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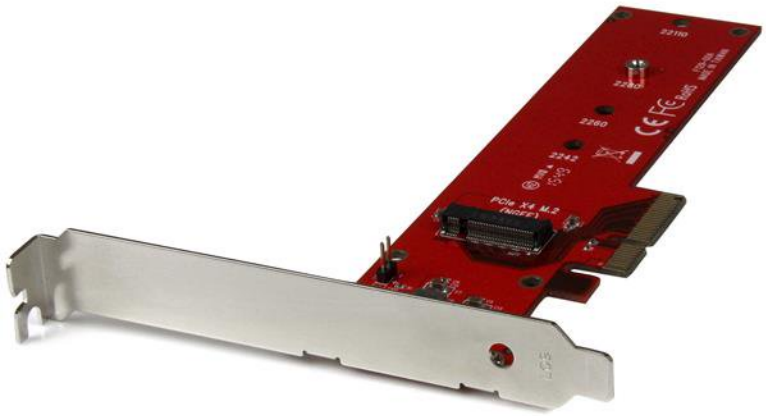
Data Sheet

x4 PCI Express to M.2 PCIe SSD Adapter

Product ID: PEX4M2E1



Get ultra-fast data access by adding a PCIe M.2 SSD to your existing computer. This adapter lets you add a high-speed, 4-lane M.2 SSD (PCIe-based), such as a Samsung 950 Pro or Samsung SM 951, to a PC with an available x4 PCI Express expansion slot. You can mount the PCIe M.2 drive directly onto the adapter, giving you an easy and convenient way to improve your system performance and expand overall internal storage.

Boost your system speed and performance

The expansion card lets you take full advantage of the fast performance and compact size of PCIe M.2 internal solid-state drives. The adapter connects directly to your computer motherboard to support an M.2 PCIe-based SSD (NVMe or AHCI) through ultra-fast x4 PCIe. The adapter is compatible with PCIe 3.0 motherboards and is also backward compatible with PCIe 2.0 and PCIe 1.0. With the M.2 PCIe based drive in place, the adapter gives your computer a significant speed boost.

Supports PCIe M.2 SSDs

The adapter supports PCIe 3.0 x4 NVMe (M Key) and PCIe-AHCI M.2 SSDs including 2242, 2260, 2280, and 22110 drives. The expansion slot adapter supports the most common drive sizes including 110 mm, 80 mm, 60 mm and 42 mm.

Easy to install

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

The PEX4M2E1 is backed by a StarTech.com 2-year warranty and free lifetime technical support.

Certifications, Reports and Compatibility

RoHS Compliant Available

Applications

- Connect a PCIe M.2 SSD to your computer through an available x4 PCI Express expansion slot to boost system speed and increase internal data storage
- Get ultra-fast data access, ideal for gaming or 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 a PCIe M.2 SSD to your PC
- Supports PCIe M.2 SSDs (NVMe and AHCI): 2242, 2260, 2280, and 22110 drives
- Compatible with PCIe 3.0 motherboards, and backward compatible with PCIe 2.0 and PCIe 1.0
- Fast and easy setup with native OS support
- Installs into x4, x8 or x16 PCIe slots
- Equipped with a full-profile bracket, and includes a half-height/low-profile bracket for installation in small form-factor computers

	Warranty	2 Years
Hardware	Bus Type	PCI Express
	Compatible Drive Types	M.2 (NGFF, M-Key, PCIe x4)
	Drive Installation	Fixed
	Drive Size	22m - M.2 NGFF
	Interface	PCI Express
	Number of Drives	1
	Supported Drive Height(s)	2242
		2260
		2280
		22110
Performance	Hot Swap Capability	No
Connector(s)	Drive Connectors	1 - M.2 (NGFF, M-Key, PCIe x4)
	Host Connectors	1 - PCI Express x4 Male
Software	OS Compatibility	OS independent; No software or drivers required
Indicators	LED Indicators	1 - Pin header on board for drive LED connection
Environmental	Humidity	15% ~ 90% RH
	Operating Temperature	5°C to 50°C (41°F to 122°F)
	Storage Temperature	-25°C to 70°C (-13°F to 158°F)
Physical Characteristics	Color	Red
	Max Drive Height	4.3 in [110 mm]
	Product Height	7.2 in [184 mm]
	Product Length	7 in [179 mm]
	Product Weight	1.7 oz [47 g]
	Product Width	4.8 in [121 mm]
Packaging Information	Shipping (Package) Weight	5.3 oz [151 g]
What's in the Box	Included in Package	1 - x4 PCI Express® to M.2 PCIe SSD Adapter
		1 - low-profile bracket
		1 - full-profile bracket (pre-installed)
		1 - SSD standoff and installation screw

1 - quick start guide

Product appearance and specifications are subject to change without notice.