

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

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.***

