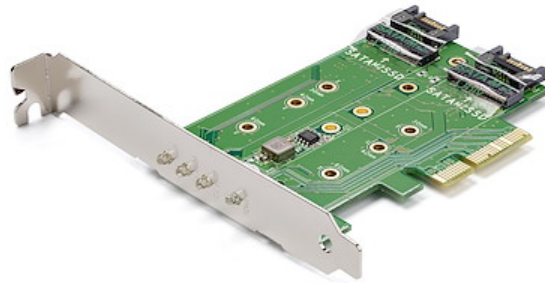


## 3-Port M.2 SSD (NGFF) Adapter Card - 1 x PCIe (NVMe) M.2, 2 x SATA III M.2 - PCIe 3.0

**Product 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.

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.

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.

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.

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.

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.

## Certifications, Reports and Compatibility

## 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

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### Hardware

Warranty	2 Years
Ports	3
Interface	M.2 SATA
	SATA
	M.2 PCIe
Bus Type	PCI Express
Card Type	Standard Profile (LP bracket incl.)
Port Style	Integrated on Card



Industry Standards	Serial ATA 3.0 specification - SATA I/II/III (1.5/3/6Gbps)
	PCI Express 3.0

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**Performance**

Type and Rate	SATA III (6 Gbps)
Port Multiplier	No
Bootable	Yes
Hardware Raid Supported	No
ATAPI Support	Yes
MTBF	50,000 Hours

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**Connector(s)**

Connector Type(s)	PCI Express x4
Internal Ports	M.2 (SATA, B-Key, NGFF)
	M.2 (PCIe, M-Key, AHCI/NVMe, NGFF)
	SATA (7 pin, Data)

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**Software**

OS Compatibility	OS Independent; No additional drivers or software required  <b>Note:</b> 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).
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**Special Notes / Requirements**

System and Cable Requirements	A computer enabled with PCI Express (PCIe), and an available PCI Express x4, x8, or x16 slot
	One or two SATA host ports on the host computer (for example, the SATA controllercard, or the motherboard SATA ports inside of your computer)
	An operating system that natively supports PCIe SSDs (NVMe), such as:
	- Windows 8 and later   - Mac OS 10.10.3 and later
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.

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**Indicators**

LED Indicators	M.2 drive status/activity
	Power

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**Environmental**

Operating Temperature	5C to 50C (41F to 122F)
Storage Temperature	-25C to 70C (-13F to 158F)
Humidity	20%~80% RH (Non-condensing)

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**Physical Characteristics**

Material	Steel
Product Length	4.7 in [12 cm]
Product Width	0.8 in [20 mm]
Product Height	4.7 in [12 cm]
Weight of Product	2.3 oz [65 g]

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**Packaging Information**

Package Length	5.1 in [13 cm]
Package Width	6.4 in [16.2 cm]
Package Height	1.3 in [32 mm]
Shipping (Package) Weight	4.5 oz [127 g]

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**What's in the Box**

Included in Package	3-port M.2 NGFF SSD adapter card
	low-profile bracket
	M.2 mounting screws
	M.2 mounting standoffs
	M.2 mounting nuts



screwdriver

quick-start guide

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

