

M.2 SSD Enclosure for M.2 SATA Drives - USB 3.1 (10Gbps) - USB-C

Product ID: SM21BMU31CI3



Add high-performance external data storage to your USB-C laptop, tablet or desktop computer, with this SATA M.2 SSD enclosure. It lets you use your SATA M.2 drive as an ultra-fast external storage solution over a USB 3.1 Gen 2 connection. It's ideal for your MacBook, Dell XPS, Chromebook Pixel or other USB Type-C device.

The compact M.2 SATA to USB adapter is easily portable and gives you high-speed access to your data, wherever you go. The integrated USB-C cable (6"/15.2 cm), means you're always ready to plug it in, without having to remember to bring along a cable.

The sturdy aluminum and plastic enclosure encases your M.2 SATA SSD and features built-in ventilation that improve heat dissipation to help keep your drive at a suitable operating temperature.

Easily use your M.2 SATA drive as external data storage. This M.2 NGFF SSD enclosure provides a simple connection to your M.2 SATA SSD over USB 3.1 Gen 2. You can transfer files quickly, without bottlenecks, using a SATA M.2 SSD as your external drive.

The enclosure supports common M.2 SATA SSDs and multiple drive lengths, including: 42 mm (2242), 60 mm (2260), and 80 mm (2280). The USB to M.2 SATA enclosure works with USB-C host devices and is also compatible with Thunderbolt 3 USB-C ports.

SM21BMU31CI3 is backed by a 2-year StarTech.com warranty and free lifetime technical support.

Certifications, Reports and Compatibility





Applications

- Ideal for mobile workers needing high-speed access to external data
- Repurpose an M.2 SATA SSD as a USB 3.1 Gen 2 external drive
- Transfer files faster by using a SATA M.2 SSD as your external drive

Features

- **ADD EXTERNAL STORAGE TO YOUR USB-C LAPTOP:** Turn your M.2 NGFF SATA drive into high performance external storage with this M.2 SSD enclosure; Connect it to your MacBook, Dell XPS or other USB Type-C device. Compatible with Thunderbolt 3 USB-C ports
- **CONNECT TO YOUR M.2 SATA SSD OVER USB 3.2 GEN 2:** Experience full SATA III performance from your M.2 SATA SSD over a USB 3.2 Gen 2 (10 Gbps) host connection; Backward compatible with SATA I/II and USB 3.0; Includes mounting screws and screwdriver
- **TRULY PORTABLE:** The compact design (4x2x1.5in/ 11x5x1.4 cm) makes this M.2 SATA hard drive enclosure easily portable; The integrated USB-C cable (6in/15.2cm), means you're always ready to plug it in, without having to remember to bring along a cable
- **DURABLE ALUMINUM:** With this robust SATA M.2 external enclosure, your drive is encased in an aluminum and plastic housing; The built-in ventilation holes aid in heat dissipation to provide an optimum operating temperature for your drive
- **BROAD M.2 SATA SSD COMPATIBILITY:** The M.2 SATA NGFF SSD enclosure supports common M.2 SATA SSDs (B Key / B+M Key) and multiple drive lengths including: 42 mm (2242), 60 mm (2260), and 80 mm (2280); NOTE: Not compatible with M.2 NVMe or AHCI PCI Express SSDs

Hardware

Warranty	2 Years
Interface	USB 3.2 Gen 2
Bus Type	USB 3.2 Gen 2
Number of Drives	1
Drive Size	22mm - M.2 SATA
Compatible Drive Types	M.2 (SATA, B-Key, NGFF) M.2 (SATA, B+M-Key, NGFF)

Drive Installation	Fixed
Supported Drive Height(s)	2242
	2260
	2280
Chipset ID	JMicron - JMS580

Performance

Maximum Data Transfer Rate	6 Gbps
Type and Rate	USB 3.2 Gen 2 - 10 Gbit/s
UASP Support	Yes
TRIM Support	Yes
Type and Rate	SATA III (6 Gbps)
General Specifications	Not compatible with M.2 NVMe or AHCI PCI-Express SSDs
MTBF	50,000 hours

Connector(s)

Drive Connectors	1 - M.2 (SATA, B-Key, NGFF)
Host Connectors	1 - USB 3.2 Type-C (24 pin, Gen 1, 5Gbps)

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.
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Indicators

LED Indicators	1 - Power & Activity
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Power

Power Source	USB-Powered
Input Voltage	5V DC

Output Voltage	5 DC
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Environmental

Operating Temperature	5C to 35C (41F to 95F)
Storage Temperature	-20C to 50C (-4F to 122F)
Humidity	20% ~ 80% RH

Physical Characteristics

Color	Black
Material	Aluminum
Cable Length	6.3 in [160 mm]
Product Length	4.3 in [110.0 mm]
Product Width	2.0 in [5.0 cm]
Product Height	0.5 in [1.3 cm]
Weight of Product	3.7 oz [105.0 g]

Packaging Information

Package Quantity	1
Package Length	6.6 in [16.8 cm]
Package Width	5.7 in [14.4 cm]
Package Height	1.3 in [3.2 cm]
Shipping (Package) Weight	6.6 oz [186.0 g]

What's in the Box

Included in Package	1 - M.2 SATA Enclosure with Integrated USB-C Cable
	1 - Screwdriver
	4 - Assembly Screws
	1 - Set of Drive-Mounting Hardware
	1 - Quick-Start Guide

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

