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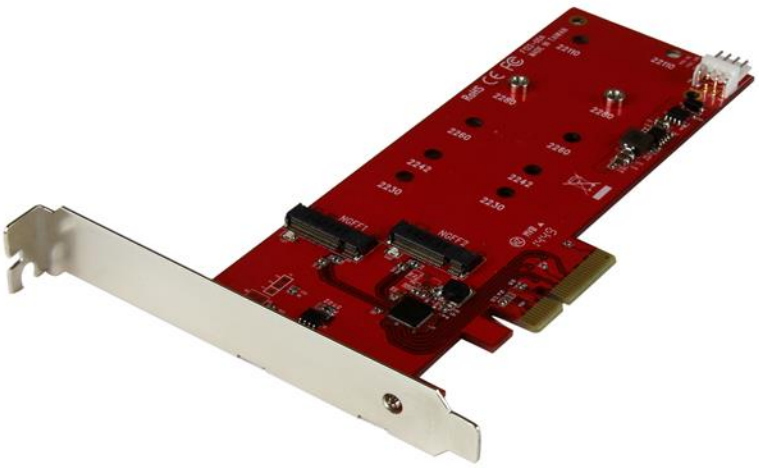
Data Sheet

# 2x M.2 SSD Controller Card - PCIe

Product 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. Plus, the card is a vital computer add-on if you need to recover data from an existing M.2 drive, or for expanding your overall internal storage.

## 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.

## Rest assured, with simple and cost-effective data recovery

Due to their performance and size advantages, M.2 drives are commonly used in laptops. If your laptop has failed but its M.2 drive is functional, then this card can help with data recovery. Once the M.2 drive is installed and the data recovery is complete, you can continue to use the drive for storage and backup purposes.

## Wide compatibility

You can also 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 **i**s backed by a StarTech.com 2-year warranty and free lifetime technical support.

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## Certifications, Reports and Compatibility

RoHS Compliant Available

## Applications

- Access and recover data from almost any M.2 SSD, such as drives pulled from laptops and other computers
- 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 system performance, recover data, or create a redundant data backup by adding two M.2 solid-state drives (SSD) to your desktop PC
- 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 x4, x8, or x16 PCIe slots

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| | Warranty | 2 Years |
| **Hardware** | 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) |
| | | PCI Express 2.0 |
| | Interface | M.2 SATA (NGFF) |
| | Port Style | Integrated on Card |
| | Ports | 2 |
| **Performance** | Port Multiplier | No |
| | RAID | No |
| | Type and Rate | SATA III (6 Gbps) |
| **Connector(s)** | Connector Type(s) | 1 - PCI Express x4 Male |
| | Internal Ports | 2 - M.2 (NGFF, B-Key) Receptacle |
| | | 1 - SP4 (4 pin, Small Drive Power) Male |
| **Software** | OS Compatibility | OS Independent; No additional drivers or software required |
| **Special Notes / Requirements** | **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 x4 slot (backward compatible with x8, and x16 slots) |
| **Environmental** | 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) |
| **Physical Characteristics** | Product Height | 120 mm [4.7 in] |
| | Product Length | 180 mm [7.1 in] |
| | Product Weight | 64 g [2.3 oz] |
| | Product Width | 20 mm [0.8 in] |
| **Packaging Information** | Shipping (Package) Weight | 164 g [5.8 oz] |
| **What's in the Box** | Included in Package | 1 - M.2 SATA SSD controller card |

1 - low-profile bracket

2 - M.2 mounting screws

Product appearance and specifications are subject to change without notice.