

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.

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.

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.

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

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
Fan(s)	No
Interface	USB 3.1 Gen 2
Bus Type	USB 3.1 Gen 2
Number of Drives	2
Drive Size	mSATA (Full Size & Half Size)
Compatible Drive Types	mSATA (Mini SATA)

Drive Installation	Fixed
Supported Drive Height(s)	Full Size (50.8mm)
	Half Size (26.8mm)
Chipset ID	ASMedia - ASM1352R

Performance

Maximum Data Transfer Rate	10 Gbps
Type and Rate	USB 3.1 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)
	JBOD - (Just a Bunch of Disks)
	BIG (Spanning or Concatenation)
MTBF	5,000,000 Hours

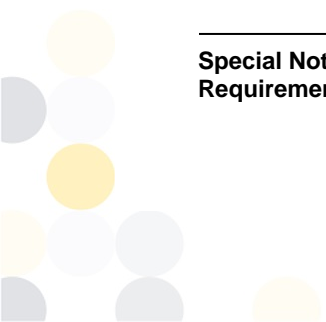
Connector(s)

Drive Connectors	mSATA (52 pin, Mini SATA) Slot
Host Connectors	USB 3.1 USB Type Micro-B (10 pin, Gen 2, 10 Gbps)

Software

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



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

Indicators

LED Indicators	Read / Write (white)
	Error / Rebuilt (red)

Power

Power Source	USB-Powered
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Environmental

Operating Temperature	0C to 50C (32F to 122F)
Storage Temperature	-10C to 85C (14F to 185F)
Humidity	5% ~ 95%

Physical Characteristics

Color	Black
Material	Aluminum
Product Length	3.9 in [100 mm]
Product Width	3.1 in [80 mm]
Product Height	0.6 in [16 mm]
Weight of Product	3.5 oz [100 g]

Packaging Information

Package Length	6.3 in [16 cm]
Package Width	5.1 in [13 cm]
Package Height	1.2 in [30 mm]
Shipping (Package) Weight	7.1 oz [202 g]

What's in the Box

Included in Package	dual-bay drive enclosure
	USB-C to Micro-B cable - 18.5 inches



USB-A to Micro-B cable - 18.5 inches

sets of mSATA mounting hardware

housing assembly screws

screwdriver

quick-start guide

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

