USB-C 10Gbps M.2 NVMe PCIe SSD Enclosure - Rugged Aluminum External M.2 PCIe M-Key Case IP67 Rated - 1GB/s Read/Write - Supports 2230/2242/2260/2280 - TB3 Compatible - Mac/PC

Product ID: M2E1BRU31C



This rugged M.2 NVMe PCIe SSD enclosure 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, nearly twice the capability of traditional M.2 SATA and hard drive enclosures.

This fan-less solid aluminum enclosure features an internal thermal pad that transfers heat away from the drive for maximum heat dissipation, ensuring your drive operates noiselessly at an optimal temperature to preserve performance.

Be prepared for the unexpected. The enclosure for PCI Express based NVMe SSDs comes with an IP67 rating, which means that it’s both dustproof and water resistant.

It’s the perfect solution for people who work outside. Or, for people who work in environments with a lot of dust, like: construction sites, factories, or manufacturing facilities.

The USB 3.1 Gen 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 environments.

StarTech.com conducts thorough compatibility and performance testing on all our products to ensure we are meeting or exceeding industry standards and providing high-quality products to IT Professionals. Our local StarTech.com Technical Advisors have broad product expertise and work directly with our StarTech.com Engineers to provide support for our customers both pre and post-sales.

M2E1BRU31C is backed by a StarTech.com 2-year warranty and free lifetime technical support.

Certifications, Reports and Compatibility

Applications

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

• Superior speeds are ideal for data-migration related tasks

• Ideal for professionals who work in environments with a lot of dust, like: construction sites, factories, or manufacturing facilities.

• Create a portable, high-performance storage solution perfect for data recovery, backup or repair

Features

• HIGH PERFORMANCE M.2 NVMe STORAGE: External USB-C housing for your PCIe M.2 SSD (Solid State Drive); features USB 3.1 Gen 2 (10Gbps), UASP & PCIe 3.0 for read/write data transfer speeds up to 1GB/s

• PORTABLE & RUGGED: Solid aluminum housing w/ internal thermal pad for heat dissipation transfers heat away from drive; IP67 rated 100% dustproof/water resistant & MIL-STD-810G drop test certified

• BROAD DRIVE COMPATIBILITY: Compatible with M.2 NGFF 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: 50cm USB-C cable incl. for compatibility w/ 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 INSTALL: USB 3.2 Gen 2x1 M.2 NVMe PCIe SSD Enclosure adapter w/ rubber feet offers firm grip, protects surfaces from scratches & raises the case for air flow; mounting hardware & screwdriver incl

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Hardware

Warranty	2 Years
Interface	USB 3.2 Gen 2 10Gbps
Bus Type	USB 3.2 Gen 2 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	JMicron - JMS583
Performance		
	Maximum Data Transfer Rate	10 Gbps
	Type and Rate	USB 3.2 Gen 2 - 10 Gbit/s
	UASP Support	Yes
	TRIM Support	Yes
	4Kn Support	Yes
	S.M.A.R.T. Support	No
	Type and Rate	NVMe (PCIe Gen 3)
	General Specifications	Not compatible with M.2 SATA or AHCI based SSDs
	MTBF	50,000 Hours
Connector(s)		
	Drive Connectors	M.2 (PCIe, M-Key, AHCI/NVMe, NGFF)
	Host Connectors	USB Type-C (24pin, Gen 2, 10Gbps)
Software		
	OS Compatibility	OS independent; No software or drivers required
Special Notes / Requirements		
	Note	Windows 7 and earlier Windows versions do not support TRIM and UAS with USB storage devices.
Indicators		
	LED Indicators	Power / Blinking: Read & Write Activity
Power		
	Power Source	Bus Powered
Environmental		
	Operating Temperature	5C to 35C (41F to 95F)

	Storage Temperature	-20C to 50C (-4F to 122F)
	Humidity	Humidity: 20% ~ 80% RH
Physical Characteristics		
	Color	Black
	Material	Aluminum
	Cable Length	20.5 in [52 cm]
	Product Length	1.8 in [45 mm]
	Product Width	4.1 in [10.5 cm]
	Product Height	0.6 in [14 mm]
	Weight of Product	5.8 oz [164 g]
Packaging Information		
	Package Length	6.9 in [17.5 cm]
	Package Width	5.7 in [14.4 cm]
	Package Height	1.3 in [32 mm]
	Shipping (Package) Weight	9.0 oz [256 g]
What's in the Box		
	Included in Package	NVMe Enclosure
		1.7 ft [52 cm] USB-C Cable
		Additional Drive Mounting Stand-off
		Torx Screw Driver
		Rubber Feet
		Quick Start Guide

Product appearance and specifications are subject to change without notice.