M.2 NVMe SSD to PCIe x4 Mobile Rack/Backplane with Removable Tray for PCI Express Expansion Slot, Tool-less Installation, PCIe 4.0/3.0 Hot-Swap Drive Bay, Key Lock - 2 Keys Included

Product ID: M2-REMOVABLE-PCIE-N1



Utilize an available PCIe 4.0 x4 expansion slot for the installation, removal, or interchange of PCIe M.2 SSDs. The drive tray accommodates M-Key M.2 NVMe SSDs in 2230, 2242, 2260, and 2280 sizes.

Install an M.2 drive into the drive tray and insert the tray into the drive bay, without the need for tools. The drive tray features a power/activity LED indicator to monitor drive status. A latching mechanism with optional lock (2 keys included) deters the theft of mission-critical data storage devices.

The vented stainless-steel frame and tray with thermal pads aids heat dissipation, ensuring optimal and reliable performance while reducing potential thermal throttling. Anti-vibration springs on the drive tray reduce impact during installation and enhance the overall stability and longevity of the drive. A low-profile bracket is included for small form-factor systems.

Additional drive trays (TR-M2-REMOVABLE-PCIE, sold separately) provide flexibility and convenience when managing multiple M.2 drives. NVMe PCIe hot swap support is dependent on the motherboard. Verify hot swap support with the manufacturer of the motherboard, and for instructions regarding how to enable this feature.

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

• REMOVABLE M.2 DRIVE BAY: Use an available PCIe 4.0 x4 expansion slot to install, remove, or swap PCIe M.2 SSDs (NVMe or AHCI); Supports 2230, 2242, 2260, and 2280 M-Key M.2 NVMe SSDs; Capable of reaching high-performance read/write speeds up to 64Gbps

• 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.)

• OPTIMAL PERFORMANCE: Vented stainless steel frame, bracket, and tray with thermal pads and aluminum cover aid heat dissipation; Anti-vibration springs on the drive tray reduce shock or vibrations; Optional screw for stability; Incl. Low-profile bracket

• COMPATIBILITY: No drivers or software required and works on any operating system including Windows, Windows Server, Linux; Supports PCI Express 4.0 and 3.0 motherboards with an available x4, x8, or x16 slot; Not compatible with M.2 SATA drives

• HOT SWAP: Additional drive trays (TR-M2-REMOVABLE-PCIE, sold separately) offer flexibility/convenience when working with multiple drives; PCIe hot swap support is dependent on the motherboard, check with the manufacturer to confirm support

Hardware

Warranty	2 Years
Front Door Key Lock	Yes
Fan(s)	No
Interface	M.2 PCIe (x4 PCIe)
Bus Type	PCI Express
Industry Standards	PCI Express 4.0
Number of Drives	1
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
Performance		
	Maximum Data Transfer Rate	64Gbps
	TRIM Support	Yes
	4Kn Support	Yes
	S.M.A.R.T. Support	Yes
	Shock Protection	Yes
	Type and Rate	PCI Express 4.0 (16 Gbps per lane)
	Hardware Raid Supported	No
	Hot Swap Capability	Yes
	MTBF	10,000 Hours
Connector(s)		
	Drive Connectors	1 - M.2 (NVMe, M-Key, PCIe x4)
	Host Connectors	1 - PCI Express x4
Software		
	OS Compatibility	No Drivers or Software Required
Indicators		
	LED Indicators	1 - Red: Connected Drive is Not Supported
		1 - Green: Connected Drive is Supported
		1 - Yellow: Flashes to indicate Drive Activity
Power		
	Power Source	Bus Powered
Environmental		
	Operating Temperature	0C to 65C (32F to 149F)

	Storage Temperature	-35C to 70C (-31F to 158F)
	Humidity	0% ~ 90% RH
Physical Characteristics		
	Color	Black & Silver
	Product Length	6.6 in [16.7 cm]
	Product Width	4.7 in [12.0 cm]
	Product Height	0.7 in [1.9 cm]
	Weight of Product	2.3 oz [65.0 g]
Packaging Information		
	Package Quantity	1
	Package Length	9.1 in [23.0 cm]
	Package Width	5.9 in [15.1 cm]
	Package Height	1.8 in [4.6 cm]
	Shipping (Package) Weight	8.8 oz [249.0 g]
What's in the Box		
	Included in Package	1 - M.2 to PCIe Adapter Card
		1 - Low-Profile Bracket
		1 - M.2 Drive Tray
		1 - Set of Keys
		1 - Quick-Start Guide

Product appearance and specifications are subject to change without notice.