Dual-Bay M.2 NVMe SSD to PCIe x8 Removable Mobile Rack; Bifurcation Required; Tool-less Installation, PCIe Backplane w/Two Hot-Swap Drive Bays

Product ID: 2M2-REMOVABLE-PCIE



Utilize an available PCIe x8 expansion slot to install, remove, or swap PCIe M.2 SSDs. Supports 2230, 2242, 2260, and 2280 M-Key M.2 NVMe SSDs with high-performance read/write speeds up to 64Gbps per drive.

Toolless installation allows an M.2 drive to be placed into the drive tray or inserted into the drive bay without needing tools. It features a power/activity LED indicator, a latching drive tray, and a lockable installation with two included keys.

Provide quick-swap external access to internal M.2 NVMe drives without needing external enclosures or adapters, which can affect throughput. Without chipsets or adapters, the drives maintain full performance of up to 64Gbps per drive. The ability to quickly remove drives is ideal for servicing, replacing, or upgrading M.2 drives. Additional drive trays, TR-M2-REMOVABLE-PCIE, are sold separately.

Vented stainless steel frame, bracket, and tray with thermal pads, along with an aluminum cover and active cooling fans help dissipate heat to ensure the drives stay cool during operation. Anti-vibration springs on the drive tray reduce shock or vibrations, and an optional screw provides additional stability.

No on-board chip means to no drivers or software requirements and is compatible with any operating system, including Windows and Linux. M.2 backplane works with PCI Express 4.0/3.0 motherboards that support PCIe bifurcation and have an available x8 or x16 slot.

Certifications, Reports and Compatibility

Applications

• Add a high-speed external storage solution to quickly transfer and backup large files, such as videos, images, and project files

Features

• DUAL REMOVABLE M.2 DRIVE BAYS: Use an available PCIe 4.0 x8 or x16 expansion slot to install, swap, or upgrade PCIe M.2 SSDs; Supports 2230, 2242, 2260, and 2280 M-Key M.2 NVMe SSDs; Additional drive trays sold separately (TR-M2-REMOVABLE-PCIE)

• TOOLLESS INSTALLATION: Install an M.2 drive into the drive tray or insert the tray into the drive bay without the need for tools; Power/Activity LED indicator; Drive tray features a latching mechanism and is lockable for secure installation (2 keys incl.)

• EFFECTIVE EXPANSION: Provide quick-swap external access to internal M.2 NVMe drives without requiring external enclosures or adapters; Maintain full drive performance of up to 64Gbps per drive; Ideal for servicing, replacing, or upgrading M.2 drives

• RELIABLE PERFORMANCE: Vented stainless steel frame, bracket, & tray w/thermal pads, along w/an aluminum cover & active cooling fans, aid in heat dissipation; Anti-vibration springs on the drive tray reduce shock or vibrations; Optional screw for stability

• COMPATIBILITY: No drivers or software required and works w/any OS (e.g.,Windows, Linux); Compatible with PCI Express 4.0/3.0 motherboards with PCIe Bifurcation and an available x8 or x16 slot; PCIe bifurcation required; Not compatible with M.2 SATA drives

General		
	UPC	065030904650
	Warranty	2 Years
Special Notes / Requirements		
	Special Notes	This product is not compatible with M.2 SATA drives. NVMe SSDs require drivers provided by the manufacture of the drive or may be natively provided by the OS (Windows 8 and later - Mac OS 10.10.3 and later). Earlier OS versions do not have native NVMe support. Consult the documentation that came with the Computer/Motherboard for details regarding how to enable and configure PCIe Bifurcation.
	System and Cable Requirements	PCIe bifurcation is required to read and write to multiple drives

Power		
	Power Source	Bus Powered
Physical & Environmental		
	Color	Black
	Product Length	4.8 in [12.1 cm]
	Product Width	7.3 in [18.6 cm]
	Product Height	0.7 in [19.0 mm]
	Weight of Product	13.2 oz [373.0 g]
	Operating Temperature	0C to 50C (32F to 122F)
	Storage Temperature	-10C to 60C (14F to 140F)
	Humidity	10% ~ 60% RH
Performance		
	Maximum Data Transfer Rate	128Gbps
	TRIM Support	Yes
	S.M.A.R.T. Support	Yes
	4Kn Support	Yes
	SATA Type and Rate	PCI Express 4.0 (16 Gbps per lane)
	RAID	No
	Hot Swap Capability	Yes
	MTBF	40,000 Hours
Hardware		
	Fans Included? Yes/No	Yes
	Front Door Key Lock	Yes
	Interface	PCI Express x8
	Bus Type	PCI Express
	Industry Standards	PCI Express 4.0

	Number of Drives	2
	Drive Size	22 mm - M.2 NVMe
	Compatible Drive Types	M.2 (PCIe, NVMe, M-Key, NGFF)
	Drive Installation	Removable
	Supported Drive Height(s)	2230
		2242
		2260
		2280
	LED Indicators	2 - Red: Connected Drive is Not Supported
		2 - Green: Connected Drive is Supported
		2 - Yellow: Flashes to indicate Drive Activity

Packaging & In-the-Box

	Included in Package	1 - Dual-Bay M.2 NVMe SSD Backplane
		2 - Removable M.2 Drive Tray
		2 - M.2 Drive Mounting Screw
		1 - Set of Keys
		1 - Quick-Start Guide
	Package Width	5.9 in [15.1 cm]
	Package Depth	9.1 in [23 cm]
	Package Height	1.8 in [46 mm]
	Shipping (Package) Weight	16.5 oz [468 g]

Connector(s)

	Host Connector 1 (Quantity)	1
	Host Connector 1	PCI Express x8

Connector 1 (Quantity)	2
Connector 1	M.2 M-Key (PCIe, AHCI / NVMe)

Product appearance and specifications are subject to change without notice.