



RocketMate 220

PCIe 3.0 x8 Dual-M.2 2.5" NVMe RAID Enclosure

Bootable, 2.5" Form-Factor NVMe RAID Solution for PC Platforms!

Introducing the RocketMate 220

The RocketMate 220 is 2.5" dual-M.2 NVMe RAID enclosure designed for use with PC platforms. The universal 2.5" form factor allows the RocketMate 220 to be installed into a wide range of industry standard computing platforms, chassis and enclosures.

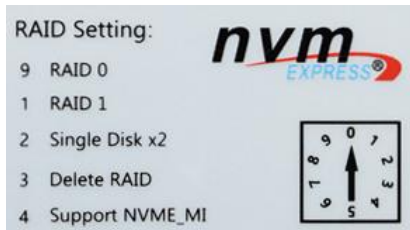
2.5" Bootable, Host-RAID 0 & 1 Solution

The RocketMate 220 features integrated host RAID technology that is capable of supporting RAID 0 (stripe), RAID 1 (mirroring) and single disk configurations. RAID arrays hosted by the RocketMate 220 require no device driver or software application and are natively supported by all current PC operating systems and VM platforms such as Windows 11, Windows Server 2022, Hyper-V, VMware, Proxmox, Citrix Hypervisor, and Linux distributions that utilize kernel v3.10 and later.

Configure Arrays with the Flip of a Switch!

The RocketMate 220 features a built-in hardware switch that enables users to configure an array without the need for an operating system or software application.

Users can easily toggle between three modes: RAID 0 Striping, RAID 1 Mirroring, and JBOD (single disk).

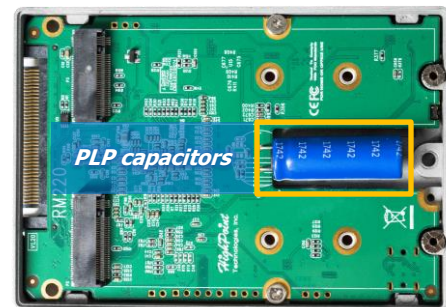


Feature Highlights

- 2.5" form factor NVMe RAID Solution for PC platforms
- PCIe 3.0 x4 Host Interface
- Accepts up to 2x 2242/2260/2280 M.2 NVMe SSDs
- Integrated Host RAID Technology (0, 1, JBOD)
- Built-In RAID Switch
- Power Loss Protection (PLP)
- Plug & Play Installation
- In-Box Driver support for VMware, Linux & Windows platforms

Supports Off-the-Shelf M.2 NVMe SSD's

The RocketMate 220 can house up to two off-the-shelf PCIe Gen3 or Gen4 2242/2260/2280 M.2 NVMe SSD, and does not impose any capacity limitations.



Enterprise Class Reliability; Power Loss Protection

The RocketMate 220 incorporates a bank of capacitors that are used to flush data stored in NVMe cache to the flash memory in the event of a sudden loss of power. This helps prevent the loss of in-transit data during a power outage of PSU failure.

Feature Specifications			
Host Bus Interface	PCIe 3.0 x4	Host Port Interface	SFF-8639
Device Port Interface	M.2	Number of devices	2x M.2 NVMe SSD
RAID Level Support	RAID 0, 1, Single (JBOD)	Device Form Factor	2242/2260/2280
Enclosure Form Factor	2.5"	Data Transfer Rates:	8GT/s
Operating System Support (Windows compatibility)	Windows 11/10/8.1, Windows Server 2022/2019/2016/2012, and 2008(64-bit editions), Hyper-V	Dimensions	3.93" W x2.75" D x0.58" H
Operating System Support (Linux compatibility)	VMware, Proxmox, Citrix Hypervisor, Linux kernel 3.10.0 and later	Weight	0.33lbs.
LED Indicator	RAID Level & Status	Warranty	1 Year
Enclosure Design	Robust, all-aluminum construction protects & cools M.2 SSDs.	Compliance Certification	CE, FCC, RoHS, REACH, WEEE
Cooling system	Full aluminum construction & cooling fins direct heat away from NVMe media	Operating Environment	
Storage & Management Features		Working Temperature	+5°C ~ + 55°C
Management Software	CLI, WebGUI, UEFI Package, MP Tool	Storage Temperature	-20°C ~ +80°C
Special Features	Power Loss Protection (PLP), RAID Switch (configure or delete RAID arrays using the built-in dial), NVMe_MI support	Operating Voltage	12V
Kit Contents		Power	Typical:
RM220 Enclosure, QIG		MTBF	920,585 Hours

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