Dual M.2 PCIe SSD Adapter Card, PCIe x8 / x16 to Dual NVMe or AHCI M.2 SSDs, PCI Express 4.0, 7.8GBps/Drive, Bifurcation Required - Windows/Linux Compatible

Product ID: DUAL-M2-PCIE-CARD-B



This Dual M.2 PCIe SSD Adapter adds two high performance PCIe M.2 SSDs (NVMe and AHCI) into the PCIe x8 or x16 slot of a desktop, workstation, or server.

Take full advantage of the fast performance and compact size of PCIe M.2 internal solid-state drives, with read and write speeds up to 7.8GBps per drive.

No on-board chip leads to wide system compatibility. This card requires PCIe bifurcation, meaning it easily integrates into any system with an available x8 or x16 PCIe slot that supports PCIe bifurcation.

Utilize software RAID, such as Storage Spaces (Microsoft) or mdraid/mdadm (Linux), to build a RAID array, adding redundancy or enhancing system performance.

The PCIe M.2 NGFF (M Key or B+M Key) adapter supports PCIe NVMe and PCIe AHCI M.2 SSDs including 2242, 2260, 2280 and 22110mm drives. The PCIe M.2 Adapter Card does not require any software or drivers, meaning it works with most operating systems, if the computer/motherboard supports bifurcation.

The included full and low-profile vented brackets increase air flow to improve heat dissipation, which aids in maintaining optimal and reliable operating temperatures.

The DUAL-M2-PCIE-CARD-B is backed for 2-years by StarTech.com, including free 24/5 multi-lingual technical assistance

Certifications, Reports and Compatibility



Applications

• Connect two PCIe M.2 SSDs to your desktop computer or server to boost system speed and increase internal data storage

• Get ultra-fast data access, ideal for high-performance workstations

Features

• HIGH PERFORMANCE: Install 2x PCIe M.2 SSDs (NVMe or AHCI) into a computer or server through an available x8 or x16 PCI Express 4.0 slot for ultra-fast data access, capable of reaching high performance read and write speeds up to 7.8GBps per drive

• WIDE COMPATIBILITY: This Dual M.2 PCIe SSD adapter card was extensively tested to ensure compatibility with Samsung 980 Pro, 970 EVO, 950 EVO, SM951, and other 2242/2260/2280/22110mm PCIe M-Key M.2 SSDs Not compatible with SATA based M.2 drives

• BACKWARDS COMPATIBILITY: Compatible with PCIe 3.0 motherboards with PCIe bifurcation and an available x8 or x16 PCIe slot PCIe bifurcation is required Works with all workstation and server OS's such as Windows, Windows Server, and Linux

• SOFTWARE RAID FUNCTIONALITY: The M.2 PCI Express adapter enables access to your M.2 PCIe SSDs individually With OS or 3rd party RAID software, build an array to add redundancy, higher capacity, or performance through RAID 0, RAID 1, or JBOD

• VENTED BRACKETS: Pre-installed full profile bracket with included low-profile (half-height) bracket in the box Vented brackets allow for better air flow which helps avoid overheating that can cause drive throttling

Hardware

Warranty	2 Years
Interface	M.2 PCIe
Bus Type	PCI Express
Number of Drives	2
Drive Size	22 mm - M.2 NVMe
Compatible Drive Types	M.2 (PCIe, NVMe, M-Key, NGFF)
Drive Installation	Fixed
Supported Drive Height(s)	2242

		2260
		2280
		22110
Performance		
	Type and Rate	PCI Express 4.0 (16 GBps)
	Hardware Raid Supported	No
	Hot Swap Capability	No
	MTBF	6,493,014 hrs
Connector(s)		
	Drive Connectors	2 - M.2 (NVMe, M-Key, PCIe x4)
	Host Connectors	1 - PCI Express x8
Software		
	OS Compatibility	No Drivers or Software Required
Special Notes / Requirements		
	System and Cable Requirements	For multiple drives to be detected by the host system, bifurcation support is required on the computer/motherboard.
	Note	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.
Indicators		
	LED Indicators	2 - Header pins, for drive activity
Environmental		
	Operating Temperature	-40C to 80C (-40F to 176F)
	Storage Temperature	-40C to 85C (-40F to 185F)
	Humidity	15 ~ 90% RH

Physical Characteristics		
	Color	Red
	Product Length	9.0 in [22.8 cm]
	Product Width	4.0 in [10.2 cm]
	Product Height	0.9 in [2.2 cm]
	Weight of Product	2.6 oz [74.0 g]
Packaging Information		
	Package Length	11.4 in [29.0 cm]
	Package Width	6.7 in [17.0 cm]
	Package Height	1.2 in [3.0 cm]
	Shipping (Package) Weight	6.8 oz [192.0 g]
What's in the Box		
	Included in Package	1 - PCIe to M.2 Adapter Card
		1 - Low Profile Bracket
		1 - Quick-Start Guide
		1 - Set of Mounting Screws

Product appearance and specifications are subject to change without notice.