

Dual M.2 SATA Adapter with RAID

Product 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.

Certifications, Reports and Compatibility



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)
- Not compatible with M.2 NVMe or AHCI PCI-Express SSDs

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| Hardware | Warranty | 2 Years |
| | Chipset ID | ASMedia - ASM1092R |
| | Compatible Drive Types | M.2 SATA (NGFF, B-Key) |
| | Drive Installation | Fixed |
| | Drive Size | 22m - M.2 NGFF |
| | Interface | SATA |
| | Number of Drives | 2 |
| | Supported Drive Height(s) | 2230 2242 2260 2280 |
| Performance | General Specifications | Not compatible with M.2 NVMe or AHCI PCI-Express SSDs |
| | Maximum Data Transfer Rate | 6Gbps |
| | MTBF | 500000 |
| | Port Multiplier | Yes |
| | RAID | Yes |
| | Supported RAID Modes | RAID 0 (Striped Disks) RAID 1 (Mirrored Disks) JBOD - (Just a Bunch of Disks) BIG (Spanning or Concatenation) |
| | Type and Rate | SATA III (6 Gbps) |
| Connector(s) | Drive Connectors | 1 - SATA Data & Power Combo (7+15 pin) Female |
| | Host Connectors | 2 - M.2 SATA (NGFF, B-Key) Male |
| Software | OS Compatibility | OS independent; No software or drivers required |
| Indicators | LED Indicators | 2 - Drive Error |
| Environmental | 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) |
| Physical Characteristics | Color | Black & Silver |
| | Enclosure Type | Steel and Plastic |
| | Product Height | 0.3 in [8 mm] |

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| | Product Length | 3.9 in [99 mm] |
| | Product Weight | 1.9 oz [55 g] |
| | Product Width | 2.8 in [70 mm] |
| Packaging Information | Shipping (Package) Weight | 4.2 oz [118 g] |
| What's in the Box | Included in Package | 1 - dual M.2 NGFF SATA RAID adapter 2 - M.2 drive mount hardware 4 - screws 1 - mini screwdriver 1 - quick start guide |

Product appearance and specifications are subject to change without notice.