Revision History

RocketMate 220

2.5" Dual-M.2 Driverless & Bootable NVMe RAID Enclosure

Quick Installation Guide

V1.00

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Introducing the HighPoint RocketMate 220

HighPoint's RocketMate 220 is a driverless, bootable 2.5" NVMe RAID enclosure designed for use with PC platforms. It can be installed into any industry-standard 2.5" drive bay, tray, backplane or mobile rack with an SFF-8639 connector. It is natively supported by all modern PC Virtual Machine and Operating System platforms including VMware, Proxmox, Hyper-V, Windows and Linux.

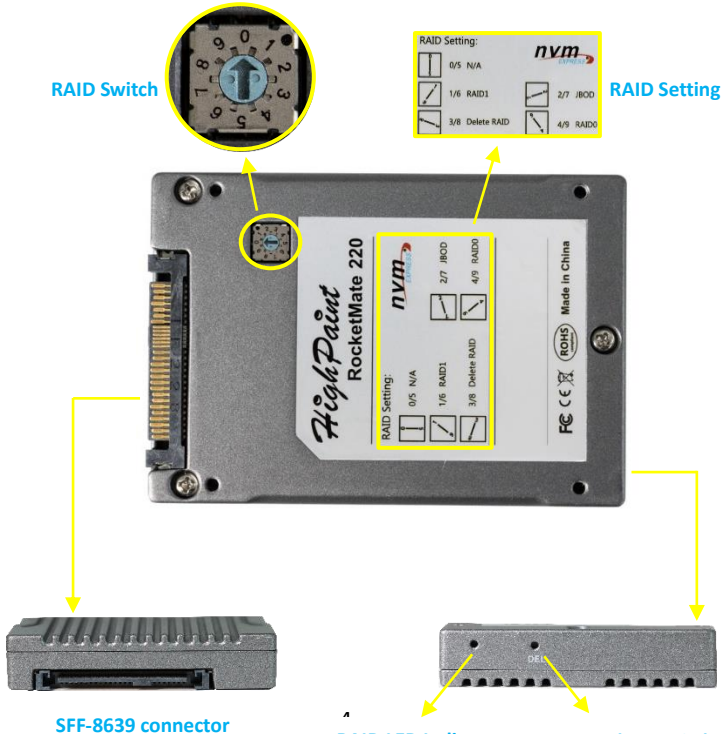
Kit Contents

- 1x RocketMate 220 M.2 NVMe Enclosure
- 1x Quick Installation Guide
- 1x N1C-323140-1110 (use for deleting RAID arrays)
- 1x N1C-800250-4110 (use for RAID Switch)
- 1x N1C-300800-4110 (use for installing or removing screws)

System Requirement

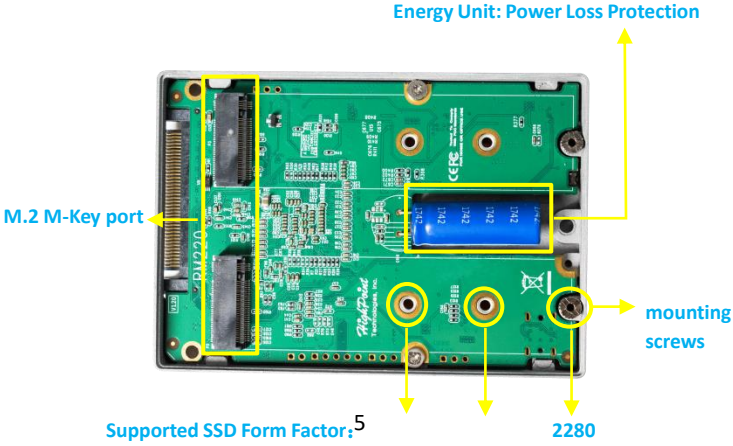
- Windows 11 and 10, Windows Server 2016, 2019 and 2022, Microsoft Hyper-V
- Linux Kernel v3.10 and later
- VMware, Proxmox

Board Layout



RAID LED Indicator Status

RAID Status	RAID Status LED Indicator
RAID0	Solid Green
RAID1	Solid Blue
Single Disk(JBOD) x2	Solid Pink
RAID failure	Solid Red
No Configuration	OFF
RAID Active	ON
RAID creation	Flicker



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Hardware Installation

1. Remove the top panel by unscrewing the 3 screws shown below (requires a Phillips screwdriver):

2. To install M.2 NVMe SSDs:
   01. Remove the screws (shown below).
   02. Carefully insert each M.2 SSD into the slot.
   03. Fasten down each SSD using the screws removed in step “01”.

Note: Make sure the SSDs are carefully, but securely installed into each M.2 port. Loose connections can cause a variety of stability and performance issues, and may ultimately result in data loss.

3. Align the top panel and secure it to the enclosure using the screws removed in step 1.

Note: Make sure the top panel is aligned properly and secured firmly to the enclosure. A misaligned or lose panel may prevent the RocketMate from functioning properly, and/or prevent the enclosure from properly cooling the M.2 NVMe SSDs. Unsecure connections or overheating may result in damage to the NVMe media or controller hardware, degraded performance, or lead to unstable I/O and data loss.

4. Connect the enclosure to the host system using the appropriate cable (such as the HighPoint M.2-8639-050, shown below):

RAID Switch Setting

Four options are available. When the system starts; the RocketMate 220 (RM220) will automatically create the specified array using the hosted NVMe SSDs.

The RAID switch is located at the bottom of the enclosure (dial).

The dial can be adjusted using the small flat-head screwdriver included with the RM220.

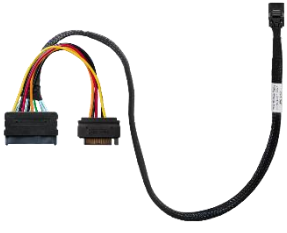
RAID Switch

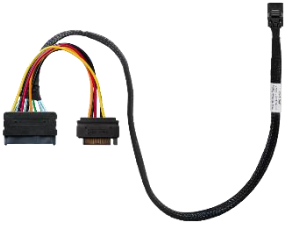
RAID Setting

code	RAID Level
4/9	**RAID0** Set the dial to “4/9” – this will create a RAID 0 array after the RM220 is powered on. The LED will glow green.
1/6	**RAID1** Set the dial to “1/6” – this will create a RAID 1 array after the RM220 is powered on. The LED will glow blue.
2/7	**JBOD x2** Set the dial to "2/7" – this will create two JBOD array after the RM220 is powered on. The LED will glow pink.
3/8	**Delete RAID** When the disk is powered on, set the dial code to "3/8", insert the RAID pin into the “DEL” hole, and press it; the enclosure will flash the LED twice and delete the array.

Note: The RAID Switch can only be used with SSDs that have not been configured into an array.

Certified Cable Accessories

M2-8639-050 	SFF-8639 NVMe Host to M.2 NVMe (U.2) cable Length: 19.6" (50cm)
8643-8639-50 	SFF-8643 to SFF-8639 NVMe HD-Mini-SAS Device (U.2) cable, with Power Connector Length: 19" (50cm)

8643-8639-100 	SFF-8643 to SFF-8639 NVMe HD-Mini-SAS Device (U.2) cable, with Power Connector Length:39"(100cm)
TS8i-8639-060 NVMe cable 	SFF-8654 to U.2 SFF-8639 cable with Power Connector Length: 23.6" (60cm)

Customer Support

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

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