

M.2 NGFF SATA Enclosure - USB 3.1 (10Gbps) with USB-C Cable

StarTech ID: SM21BMU31C3



This compact M.2 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 M.2 NGFF SSD enclosure 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.



Maximize the performance of your M.2 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 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.

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)
- Supports SATA I/II/III (1.5, 3, 6Gbps)

Technical Specifications

| | |
|--|---|
| Warranty | 2 Years |
| Bus Type | USB 3.1 Gen 2 |
| Chipset ID | ASMedia - ASM1351 |
| Compatible Drive Types (Type and Rate) | M.2 (NGFF; B-Key) |
| Drive Installation | Fixed |
| Interface | USB 3.1 Gen 2 |
| Number of Drives | 1 |
| General Specifications | Not compatible with PCI-Express M.2 SSDs |
| Maximum Data Transfer Rate | 10 Gbps |
| MTBF | 1,000,000 hours |
| Type and Rate | USB 3.1 Gen 2 - 10 Gbit/s |
| Type and Rate | SATA III (6 Gbps) |
| UASP Support | Yes |
| Drive Connectors | 1 - M.2 (NGFF; B-Key) Receptacle |
| Host Connectors | 1 - USB 3.1 USB Type Micro-B (10 pin; Gen 2; 10 Gbps) Female |
| OS Compatibility | OS independent; No software or drivers required |
| LED Indicators | 1 - Power & Activity |
| Power Source | USB-Powered |
| 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) |
| Color | Black & Silver |
| Enclosure Type | Aluminum |
| Max Drive Height | 80 mm [3.1 in] |
| Product Height | 12 mm [0.5 in] |
| Product Length | 98.5 mm [3.9 in] |
| Product Weight | 55 g [1.9 oz] |
| Product Width | 41.5 mm [1.6 in] |
| Shipping (Package) Weight | 300 g [10.6 oz] |
| Included in Package | 1 - M.2 NGFF SATA Enclosure - USB 3.1 |
| Included in Package | 1 - USB C to Micro B cable |
| Included in Package | 1 - M.2 screw kit |
| Included in Package | 1 - screwdriver |

Included in Package

1 - quick install guide

Certifications, Reports and Compatibility

