

x8 Dual M.2 PCIe SSD Adapter - PCIe 3.0

Product ID: PEX8M2E2



Upgrade your system speed and performance with this Dual M.2 PCIe SSD Adapter. It lets you add two high performance, enterprise-class PCIe 3.0 M.2 SSDs (NVMe and AHCI) into the PCIe 8-lane or larger slot of your desktop workstation or server.

Boost System Performance

The expansion card lets you take full advantage of the fast performance and compact size of PCIe M.2 internal solid-state drives. With the M.2 PCIe based drives in place, the adapter increases your storage capacity and gives your computer a significant speed boost, enhancing data transfer rates.

Access two M.2 PCIe SSDs simultaneously

The dual M.2 to PCIe expansion card employs a high-speed ASM2824 switch, allowing you to access two drives at the same time. Since the adapter card does not rely on PCIe bifurcation, it can easily be integrated into all systems, new and legacy.

The M.2 PCI express adapter also gives you the flexibility to access your M.2 PCIe SSDs individually. Or, you can utilize software RAID to build a RAID array to add redundancy or enhance system performance.

Wide System Compatibility

The adapter connects directly to your computer motherboard to support two PCIe M.2 SSDs through a x8 PCIe expansion slot. The adapter is compatible with PCIe 3.0 motherboards and is backward compatible with PCIe 2.0 and PCIe 1.0.

Supports a Wide Range of PCIe M.2 SSDs

The PCIe M.2 NGFF (M Key) adapter supports PCIe 3.0 NVMe and PCIe-AHCI M.2 SSDs including 2242, 2260, and 2280 drives, supporting the most common drive sizes: 42, 60, and 80 mm lengths.

Easy to Install

The expansion card comes with a full-profile bracket pre-installed, and includes a half-height / low-profile bracket, for installation in small form-factor computers.

Vented Brackets

Vented brackets on the PCIe M.2 NGFF SSD adapter card increases air flow to assist in heat dissipation.

The TAA compliant PEX8M2E2 is backed by a StarTech.com 2-year warranty and free lifetime technical support.

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
- Install your operating system on an M.2 PCIe based drive for fast access, while keeping larger platter drives available for bulk storage

Features

- Boost system speed and performance, by adding two PCIe M.2 SSDs into the x8 or larger PCIe slot of your PC or server
- The adapter's high-speed switch lets you access two PCIe M.2 SSDs simultaneously
- Supports PCIe M.2 SSDs (NVMe and AHCI) in 42, 60, and 80 mm lengths
- Compatible with PCIe 3.0 motherboards, and backward compatible with PCIe 2.0 and PCIe 1.0
- Includes both full profile (pre-installed) and low profile brackets, vented for heat dissipation

Hardware	Warranty	2 Years
	Bus Type	PCI Express
	Chipset ID	ASMedia - ASM2824
	Compatible Drive Types	M.2 (PCIe, AHCI, M-Key, NGFF)
		M.2 (PCIe, NVMe, M-Key, NGFF)
	Drive Installation	Fixed
	Drive Size	22m - M.2 NGFF
	Interface	PCI Express x8
	Number of Drives	2
	Supported Drive Height(s)	2242
2260		
2280		
Performance	Hot Swap Capability	No
	Insertion Rating	60 cycles
	MTBF	3336103 hours
	Type and Rate	PCI Express 3.0 (8 Gbps)
Connector(s)	Drive Connectors	2 - M.2 (PCIe, M-Key, AHCI/NVMe, NGFF)
	Host Connectors	1 - PCI Express x8 Male
	Other Interface(s)	2 - IDC (2 pin, Motherboard Header)
Software	OS Compatibility	OS independent; No software or drivers required
Environmental	Humidity	15% ~ 90% RH
	Operating Temperature	0°C to 70°C (32°F to 158°F)
	Storage Temperature	-25°C to 70°C (-13°F to 158°F)
Physical Characteristics	Color	Red
	Product Height	22.000
	Product Length	174.000
	Product Width	122.000
	Weight of Product	88.000
Packaging Information	Package Height	1.8 in [45 mm]
	Package Length	6.1 in [155 mm]

	Package Width	8.5 in [215 mm]
	Shipping (Package) Weight	6.9 oz [195 g]
What's in the Box	Included in Package	1 - x8 PCI Express to Dual M.2 PCIe SSD Adapter 1 - Low-Profile Bracket 1 - Full-Profile Bracket (Pre-installed) 2 - SSD Standoff and Installation Screws 1 - Quick-Start Guide

Product appearance and specifications are subject to change without notice.