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M.2 SSD Enclosure for M.2 SATA SSDs - USB 3.1 (10Gbps) with USB-C Cable

Product ID: SM21BMU31C3



This compact M.2 SATA SSD enclosure lets you add highly portable data storage to any laptop or computer with a USB-C™ port - such as MacBook, Chromebook Pixel™, Dell™ XPS laptops, and many others. It turns your SATA M.2 drive into a high-speed storage solution over a USB 3.1 Gen 2 connection, at up to 10Gbps throughput.

A truly portable solution

This slim, pocket-sized enclosure for M.2 NGFF SATA SSDs has been specially designed for mobility, with a small form factor design that fits easily into your laptop bag. Its lightweight yet durable aluminum housing helps to ensure your drive won't be damaged while you're on the move.

Ventilation holes help to dissipate heat and help ensure an optimum operating temperature.

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Maximize the performance of your M.2 SATA SSD

Leverage the speed of your M.2 NGFF SATA drive with this external enclosure. It delivers USB 3.1 Gen 2 data transfer speeds up to 10Gbps as well as UASP support, so you can achieve higher transfer speeds when you connect it to a UASP-enabled host computer.

The enclosure works with tablets, laptops and desktop computers and is compatible with hosts equipped with Thunderbolt 3 USB-C ports.

Broad compatibility

The enclosure is compatible with all of the common M.2 SATA SSDs, and enables you to mount multiple drive lengths, including: 30mm (2230), 42mm (2242), 60mm (2260), and 80mm (2280).

The SM21BMU31C3 is backed by a 2-year StarTech.com warranty and free lifetime technical support.

Certifications, Reports and Compatibility

RoHS Compliant Available

Applications

- Mobile professionals can use their M.2 SATA SSD to gain high-speed data access for their USB-C enabled laptop or computer
- Repurpose an M.2 SATA SSD as a USB 3.1 Gen 2 external drive
- Transfer files faster by using a high-performance SATA M.2 SSD as your external drive

Features

- Leverage your SATA M.2 SSD to add fast external storage to your USB-C enabled host (USB-C cable included)
- Supports USB 3.1 Gen 2 (10Gbps)
- Compatible with Thunderbolt 3 USB-C port
- Solid aluminum housing with ventilation for optimum heat dissipation
- Broad compatibility with support for the most common M.2 SATA SSDs (30mm, 42mm, 60mm, 80mm)
- Not compatible with M.2 NVMe or AHCI PCI-Express SSDs
- Supports SATA I/II/III (1.5, 3, 6Gbps)

	Warranty	2 Years
Hardware	Bus Type	USB 3.1 Gen 2
	Chipset ID	ASMedia - ASM1351
	Compatible Drive Types	M.2 SATA (NGFF, B-Key)
		M.2 SATA (NGFF, B+M-Key)
	Drive Installation	Fixed
	Interface	USB 3.1 Gen 2
	Number of Drives	1
Performance	4Kn Support	Yes
	General Specifications	Not compatible with M.2 NVMe or AHCI PCI-Express SSDs
	Maximum Data Transfer Rate	10 Gbps
	MTBF	1,000,000 hours
	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	1 - M.2 SATA (NGFF, B-Key) Receptacle
	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	1 - Power & Activity
Power	Power Source	USB-Powered
Environmental	Humidity	Operation Humidity: 10% ~ 90% RH Storage Humidity: 5% ~ 95% RH
	Operating Temperature	0°C to 40°C (32°F to 104°F)
	Storage Temperature	-10°C to 65°C (14°F to 149°F)
Physical Characteristics	Color	Black & Silver
	Enclosure Type	Aluminum
	Max Drive Height	3.1 in [80 mm]
	Product Height	0.5 in [13 mm]
	Product Length	3.9 in [99 mm]
	Product Weight	2.2 oz [61 g]

	Product Width	1.7 in [42 mm]
Packaging Information	Shipping (Package) Weight	4.9 oz [139 g]
What's in the Box	Included in Package	1 - M.2 NGFF SATA Enclosure - USB 3.1 1 - USB-C to Micro B cable - 18.5 inches 1 - M.2 screw kit 1 - screwdriver 1 - quick install guide

Product appearance and specifications are subject to change without notice.