Dual-Slot Drive Enclosure for mSATA SSDs - USB 3.1 (10Gbps) - RAID

Product ID: SMS2BU31C3R

This dual-slot drive enclosure for mSATA and mSATA mini drives makes it easy to add ultra-fast, portable external storage to your USB-C™ or USB-A enabled laptop, tablet or desktop computer. The dual mSATA enclosure also provides RAID functionality for increased capacity, improved performance, or data redundancy.

Access your external data at greater speeds

Quickly access, transfer and back up your files. The dual mSATA enclosure lets you to leverage the speed of your mSATA drives by taking advantage of USB 3.1 Gen 2 with up to 10 Gbps data transfer rates. It's ideal for IT professionals, creative professionals, teachers, researchers and other professionals who need fast access to important data files, while in the office or lab or while working at home. The USB 3.1 Gen 2 mSATA enclosure gives you easy access to your files for data migration and data backups so that you can safeguard your data at any time.

Increase performance and data redundancy

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

Gain easy portability

The two-bay enclosure leverages the small form factor of mSATA SSD drives with the speed of USB 3.1 Gen 2 to create a highly portable storage solution. The enclosure enables you to add two mSATA SSDs externally to your laptop or desktop computer for fast, portable data storage. It's powered directly from the USB port on your device, so no external power is required. With its compact design, you can tuck it away inside your laptop bag or carrying case and take it anywhere - from your home to the office, the hospital, the lab, or out in the field, so that you can access your data wherever you go.

Engineered with a solid aluminum housing, the dual-bay drive enclosure helps to safeguard your data wherever you are. 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, and includes all required drive installation tools and hardware. The two-bay enclosure is also compatible with a Thunderbolt™ 3 USB-C port.

The enclosure is OS independent, requiring no additional software or drivers. The SMS2BU31C3R is backed by a StarTech.com 2-year warranty and free lifetime technical support.

Certifications, Reports and Compatibility

RoHS Compliant Available

CE

FC

Applications

- Add portable external data storage to your USB-C or USB-A enabled laptop, tablet or desktop computer using an mSATA or mSATA Mini SSD
- Gain fast access to important data and files through ultra-fast USB 3.1 Gen 2 (10Gbps), ideal for office professionals, sales executives, teachers, researchers, medical personnel and other mobile workers
- Re-use or re-purpose 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

- Maximize the performance of your mSATA SSDs with USB 3.1 Gen 2 (10Gbps) connectivity
- Dual mSATA RAID enclosure supports mSATA and mSATA Mini (full-height and half-height mSATA drives)
- Supports RAID 0, RAID 1, JBOD and SPAN (BIG) for optimal performance, capacity and redundancy
- Add fast, portable external storage to your USB-C or USB-A enabled laptop, tablet or desktop computer
- Supports SSD TRIM to prolong drive lifespan and performance
- Compatible with Thunderbolt 3 USB-C port
- Solid aluminum enclosure with SATA I, II, III (up to 6Gbps) support
- Backward compatible with USB Gen 1 (USB 3.0), USB 2.0, USB 1.x

Hardware	Warranty	2 Years
	Bus Type	USB 3.1 Gen 2
	Chipset ID	ASMedia - ASM1352R
	Compatible Drive Types	mSATA (Mini SATA)
	Drive Installation	Fixed
	Drive Size	mSATA (Full Size & Half Size)
	Fan(s)	No
	Interface	USB 3.1 Gen 2
	Number of Drives	2
	Supported Drive Height(s)	Full Size (50.8mm)
		Half Size (26.8mm)
Performance	Maximum Data Transfer Rate	10 Gbps
	MTBF	5,000,000 Hours
	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)
	TRIM Support	Yes
	Type and Rate	USB 3.1 Gen 2 - 10 Gbit/s
		SATA III (6 Gbps)
	UASP Support	Yes
Connector(s)	Drive Connectors	2 - mSATA (52 pin, Mini SATA) Slot
	Host Connectors	1 - USB 3.1 USB Type Micro-B (10 pin, Gen 2, 10 Gbps) Female
Software	OS Compatibility	OS independent; No software or drivers required
Indicators	LED Indicators	2 - Read / Write (green)
		2 - Error / Rebuilt (red)
Power	Power Source	USB-Powered
Environmental	Humidity	5% ~ 95%
	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
	Enclosure Type	Aluminum
	Product Height	16 mm [0.6 in]
	Product Length	98 mm [3.9 in]
	Product Weight	100 g [3.5 oz]
	Product Width	80 mm [3.1 in]
Packaging Information	Shipping (Package) Weight	130 g [4.6 oz]
What's in the Box	Included in Package	1 - dual-bay drive enclosure
		1 - USB-C to Micro-B cable
		1 - USB-A to Micro-B cable
		2 - sets of mSATA mounting hardware
		4 - housing assembly screws
		1 - screwdriver
		1 - quick-start guide

Product appearance and specifications are subject to change without notice.