Dual M.2 PCIe SSD Adapter Card - x8 / x16 Dual NVMe or AHCI M.2 SSD to PCI Express 3.0 - M.2 NGFF PCIe (M-Key) Compatible - Supports 2242, 2260, 2280 - JBOD - Mac & PC
Product ID: PEX8M2E2

Upgrade your system speed and performance with thisDualM.2 PCIe SSD Adapter.It lets you addtwo high performance, enterprise-class PCIe 3.0 M.2 SSDs(NVMe and AHCI) into the PCIe8-laneor larger slot ofyour desktop workstation or server.

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 baseddrives in place, the adapterincreases your storage capacity and gives your computer a significant speed boost, enhancing data transfer rates.

The dual M.2 to PCIe expansion card employs a high-speed ASM2824switch, allowing you to access two drives at the same time.Since the adapter carddoes not rely onPCIe 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 yourM.2 PCIe SSDs individually. Or, you can utilize software RAID to build a RAID array to add redundancy or enhance system performance.

Theadapterconnects directly to your computer motherboard to support two PCIe M.2 SSDs through ax8PCIe expansion slot. The adapteris compatible with PCIe 3.0 motherboards and is backward compatible with PCIe 2.0 and PCIe 1.0.

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

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 on thePCIe M.2 NGFF SSD adapter cardincreases 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

• HIGH PERFORMANCE: Install 2 PCIe 3.0 M.2 SSDs (NVMe or AHCI) into your workstation or server for read/write speeds up to 3GB/s and 2.8GB/s for single-drives or 2.4GB/s and 1.42GB/s (per drive) for 2
• WIDE COMPATIBILITY: Dual M.2 PCIe SSD adapter card was extensively tested to ensure compatibility w/ Samsung 970 evo, 950 Pro, SM951, & other 2242, 2260, 2280mm PCIe M-Key M.2 NGFF SSDs (NVMe or AHCI)
• BACKWARD COMPATIBILITY: Compatible w/ PCIe 1.0 & 2.0 and x8 or x16 slots, PCIe bifurcation is not required. Works with all workstation and server OS's such as Windows, Linux, and macOS incl. legacy.
• RAID FUNCTIONALITY: M.2 PCI Express adapter lets you use SSDs individually or in a storage pool using OS or 3rd party RAID software (RAID 0, 1, SPAN, JBOD) for tiered/hybrid storage
• VENTED DUAL-PROFILE BRACKETS: Pre-installed full profile bracket with low-profile (half-height) bracket in box & vented design for better cooling, avoiding drive throttling and improving reliability.

Hardware	Warranty	2 Years
	Interface	PCI Express x8
	Bus Type	PCI Express
	Number of Drives	2
	Drive Size	22m - M.2 NGFF
	Compatible Drive Types	M.2 (PCIe, AHCI, M-Key, NGFF)
	Compatible Drive Types	M.2 (PCIe, AHCI, M-Key, NGFF)
	Drive Installation	Fixed
	Supported Drive Height(s)	2242
		2260
	Supported Drive Height(s)	2280
	Supported Drive Height(s)	ASMedia - ASM2824
	Chipset ID	

Performance	Type and Rate	PCI Express 3.0 (8 Gbps)
	Hardware Raid Supported	No
	Hot Swap Capability	No
	Insertion Rating	60 cycles
	MTBF	3336103 hours

Connector(s)	Drive Connectors	M.2 (PCIe, M-Key, AHCI/NVMe, NGFF)
	Host Connectors	PCI Express x8
	Other Interface(s)	IDC (2 pin, Motherboard Header)

Software	OS Compatibility	OS independent; No software or drivers required

Environmental	Operating Temperature	0C to 70C (32F to 158F)
	Storage Temperature	-25C to 70C (-13F to 158F)
	Humidity	15% ~ 90% RH

Physical Characteristics	Color	Red
	Product Length	6.3 in [1.6 cm]
	Product Width	0.6 in [16 mm]
	Product Height	2.7 in [69 mm]
	Weight of Product	3.1 oz [88 g]

Packaging Information	Package Length	8.5 in [2.2 cm]
	Package Width	6.2 in [1.6 cm]
	Package Height	1.6 in [40.000 mm]
	Shipping (Package) Weight	7.1 oz [201.000 g]

What's in the Box	Included in Package	x8 PCI Express to Dual M.2 PCIe SSD Adapter
	Included in Package	Full-Profile Bracket (Pre-installed)
	Included in Package	Low-Profile Bracket
	Included in Package	SSD Standoff and Installation Screws
	Included in Package	Quick-Start Guide