USB-C 10Gbps to M.2 NVMe SSD Enclosure - Portable External M.2 NGFF PCIe Aluminum Case - 1GB/s Read/Write - Supports 2230, 2242, 2260, 2280 - TB3 Compatible - Mac & PC - TAA

Product ID: M2E1BMU31C

This compact M.2 NVMe SSD Enclosure for PCIe SSDs is a highly portable, high-performance data storage solution for your USB-C or Thunderbolt 3 enabled devices.

Leverage the high speeds of your M.2 NVMe drive, with this external SSD enclosure. It delivers USB 3.1 Gen 2 read/write speeds up to 10Gbps, which is nearly twice the capability of traditional M.2 SATA enclosures and USB 3.1 Gen 1. NVMe allows users to take full advantage of the throughput available to USB 3.1 Gen 2, which would not be possible with a SATA drive.

This fan-less aluminum enclosure features ventilation holes for maximum heat dissipation, ensuring your drive operates noiselessly at an optimal temperature to preserve performance.

This slim, pocket-sized enclosure for PCIe based NVMe is 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.

The M.2 NVMe enclosure works with tablets, laptops, desktop computers and hosts that are equipped with USB Type-C and Thunderbolt 3 ports. It's also backward compatible with USB 3.1 Gen 1, making it a convenient solution for the office or other workplace environments.

Additionally, the enclosure supports plug-and-play installation, making it the perfect accessory for professionals on the go.

M2E1BMU31C is backed by a StarTech.com 2-year warranty and free lifetime technical support.

Certifications, Reports and Compatibility

Applications

• Create a portable, high-performance storage solution

• Access your NVMe drive externally with ultra-fast transfer speeds

• Superior speeds are ideal for data-migration related tasks

• Ideal for professionals who require high-speed data access

• Perfect for data recovery, backup or repair

Features

• HIGH PERFORMANCE: M.2 NVMe STORAGE: USB-C storage for your PCIe M.2 SSD. This enclosure features USB 3.1 Gen 2 (10Gbps) with UASP support & PCIe 3.0 for read/write data transfer speeds up to 1GB/s.

• DURABLE & PORTABLE: Aluminum housing protects the M.2 NGFF SSD and features ventilation holes for heat dissipation to ensure consistency at all performance levels. Ideal for data backup and recovery.

• BROAD DRIVE COMPATIBILITY: Compatible with M-Key PCI Express drives sized 2230/2242/2260/2280 including Samsung 950/960/970, Kingston, Seagate, Western Digital (WD), HP, and Intel SSD drives.

• BROAD HOST COMPATIBILITY: USB-C cable included for compatibility with any USB Type-C (USB 3.1 Gen 2 & USB 3.0) or Thunderbolt 3 (TB3) device. OS Support includes Windows, Mac, Chrome, Linux, & Ubuntu.

• EASY INSTALLATION: The external M.2 NVME SSD enclosure case supports driverless plug-and-play installation and hassle free drive installation with the small screwdriver you'll need included.

General		
	UPC	065030875691
	Package Quantity	1
	Warranty	2 Years
Special Notes / Requirements		
	Special Notes	Windows 7 and earlier Windows versions do not support TRIM with USB storage devices.

Power

Power Source	USB-Powered
Input Voltage	5V DC
Output Voltage	5 DC

Physical & Environmental

Color	Black
Material	Aluminum and Plastic
Product Length	4.3 in [10.9 cm]
Product Width	1.6 in [40.0 mm]
Product Height	0.5 in [13.0 mm]
Weight of Product	2.3 oz [65.0 g]
Operating Temperature	0C to 40C (32F to 104F)
Storage Temperature	-10C to 65C (14F to 149F)
Humidity	Operation Humidity: 10% ~ 90% RH Storage Humidity: 5% ~ 95% RH

Performance

Maximum Data Transfer Rate	10 Gbps
Type and Rate	USB 10Gbps
UASP Support	Yes
TRIM Support	Yes
S.M.A.R.T. Support	Yes
4Kn Support	Yes
SATA Type and Rate	NVMe (PCIe Gen 3)
General Specifications	Not compatible with M.2 SATA or AHCI based SSDs
MTBF	233,398 Hours

Hardware

	Interface	USB 3.2 Gen 2
	Bus Type	USB 10Gbps
	Number of Drives	1
	Drive Size	22 mm - M.2 NVMe
	Compatible Drive Types	M.2 (PCIe, NVMe, M-Key, NGFF)
	Drive Installation	Fixed
	Supported Drive Height(s)	2230
		2242
		2260
		2280
	Chipset ID	ASMedia - ASM2362
	LED Indicators	1 - Power & Activity
Packaging & In-the-Box		
	Included in Package	1 - Drive Enclosure
		1 - Set of M.2 Mounting Hardware (Installed)
		1 - Screwdriver
		1 - USB-C to USB-C Cable (50 cm)
		1 - Quick-Start Guide
	Package Width	6.1 in [15.6 cm]
	Package Depth	4.3 in [10.8 cm]
	Package Height	1.5 in [38 mm]
	Shipping (Package) Weight	5.6 oz [160 g]
Connector(s)		
	Host Connector 1 (Quantity)	1
	Host Connector 1	M.2 M-Key (PCIe, AHCI / NVMe)

Host Connector 2 (Quantity)	1
Host Connector 2	USB-C (10Gbps, 4.5W)

Product appearance and specifications are subject to change without notice.