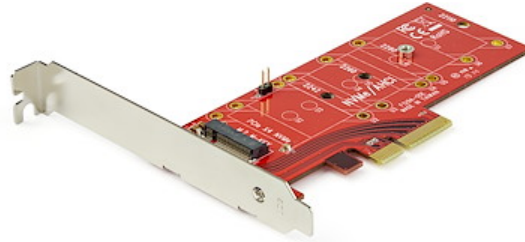x4 PCI Express 3.0 to M.2 PCIe NVMe SSD Adapter

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.

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.

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.

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

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
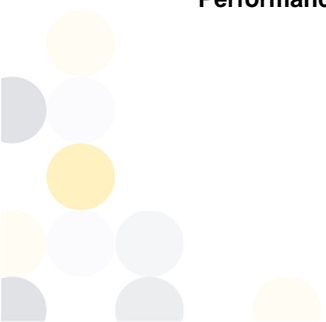
Hardware

	Warranty	2 Years
	Interface	PCI Express x4
	Bus Type	PCI Express
	Number of Drives	1
	Drive Size	22m - M.2 NGFF
	Compatible Drive Types	M.2 (PCIe, AHCI, M-Key, NGFF)
		M.2 (PCIe, AHCI, M-Key, NGFF)
	Drive Installation	Fixed
	Supported Drive Height(s)	2242
		2260
		2280
		22110

Performance

	Type and Rate	PCI Express 3.0 (8 Gbps)
	Hardware Raid	No

Supported

Hot Swap Capability	No

Connector(s)

Drive Connectors	M.2 (PCIe, M-Key, AHCI/NVMe, NGFF)
Host Connectors	PCI Express x4

Software

OS Compatibility	OS independent; No software or drivers required

Special Notes / Requirements

Note	An operating system that natively supports PCIe SSDs (NVMe), such as:- Windows 8 and later- Mac OS 10.10.3 and later

Indicators

LED Indicators	Pin header on board for drive LED connection

Environmental

Operating Temperature	5C to 50C (41F to 122F)
Storage Temperature	-25C to 70C (-13F to 158F)
Humidity	15% ~ 90% RH

Physical Characteristics

Color	Red
Material	Steel
Max Drive Height	4.3 in [11 cm]
Product Length	5.3 in [13.5 cm]
Product Width	3.1 in [80.0 mm]
Product Height	0.2 in [4.0 mm]
Weight of Product	1.7 oz [47.0 g]

Packaging Information

Package Length	6.3 in [15.9 cm]

Package Width	8.6 in [21.9 cm]
Package Height	1.8 in [46.0 mm]
Shipping (Package) Weight	5.3 oz [151.0 g]

What's in the Box

Included in Package	x4 PCI Express to M.2 PCIe SSD Adapter
	low-profile bracket
	full-profile bracket (pre-installed)
	SSD standoff and installation screw
	quick start guide

*Product appearance and specifications are subject to change without notice.