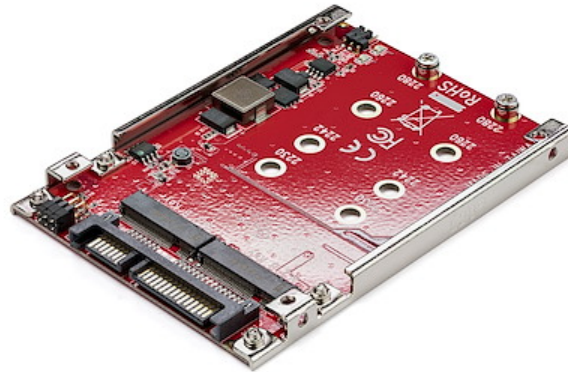


## Dual-Slot M.2 Drive to SATA Adapter for 2.5" Drive Bay - RAID

**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

- Install two M.2 SSD drives into a single 2.5" drive bay
- Multiple RAID modes supported: RAID 0, 1, spanning, or JBOD
- Open-frame steel mounting bracket with 2.5" SATA form factor housing
- Supports 7 mm or larger 2.5" SATA bays
- Supports B key M.2 SATA SSDs - full-length M.2 drives (2230, 2242, 2260, 2280)
- Not compatible with M.2 NVMe or AHCI PCI-Express SSDs
- Supports SATA I, II and III (up to 6Gbps)
- TRIM support to enhance the stability and performance of your M.2 NGFF SSDs
- SMART support
- Easy to install with all necessary hardware included

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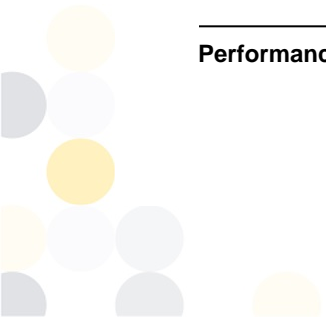
## Hardware

Warranty	2 Years
Interface	SATA
Number of Drives	2
Compatible Drive Types	M.2 (SATA, B-Key, NGFF)
Drive Installation	Fixed
Supported Drive Height(s)	2230
	2242
	2260
	2280
Chipset ID	ASMedia - ASM1092R

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## Performance

Maximum Data Transfer	6 Gbps
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Rate	
TRIM Support	Yes
S.M.A.R.T. Support	Yes
Type and Rate	SATA III (6 Gbps)
Port Multiplier	Yes
Hardware Raid Supported	Yes
Supported RAID Modes	RAID 0 (Striped Disks) RAID 1 (Mirrored Disks) JBOD - (Just a Bunch of Disks) BIG (Spanning or Concatenation)
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.

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**Connector(s)**

Drive Connectors	M.2 (SATA, B-Key, NGFF)
Host Connectors	SATA Data & Power Combo (7+15 pin)

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**Software**

OS Compatibility	OS independent; No software or drivers required
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**Special Notes / Requirements**

Note	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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**Environmental**

Operating Temperature	+5C to +50C (+41F to +122F)
Storage Temperature	-25C to +70C (-13F to +158F)
Humidity	15% to 90%

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**Physical Characteristics**

Color	Red
Material	Steel
Product Length	3.9 in [100 mm]
Product Width	2.8 in [70 mm]
Product Height	0.3 in [7 mm]
Weight of Product	1.4 oz [41 g]

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**Packaging Information**

Package Length	5.6 in [14.2 cm]
Package Width	6.8 in [17.2 cm]
Package Height	1.2 in [30 mm]
Shipping (Package) Weight	3.9 oz [110 g]

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**What's in the Box**

Included in Package	dual M.2 to SATA host adapter
	sets of drive-mounting hardware
	adapter-mounting screws
	quick-start guide

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

