

2x M.2 SSD Controller Card - PCIe

StarTech ID: PEX2M2



This M.2 SSD controller card lets you install two M.2 SATA solid-state drives (SSD) into your PC through PCI Express. You can mount virtually any M.2 drive directly to the card, giving you a convenient and discreet way to improve your computer system performance.

Leverage the speed and size of M.2 drives

This M.2 controller card lets you take full advantage of the performance and size benefits of NGFF (Next Generation Form Factor) SSDs. M.2 drives are smaller than typical platter drives or mSATA-based SSDs, so you can install them in tighter areas within your computer case. By freeing up space within your computer, you'll also have more room for additional hardware upgrades.

When you couple the card with an M.2 drive, you can give your computer's performance a noticeable speed boost, enabling you to replace your platter drive with a faster M.2 SATA III (6Gbps) solid-state drive. By installing your operating system on the M.2 drive, you'll have faster access to the files you commonly use, and you can continue to use your higher-capacity platter HDD for bulk storage.

Wide compatibility

You can rest assured that your M.2 SATA drives are compatible with the card. It supports the most common drive sizes, including 22110, 2280, 2260, 2242 and 2230.

The M.2 controller provides additional installation flexibility with a dual-profile design that fits standard or low-profile cases, so it's the perfect solution for small form-factor or full-sized computers.

Get up and running quickly

This M.2 SSD controller card is easy to install, with native OS support and no additional drivers or software required.

The PEX2M2 is backed by a StarTech.com 2-year warranty and free lifetime technical support.

Applications

- Connect an M.2 drive to your computer through PCI Express
- Install your operating system on an M.2 drive for fast access, while keeping larger platter drives available for bulk storage
- Get the most out of your SSDs by installing two AHCI SATA III drives discreetly inside your computer tower

Features

- Improve the overall performance of your desktop by adding two M.2 solid-state drives (SSD)
- Wide installation compatibility, with support for virtually all M.2 NGFF drives (22110, 2280, 2260, 2242, 2230)
- Two M.2 B-Key onboard sockets that support SATA III transfer speeds up to 6Gbps
- Adjustable stand-offs, and multiple mounting holes support 110mm, 80mm, 60mm, 42mm, and 30mm SSDs
- Fast, hassle-free setup with native OS support
- Compliant with PCI Express 2.0 standards
- Supports Native Command Queuing (NCQ)
- PCIe bus-powered, or powered by your computer's power supply using a 4-pin floppy power connector (small drive power)
- Equipped with a full-profile bracket, includes a half-height/low-profile bracket for installation in small form-factor computers
- Installs into x2, x4, x8, or x16 PCIe slots

Technical Specifications

Warranty	2 Years
Product Height	4.7 in [120 mm]
Product Length	6.6 in [168 mm]
Product Weight	2.1 oz [60 g]
Product Width	0.8 in [20 mm]
Bus Type	PCI Express
Card Type	Standard Profile (LP bracket incl.)
Chipset ID	ASMedia - ASM1062
Industry Standards	Serial ATA 3.0 specification - SATA I/II/III (1.5/3/6Gbps)
Industry Standards	PCI Express 2.0
Interface	M.2 SATA (NGFF)
Port Style	Integrated on Card
Ports	2
Port Multiplier	No
RAID	No
Type and Rate	SATA III (6 Gbps)
Connector Type(s)	1 - PCI Express x2 Male
Internal Ports	2 - M.2 (NGFF; B-Key) Receptacle
Internal Ports	1 - SP4 (4 pin; Small Drive Power) Male
OS Compatibility	OS Independent; No additional drivers or software required
Note	The maximum throughput of this card is limited by the bus interface. If used with PCI Express Gen 1.0 enabled computers, the max throughput is 2.5Gbps per lane. If used with PCI Express Gen 2.0 enabled computers, the max throughput is 5Gbps per lane.
System and Cable Requirements	PCI Express x2 slot (backward compatible with x4, x8, and x16 slots)
Humidity	20%~80% RH (Non-condensing)

Operating Temperature	5°C to 50°C (41°F to 122°F)
Storage Temperature	-25°C to 70°C (-13°F to 158°F)
Shipping (Package) Weight	5.9 oz [168 g]
Included in Package	1 - M.2 SATA SSD controller card
Included in Package	1 - low-profile bracket
Included in Package	2 - M.2 mounting screws

Certifications, Reports and Compatibility

