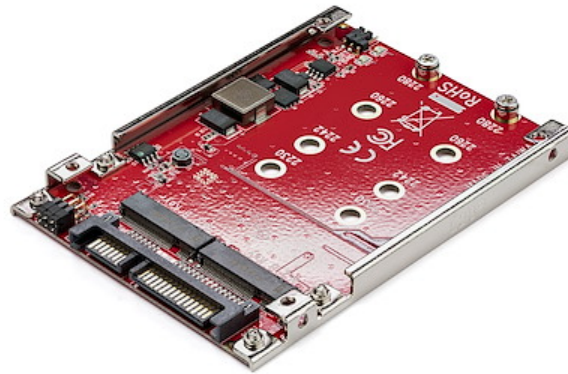


M.2 to SATA Adapter for M.2 SATA SSDs, Dual Slot M2 Drive Host Adapter/Converter with RAID Support, 2.5-Inch Drive Form Factor, TAA

Product ID: S322M225R



Boost your system performance by enhancing the capacity, speed and security of your data storage. This two-drive M.2 to SATA adapter lets you install two M.2 SATA drives instead of a SATA platter drive, in a single 2.5" drive bay, and increase your storage options by configuring a powerful RAID array.

The dual M.2 to SATA adapter supports multiple RAID modes, including RAID 0, 1, or spanning, helping you to achieve greater SSD capacity or data redundancy, depending on your selected RAID mode. The SSD adapter also supports non-RAID operation (JBOD) when paired with a port-multiplying SATA controller, so both drives can be used independently of one another.

The M.2 SATA SSD adapter lets you utilize the full potential of your SATA III controller. Using M.2 SATA SSDs in place of a platter drive reduces your data transfer bottlenecks, giving you file transfer speeds of up to 6Gbps.

The M.2 NGFF SATA RAID adapter also provides TRIM support to enhance the stability and performance of your M.2 NGFF SSDs.

This open-frame adapter is easy to install as it comes with all the necessary installation hardware and doesn't require any extra software or drivers, to get you up and running quickly.

The S322M225R is backed by a StarTech.com 2-year warranty and free lifetime technical support.

Certifications, Reports and Compatibility



Applications

- Take advantage of the speed of M.2 drives in any 2.5" SATA application
- Add data redundancy to your system or increase the storage capacity of your system through RAID
- Retrieve or back up data from M.2 (NGFF) drives using a standard SATA interface
- Access M.2 (NGFF) drives from an external source, such as a SATA drive enclosure or docking station

Features

- **SATA COMPATIBILITY:** This drive adapter is compatible with SATA SSD M.2 drives only; B and B+M key M.2 SSDs in 2230/2242/2260/2280 form factors; Supports SATA I, II, and III (up to 6 Gbps) TRIM, and SMART
- **COMPATIBILITY NOTE:** PCIe M.2 drives (M-key, or B+M key) are NOT supported whether using NVMe or AHCI; Please refer to your drive specs before purchasing; This product only supports M.2 SATA drives
- **HIGH PERFORMANCE:** Build a high-performance storage setup by installing up to two M.2 SATA SSDs in a 2.5" SATA adapter with RAID support (JBOD, SPAN, RAID 0, RAID 1); Important: JBOD requires a SATA port/controller that supports Port Multiplier
- **HASSLE-FREE SETUP:** Open-frame steel mounting bracket with 2.5" SATA form factor fits in any 2.5" SATA bay that supports 7mm tall 2.5" drives; Easy to install with all necessary hardware incl. (M.2 drives and screwdriver not incl.)
- **TRIM SUPPORT:** TRIM support enhances the stability and performance of your M.2 SSDs plus it provides SMART support; TRIM is supported in JBOD and RAID 1, SMART is only supported in JBOD

General

UPC	065030875141
Package Quantity	1
Warranty	2 Years

Special Notes / Requirements

Special Notes	TRIM and SMART have limited support while in a RAID configuration. A SATA controller with Port Multiplier support is required, in addition to the product configured in JBOD mode, to provide full TRIM and SMART support.
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Power

Input Voltage	5V DC / 12V DC
Output Voltage	5 DC

Physical & Environmental

Color	Red
Material	Steel
Product Length	3.9 in [99.8 mm]
Product Width	2.7 in [67.8 mm]
Product Height	0.3 in [6.5 mm]
Weight of Product	1.4 oz [41 g]
Operating Temperature	+5C to +50C (+41F to +122F)
Storage Temperature	-25C to +70C (-13F to +158F)
Humidity	15% to 90%

Performance

Maximum Data Transfer Rate	6 Gbps
TRIM Support	Yes
S.M.A.R.T. Support	Yes
SATA Type and Rate	SATA III (6 Gbps)
Port Multiplier	Yes
RAID	Yes
Hot Swap Capability	No
General Specifications	Not compatible with M.2 NVMe or AHCI PCI-Express SSDs In order to see multiple drives in JBOD mode, your computer's SATA controller must also support Port Multiplier.

Hardware

Interface	SATA
Number of Drives	2
Compatible Drive Types	M.2 (SATA, B-Key, NGFF)
Drive Installation	Fixed

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