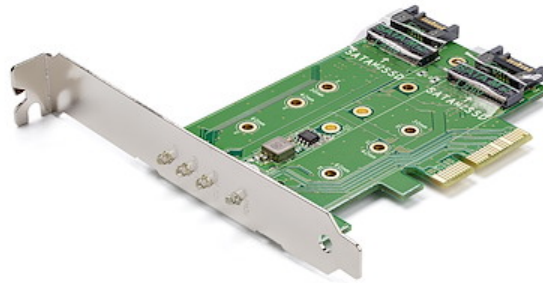3-Port M.2 SSD (NGFF) Adapter Card - 1 x PCIe (NVMe) M.2, 2 x SATA III M.2 - PCIe 3.0 - TAA

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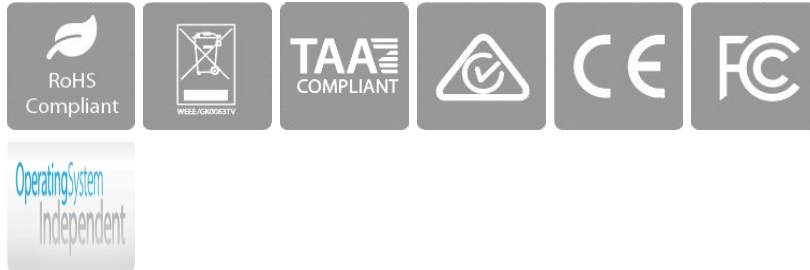
Due to their performance and size advantages, M.2 drives are commonly used in laptops. If your laptop has failed, but its M.2 drive is still functional, then this card can help with data recovery. Once the M.2 drive is installed and the data recovery is complete, you can continue to use the drive for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

• INCREASED PRODUCTIVITY: The M.2 NVME card provides a platform for up to 3x M.2 SSDs (solid-state drives) to any computer that has a PCIe slot. It supports common M.2 SATA SSDs and newer high-performance M.2 PCIe drives

• BETTER PERFORMANCE: This 3-port PCIe M.2 adapter card works two M.2 SATA drives and a single NVMe M.2 drive with support for PCIe 3.0 x4 (40Gbps); Includes standard and low-profile brackets; Power and Activity LED Indicators

• MAXIMUM COMPATIBILITY: This PCIe M.2 adapter card features compatibility with M.2 SATA (B-Key) and M.2 NVMe (M-Key) drives; Supported drive sizes: 2280, 2260, 2242 and 2230; Compatible with PCIe x4 slot or greater

• HELPS WITH DATA RECOVERY: For your failed laptop with functioning M.2 drive, plug this M.2 SATA card to your desktop/workstation to recover your data; A pass-through SATA port connects to an additional drive for convenient data transfer or drive recovery

• THE IT PRO'S CHOICE: Designed and built for IT professionals, this TAA compliant 3-port PCIe M.2 adapter card is backed for 2 years, including free lifetime 24/5 multi-lingual technical assistance

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

Performance

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

Connector(s)

Connector Type(s)	1 - PCI Express x4
Internal Ports	2 - M.2 (SATA, B-Key, NGFF)
	1 - M.2 (PCIe, M-Key, AHCI/NVMe, NGFF)
	2 - SATA (7 pin, Data)

Software

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).

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 <br/ >- 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.

Indicators

LED Indicators	3 - M.2 drive status/activity
	1 - Power

Power

Input Voltage	12V DC
Output Voltage	12V DC

Environmental

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

Physical Characteristics

Color	Green
Material	Steel
Product Length	4.7 in [12 cm]
Product Width	0.8 in [2 cm]
Product Height	4.7 in [12 cm]
Weight of Product	2.3 oz [65 g]

Packaging Information

Package Quantity	1
Package Length	6.4 in [16.2 cm]
Package Width	5.1 in [12.9 cm]

	Package Height	1.3 in [3.3 cm]
	Shipping (Package) Weight	4.4 oz [126.0 g]

What's in the Box

	Included in Package	1 - 3-port M.2 NGFF SSD adapter card
		1 - low-profile bracket
		3 - M.2 mounting screws
		3 - M.2 mounting standoffs
		3 - M.2 mounting nuts
		1 - screwdriver
		1 - quick-start guide

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