

3-Port M.2 SSD (NGFF) Adapter Card - 1 x PCIe (NVMe) M.2, 2 x SATA III M.2 - PCIe 3.0

StarTech ID: PEXM2SAT32N1



This 3-port M.2 SSD adapter card is one of the only cards that supports both PCIe and SATA-based M.2 SSDs (solid-state drives). It's a versatile way to expand the overall storage capacity of your desktop PC or server. Plus, because it supports a high-speed PCIe M.2 drive, you can increase the speed and performance of your computer.

Increase the storage of your desktop PC

If you need a simple and discreet way to expand your computer's storage, then this card can help. The card provides a platform for adding up to three M.2 SSDs to virtually any computer that has a PCIe slot. It supports common M.2 SATA SSDs, as well as newer high-performance M.2 PCIe drives. Now, you have a simple and effective way to expand the storage of your computer, regardless of the M.2 drive types you are using.

Optimize your computer's performance

When you couple this card with a PCI Express based M.2 drive, you can give your computer's performance a noticeable speed boost. With support for PCI Express 3.0 (up to approximately 40Gbps), you can install the latest high-performance M.2 PCIe SSDs inside your computer. With faster performance, you can get more work done in less time.

Peace of mind, 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 still 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.

Leverage the size and speed of M.2 drives

This M.2 card lets you take advantage of the size and performance benefits of NGFF M.2 SSDs. M.2 drives are

smaller than typical platter drives or mSATA-based SSDs, so you can install them in small form-factor PCs and servers, or in tighter areas within your computer case.

Supports a wide range of drives

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

The PEXM2SAT32N1 is backed by a StarTech.com 2-year warranty and free lifetime technical support.

Applications

- Increase the internal storage capacity of your standard or small form-factor computer
- Access and recover data from almost any M.2 SSD, such as drives pulled from laptops and other computers
- Optimize your system for I/O intensive applications such as office suites, photo and video editing, and media players
- Install the card as a vital hardware component when upgrading or building your computer

Features

- Expand the storage and improve the performance of your computer, with slots for two M.2 SATA SSDs and one M.2 PCIe SSD
- Supports PCI Express 3.0 (x4), ideal for a high-performance M.2 PCIe SSD (NVMe)
- SATA slots feature a passthrough design, so your drives can connect to the SATA ports on your host PC
- Full bandwidth is available for each M.2 drive simultaneously (up to approximately 40Gbps for M.2 PCIe drives, and up to 6Gbps for M.2 SATA III drives)
- Wide installation compatibility, with support for a range of M.2 drives (2280, 2260, 2242, 2230)
- Adjustable stand-offs and multiple mounting holes support 80 mm, 60 mm, 42 mm, and 30 mm SSDs
- OS independent with no drivers required, for a fast, hassle-free setup
- Equipped with a full-profile bracket, includes a low-profile (half-height bracket) for installation in small form-factor computers
- Installs into x4, x8, or x16 PCIe slots

Technical Specifications

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| Warranty | 2 Years |
| Bus Type | PCI Express |
| Card Type | Standard Profile (LP bracket incl.) |
| Industry Standards | Serial ATA 3.0 specification - SATA I/II/III (1.5/3/6Gbps) |
| Industry Standards | PCI Express 3.0 |
| Interface | M.2 SATA (NGFF) |
| Interface | SATA |
| Interface | M.2 PCIe (NVMe) |
| Port Style | Integrated on Card |
| Ports | 3 |
| ATAPI Support | Yes |
| Bootable | Yes |
| MTBF | 50,000 Hours |
| Port Multiplier | No |
| RAID | No |
| Type and Rate | SATA III (6 Gbps) |
| Connector Type(s) | 1 - PCI Express x4 Male |
| Internal Ports | 3 - M.2 (NGFF; B-Key) Receptacle |
| Internal Ports | 2 - SATA (7 pin; Data) Plug |
| OS Compatibility | OS Independent; No additional drivers or software required |
| | Note: When installed in a compatible operating system, the card is natively supported and doesn't require any additional drivers or software. However, your operating system must natively support PCIe SSDs (NVMe - Non-Volatile Memory Express). |
| 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 | A computer enabled with PCI Express (PCIe), and an available PCI Express x4, x8, or x16 slot |
| System and | One or two SATA host ports on the host computer (for example, the SATA controller card, or the |

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| Cable Requirements | motherboard SATA ports inside of your computer) |
| System and Cable Requirements | An operating system that natively supports PCIe SSDs (NVMe), such as: - Windows® 7 and later - Mac OS 10.10.3 and later |
| LED Indicators | 3 - M.2 drive status/activity |
| LED Indicators | 1 - Power |
| 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) |
| Product Height | 4.7 in [120 mm] |
| Product Length | 3.9 in [100 mm] |
| Product Weight | 3.5 oz [100 g] |
| Product Width | 0.8 in [20 mm] |
| Shipping (Package) Weight | 3.5 oz [100 g] |
| Included in Package | 1 - 3-port M.2 NGFF SSD adapter card |
| Included in Package | 1 - low-profile bracket |
| Included in Package | 3 - M.2 mounting screws |
| Included in Package | 3 - M.2 mounting standoffs |
| Included in Package | 3 - M.2 mounting nuts |
| Included in Package | 1 - screwdriver |
| Included in Package | 1 - quick-start guide |

Certifications, Reports and Compatibility

