

Dual M.2 NGFF SATA Adapter with RAID

StarTech ID: 25S22M2NGFFR



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 solid-state drives in a single 2.5" drive bay and configure a powerful RAID array.

Build a RAID array to enhance system performance

The dual M.2 to SATA adapter supports multiple RAID modes (RAID 0, 1, BIG) 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 independent of one another.

Maximize file transfer speeds

The dual SSD adapter lets you utilize the full potential of your SATA III controller. Using M.2 SSDs in place of a platter drive reduces your data transfer bottlenecks and gives you file transfer speeds of up to 6 Gbps. M.2 SSDs also save you money by reducing your power consumption over regular platter drives.

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

Get dependable drive protection

The M.2 to SATA adapter features an enclosed housing that helps protect your NGFF (Next Generation Form Factor) SSD. The added protection gives you peace of mind when you are using your M.2 drives in applications that require an added level of durability such as hot-swap drive bays, or external SATA docking stations.

The 25S22M2NGFFR is backed by a StarTech.com 2-year warranty and free lifetime technical support.

Applications

- Add data redundancy to your system, by adding a mirrored SSD (RAID 1)
- Increase the storage capacity of your system by adding an additional SSD in a RAID array (RAID 0/BIG)
- Turn two unused M.2 drives into a regular 2.5in SATA solid-state drive
- Retrieve/backup data from an M.2 (NGFF) drive using a standard SATA computer
- Use M.2 drives in any 2.5 in. SATA application

Features

- Install two M.2 NGFF SSDs into a single 2.5" SATA bay and build a powerful RAID array
- Supports RAID 0, RAID 1, spanning, or JBOD
- Add M.2 SSD performance to any computer system by converting M.2 to SATA
- Protect your M.2 (NGFF) SSDs in any 2.5in application with enclosed housing
- Supports TRIM to help ensure stable performance of your M.2 SSDs
- Supports SATA I/II/III (up to 6Gbps)
- 2.5in SATA form factor housing
- Broad compatibility with support for the most common SATA M.2 SSDs (2230, 2242, 2260, 2280)

Technical Specifications

Warranty	2 Years
Chipset ID	ASMedia - ASM1092R
Compatible Drive Types (Type and Rate)	M.2 (NGFF; B-Key)
Drive Installation	Fixed
Drive Size	22m - M.2 NGFF
Interface	SATA
Number of Drives	2
Supported Drive Height(s)	2230
Supported Drive Height(s)	2242
Supported Drive Height(s)	2260
Supported Drive Height(s)	2280
Maximum Data Transfer Rate	6Gbps
MTBF	500000
Port Multiplier	Yes
RAID	Yes
Supported RAID Modes	RAID 0 (Striped Disks)
Supported RAID Modes	RAID 1 (Mirrored Disks)
Supported RAID Modes	JBOD - (Just a Bunch of Disks)
Supported RAID Modes	BIG (Spanning or Concatenation)
Type and Rate	SATA III (6 Gbps)
Drive Connectors	1 - SATA Data & Power Combo (7+15 pin) Female
Host Connectors	2 - M.2 (NGFF; B-Key) Male
OS Compatibility	OS independent; No software or drivers required
LED Indicators	2 - Drive Error
Humidity	5% ~ 95% RH
Operating Temperature	0°C to 50°C (32°F to 122°F)
Storage Temperature	-10°C to 85°C (14°F to 185°F)
Color	Black & Silver
Enclosure Type	Steel and Plastic
Product Height	0.3 in [8 mm]
Product Length	3.9 in [99 mm]
Product Weight	1.9 oz [55 g]
Product Width	2.8 in [70 mm]

Shipping (Package) Weight	4.2 oz [118 g]
Included in Package	1 - dual M.2 NGFF SATA RAID adapter
Included in Package	2 - M.2 drive mount hardware
Included in Package	4 - screws
Included in Package	1 - mini screwdriver
Included in Package	1 - quick start guide

Certifications, Reports and Compatibility

