StarTech.com
Hard-to-find made easy®

Data Sheet

M.2 SSD Enclosure for M.2 SATA SSDs - USB 3.0 (5Gbps) with UASP

Product 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.

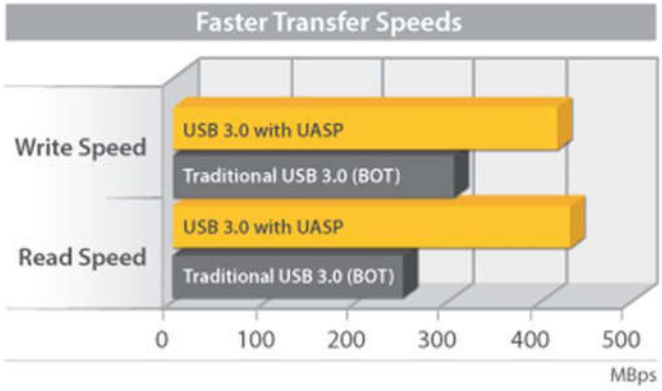


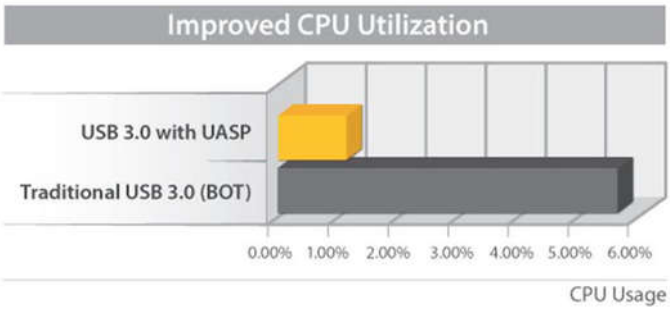
Improved Performance with UASP

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.

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.





Certifications, Reports and Compatibility

RoHS Compliant Available

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
- Maximize portability with a small footprint, lightweight design and USB-powered performance
- Broad compatibility with support for the most common SATA M.2 SSDs (30mm, 42mm, 60mm, 80mm)
- Not compatible with M.2 NVMe or AHCI PCI-Express SSDs
- 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

	Warranty	2 Years
Hardware	Bus Type	USB 3.0
	Chipset ID	ASMedia - ASM1153E
	Compatible Drive Types	M.2 SATA (NGFF, B-Key)
		M.2 SATA (NGFF, B+M-Key)
	Drive Installation	Fixed
	Interface	USB 3.0
	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	5 Gbps
	TRIM Support	No
	Type and Rate	USB 3.0 - 5 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 3.0 Micro-B (10 pin, SuperSpeed) Female
Software	OS Compatibility	OS independent; No software or drivers required
Power	Power Source	USB-Powered
Environmental	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)
Physical Characteristics	Color	Black
	Enclosure Type	Aluminum
	Product Height	0.6 in [15 mm]
	Product Length	3.9 in [100 mm]
	Product Weight	1.8 oz [50 g]
	Product Width	1.4 in [35 mm]
Packaging Information	Shipping (Package) Weight	4.4 oz [125 g]
What's in the Box	Included in Package	1 - USB 3.0 to M.2 NGFF SSD Enclosure

1 - USB 3.0 Cable

1 - SSD screw kit

1 - Mini screw driver

1 - Instruction manual

Product appearance and specifications are subject to change without notice.