inc.

# Rocket 1580B (R1580B)

## 8x U.2 Port to PCIe 4.0 x16 NVMe HBA



## Quick Installation Guide

## V1.00

## System Requirements

### PC Requirements

- Any PC System or Motherboard with an industry standard PCIe x16 physical slot
- Microsoft Windows
- VMware vSphere/ESXi
- Red Hat Enterprise Linux
- SuSE Linux
- Ubuntu Linux
- Citrix XenServer
- CentOS Linux
- Debian Linux
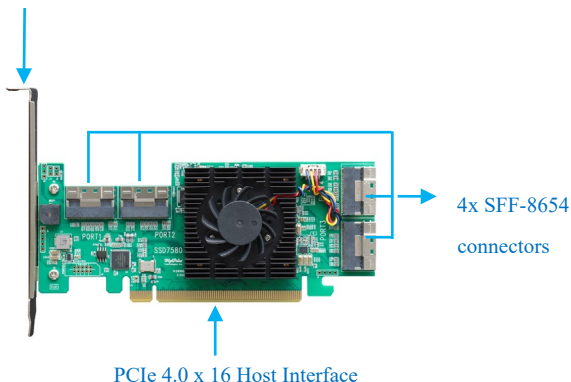- Oracle Enterprise Linux
- Fedora
- FreeBSD

# R1580B Kit Content

- 1x R1580B
- 1x Quick Installation Guide
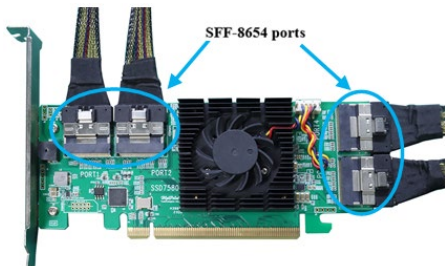- 1x Low-Profile bracket

# R1580B Hardware

## Front View

Full-Height bracket



4x SFF-8654 connectors

PCIe 4.0 x 16 Host Interface

# Hardware Installation

**Step 1.** The R1580B provides four device ports which utilize SFF-8654 connectors. These ports accept a variety of HighPoint Certified Cable Accessories (see the Accessories section towards the end of this guide for more information). The following procedure explains how to connect U.2/U.3 NVMe SSDs directly to the R1580B using HighPoint TS8i-8639-060 NVMe cables.
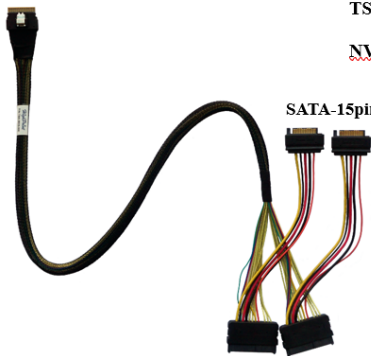
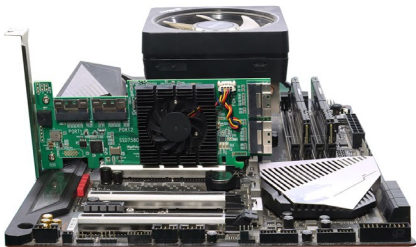**SFF-8654**

**TS8i-8639-060**

**NVMe cable**

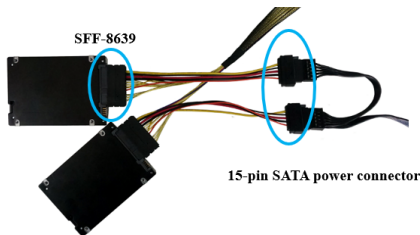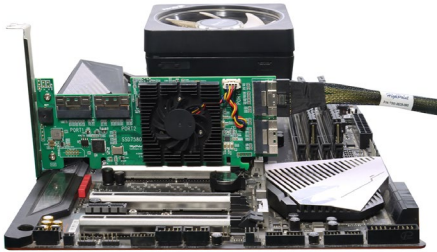**SATA-15pin**

**SFF-8639**

**Step 2.** The SFF-8654 connector should be inserted into the Rocket 1580B's device ports. The SFF-8639 connector should be connected to the U.2/U.3 SSDs (two SSDs per cable). The 15-pin SATA power cable should then be connected to the system power supply.

**Step 3.** Insert the R1580B into one of the motherboard's PCIe 4.0 (or 3.0 or 5.0) x16 slot.



**Step 4.** Next, connect the SFF-8654 cable connector to one of the R1580B's four device ports (Ports 1 through 4)

**Step 5.** When the above steps are complete, power on the system.

*Note1: Please make sure the cables are securely connected to the R1580B's device ports and the NVMe SSDs or backplane. Loose connections can lead to a variety of problems including instability, slower than expected performance and dropped disks.*

*Note2: If you encounter any problems with damaged parts (e.g. fans, screws, etc.) during use, you need to contact our customer support team for professional help and guidance to avoid unexpected situations. You will be responsible for all the consequences of solving the problem by yourself.*

## Optional Certified Cable Accessories

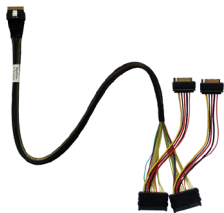| 8654-8643-210 | **SFF-8654 to SFF-8643 NVMe cable, 1meter length** |
|---|---|
|  | The 8654-8643-210 is SFF-8654 (host) to SFF-8643 (device) PCIe 4.0 x8 NVMe cable, and each cable can host up to 2x NVMe SSDs. |
| 8654-8611-205 | **SFF-8654 to SFF-8611 NVMe cable, 0.5meter length** |
|  | The 8654-8611-205 is SFF-8654 (host) to SFF-8611 (device) PCIe 4.0 x8 NVMe cable, and each cable can host up to 2x NVMe SSDs via an SFF-8611 Oculink connection. |

| TS8i-8639-060 | **SFF-8654 to SFF-8639 cable, 0.6meter length** |
| | The SFF-8654 to U.2 SFF-8639 cable with a 15-pin SATA power connector. Each cable supports two U.2 NVMe SSDs. |

# Resources

We recommend visiting the R1580B Product Page for the latest document.

**Document Downloads:**

https://www.highpoint-tech.com/nvme-aic/r1580b

**FAQ & Troubleshooting:**

FAQ - HighPoint Technologies, Inc.

## Customer Support

If you encounter any problems while utilizing the R1580B, or have any questions about this or any other HighPoint Technologies, Inc. product, feel free to contact our Customer Support Department.

**Web Support:**

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

**HighPoint Technologies, Inc. websites:**

https://www.highpoint-tech.com