Dual-Slot Drive Enclosure for M.2 SATA SSDs - USB 3.1 (10Gbps) - RAID - TAA

Product ID: SM22BU31C3R

This dual M.2 SATA enclosure with RAID makes it easy to add ultra-fast, portable external storage to your USB-C or USB-A enabled laptop, tablet, smartphone or desktop computer. Its multiple RAID modes provide increased capacity, improved performance, or data redundancy.

Quickly access, transfer, and backup your files wherever you go. This dual-slot M.2 RAID enclosure enables you to easily access your data by creating a high-performance, ultra-portable storage solution using two M.2 (NGFF) SATA SSDs. It's ideal for creative professionals, such as photographers and videographers, as well as professionals in corporate, educational and government sectors who need fast access to important data files, while out in the field or back at the office.

The RAID enclosure enables you to leverage the speed of your M.2 (NGFF) SATA drives by taking advantage of USB 3.1 Gen 2, with data transfer rates of up to 10Gbps. It ensures easy access to your files for data migration and data backups so that you can safeguard important data at all times.

With multiple RAID options, the M.2 RAID enclosure enables you to gain increased storage size, performance, or redundancy. You can enjoy the peace of mind of knowing your files are continually backed up, or take advantage of greater speed and capacity offered by a combined solution. The enclosure supports RAID 0, RAID 1, Spanning, and JBOD, enabling you to choose your preferred backup mode. It also supports SSD TRIM to prolong drive lifespan and performance.

The dual M.2 SATA enclosure provides a highly portable storage solution. With its compact design, you can tuck it away inside your laptop bag or carrying case and take it anywhere - to the office, the lab, or for mobile use, so that you can access your data wherever you go. Engineered with a solid aluminum housing, the dual-slot M.2 SATA enclosure helps to safeguard your data wherever you go.

The M.2 SATA RAID enclosure is powered directly from the USB port on your device, so no external power is required. It comes with two USB cables (USB-C to Micro-B and USB-A to Micro-B) for flexible use with the latest laptops and tablets equipped with a USB-Type C port as well as legacy devices. The enclosure is OS independent, with no additional software or driver installation required, and is compatit's also compatible with a Thunderbolt 3 USB-C port.

The SM22BU31C3R includes all required drive installation tools and hardware and is backed by a StarTech.com

2-year warranty and free lifetime technical support.

Certifications, Reports and Compatibility

Applications

• Professionals in a wide range of industries, from corporate to medical fields, can take advantage of high-speed data access for their USB-C or USB-A enabled laptop, tablet, smartphone or desktop computer

• Mobile professionals can utilize two M.2 (NGFF) SATA SSDs to access, transfer and backup files with faster speeds over USB 3.1 Gen 2 (10Gbps)

• Re-use or re-purpose M.2 SATA drives to expand PC storage or to back up data

• Ideal for protecting drives against dust and other potential hazards

• Access drives for data recovery, backup, or repair

Features

• ADD EXTERNAL STORAGE: This laptop hard drive enclosure supports all common M.2 SATA SSDs (solid state drives), and enables you to mount multiple drive sizes: 2230, 2242, 2260, 2280; NOTE: Not compatible with M.2 NVMe or AHCI PCI Express SSDs

• ENHANCED PERFORMANCE: This dual M.2 SATA RAID enclosure ensures easy access to your files for data migration and backup; Select from RAID 0, RAID 1, SPAN (BIG), and JBOD to configure your backup mode; SSD TRIM to prolong drive lifespan and performance

• DURABLE ALUMINUM: With this robust SATA M.2 external enclosure, your drive is encased in a durable and robust aluminum and plastic housing; Independent activity & status LEDs for each drive

• MAXIMUM COMPATIBILITY: Includes 18.5in (47cm) USB Type-C host cable for newer USB-C enabled devices; Also includes 18.5in (47cm) USB Type-A host cable to ensure backward compatibility with USB 3.0/2.0 devices; Mounting screws and screwdriver included

• THE IT PRO'S CHOICE: Designed and built for IT Professionals, this TAA compliant dual-slot M.2 SATA RAID enclosure is backed for 2 years, including free lifetime 24/5 multi-lingual technical assistance

Hardware

Warranty	2 Years
Fan(s)	No
Interface	USB 3.2 Gen 2
Bus Type	USB 3.2 Gen 2
Number of Drives	2
Drive Size	22mm - M.2 SATA
Compatible Drive Types	M.2 (SATA, B-Key, NGFF)
Drive Installation	Fixed
Supported Drive Height(s)	2230
	2242
	2260
	2280
Chipset ID	ASMedia - ASM1352R

Performance

Maximum Data Transfer Rate	10 Gbps
Type and Rate	USB 3.2 Gen 2 - 10 Gbit/s
UASP Support	Yes
TRIM Support	Yes
4Kn 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)
	BIG (Spanning or Concatenation)

		JBOD - (Just a Bunch of Disks)
	Max Drive Capacity	2 TB
	General Specifications	Not compatible with M.2 NVMe or AHCI PCI-Express SSDs
	MTBF	35,000

Connector(s)

	Drive Connectors	2 - M.2 (SATA, B-Key, NGFF)
	Host Connectors	1 - USB 3.2 USB Type Micro-B (10 pin, Gen 2, 10 Gbps)

Software

	OS Compatibility	OS independent; No software or drivers required

Special Notes / Requirements

	Note	Windows 7 and earlier Windows versions do not support TRIM with USB to SATA devices.

Indicators

	LED Indicators	2 - Read / Write (green)
		2 - Error / Rebuilt (red)

Power

	Power Source	USB-Powered

Environmental

	Operating Temperature	0C to 60C (32F to 140F)
	Storage Temperature	-20C to 70C (-4F to 158F)
	Humidity	0% ~ 90% RH

Physical Characteristics

	Color	Black
	Material	Aluminum
	Max Drive Height	3.1 in [80 mm]
	Product Length	3.9 in [10.0 cm]
	Product Width	3.1 in [8.0 cm]

Product Height	0.6 in [1.5 cm]	
Weight of Product	3.4 oz [96.0 g]	

Packaging Information

Package Quantity	1	
Package Length	6.4 in [16.2 cm]	
Package Width	5.2 in [13.1 cm]	
Package Height	1.3 in [3.2 cm]	
Shipping (Package) Weight	7.3 oz [206.0 g]	

What's in the Box

Included in Package	1 - M.2 SATA enclosure
	1 - USB-C to Micro-B cable - 18.5 inches
	1 - USB-A to Micro-B cable - 18.5 inches
	2 - housing assembly screws
	2 - sets of M.2 mounting hardware
	1 - screwdriver
	1 - quick-start guide

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