

M.2 SATA external SSD enclosure – USB 3.0 with UASP

StarTech ID: SM2NGFFMBU33



The SM2NGFFMBU33 external USB 3.0 to M.2 (NGFF) enclosure turns your SATA M.2 solid state drive into a portable, high speed USB 3.0 drive.

Get higher external performance by using an M.2 SSD in place of a platter drive, harnessing the full potential of your USB 3.0 computer system. The enclosure supports UASP, enabling you to achieve transfer speeds up to 70% faster than traditional USB 3.0 when used with a UASP-enabled host computer.

This slim, pocket-sized SSD enclosure has been specifically engineered for mobility. The enclosure features a lightweight yet durable design, which fits easily into your pocket or laptop bag. For further convenience, the enclosure is powered entirely using the USB host bus and requires no external power adapter.

Durable aluminum construction helps to ensure your drive won't be damaged while you're on the move. Plus, to maximize heat dissipation the enclosure features specially engineered ventilation holes which help maintain a cooler operating environment for optimal performance and a longer life span for your drive.

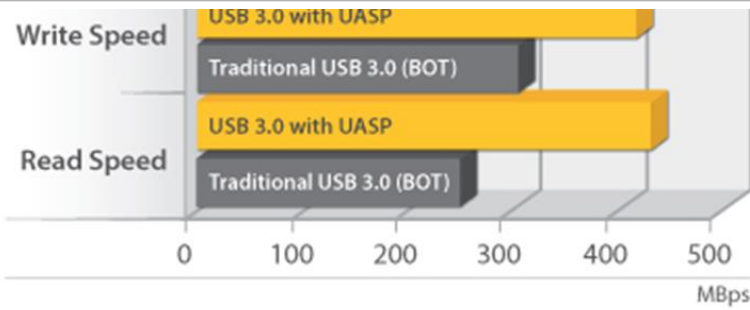
For wide compatibility with all of the common M.2 solid state drives, the enclosure can mount multiple drive heights including: 2242, 2260, and 2280.

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

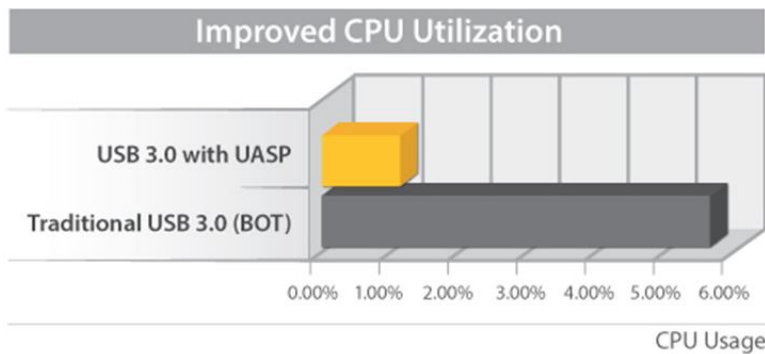
Improved Performance with UASP

UASP is supported in Windows 8, Mac OSX (10.8 or above), and Linux. In testing UASP performs with a 70% faster read speed and 40% faster write speed over traditional USB 3.0 at peak performance.

Faster Transfer Speeds



At the same peak in testing UASP also shows an 80% reduction in required processor resources.



Testing results were obtained using an Intel® Ivy Bridge system, a UASP enabled StarTech.com Enclosure, and a SATA III solid state drive.

Applications

- Re-purpose an M.2 SATA SSD as a USB 3.0 external drive
- Carry with your laptop for a highly portable external storage solution
- Transfer files to or from your external drive faster, by using a high performance SATA M.2 SSD as your external drive

Features

- Boost external performance by leveraging the speed of your SATA M.2 SSD in a UASP-supported USB 3.0 enclosure
- Broad compatibility with support for the most common SATA M.2 SSDs (30mm, 42mm, 60mm, 80mm)
- Maximize portability with a small footprint, lightweight design and USB-powered performance
- Compatible with USB 3.0/2.0/1.1 (5 Gbps / 480 Mbps / 1.5 Mbps)
- Compatible with SATA revision I/II/III (1.5 / 3.0 / 6.0 Gbps)
- Aluminum housing with ventilation holes for added heat dissipation

Technical Specifications

| | |
|--|---|
| Warranty | 2 Years |
| Bus Type | USB 3.0 |
| Chipset ID | Asmedia - ASM1153 |
| Compatible Drive Types (Type and Rate) | M.2 (NGFF; B Key) |
| Drive Installation | Fixed |
| Interface | USB 3.0 |
| Number of Drives | 1 |
| Drive Connectors | 1 - M.2 (NGFF; B Key) Receptacle |
| Host Connectors | 1 - USB 3.0 Micro-B (10 pin; SuperSpeed) Female |
| General Specifications | Not compatible with PCI-Express M.2 SSDs |
| Maximum Data Transfer Rate | 5 Gbps |
| Type and Rate | USB 3.0 - 5 Gbit/s |
| Type and Rate | SATA III (6 Gbps) |
| UASP Support | Yes |
| Color | Black |
| Enclosure Type | Aluminum |
| Product Height | 0.6 in [15 mm] |
| Product Length | 3.9 in [100 mm] |
| Product Weight | 2.4 oz [68 g] |
| Product Width | 1.4 in [35 mm] |
| Power Source | USB-Powered |
| Humidity | 5% to 95% RH |
| Operating Temperature | 0°C to 50°C (32°F to 122°F) |
| Storage Temperature | -10°C to 85°C (14°F to 185°F) |
| Shipping (Package) Weight | 0.3 lb [0.1 kg] |
| Included in Package | 1 - USB 3.0 to M.2 NGFF SSD Enclosure |
| Included in Package | 1 - USB 3.0 Cable |
| Included in Package | 1 - SSD screw kit |
| Included in Package | 1 - Mini screw driver |
| Included in Package | 1 - Instruction manual |

Certifications, Reports and Compatibility

