

4-Bay M.2 NVMe Enclosure - Thunderbolt™ 3 - PCIe



Actual product may vary from photos

User Manual **SKU#: M2E4BTB3**

For the latest information and specifications visit
www.startech.com/M2E4BTB3

Compliance Statements

FCC Compliance Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help

Industry Canada Statement

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe [B] est conforme à la norme NMB-003 du Canada.

CAN ICES-3 (B)/NMB-3(B)

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Safety Statements

Safety Measures

- Wiring terminations should not be made with the product and/or electric lines under power.
- Cables (including power and charging cables) should be placed and routed to avoid creating electric, tripping or safety hazards.

Mesures de sécurité

- Les terminaisons de câblage ne doivent pas être effectuées lorsque le produit et/ou les câbles électriques sont sous tension.
- Les câbles (y compris les câbles d'alimentation et de chargement) doivent être placés et acheminés de façon à éviter tout risque électrique, de chute ou de sécurité

安全対策

- 電源が入っている状態の製品または電線の終端処理を行わないでください。
- ケーブル(電源ケーブルと充電ケーブルを含む)は、適切な配置と引き回しを行い、電気障害やつまづきの危険性など、安全上のリスクを回避するようにしてください。

Misure di sicurezza

- I terminali dei fili elettrici non devono essere realizzate con il prodotto e/o le linee elettriche sotto tensione.
- I cavi (inclusi i cavi di alimentazione e di ricarica) devono essere posizionati e stesi in modo da evitare pericoli di inciampo, rischi di scosse elettriche o pericoli per la sicurezza.

Säkerhetsåtgärder

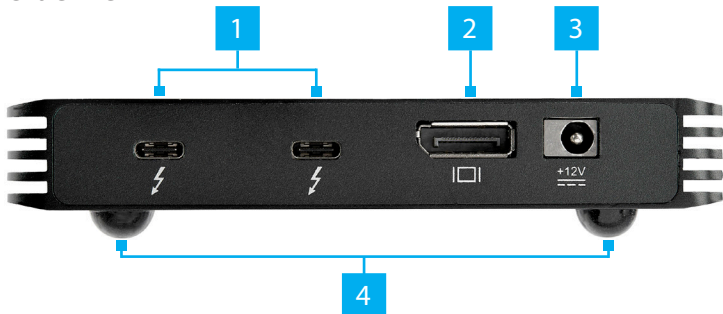
- Montering av kabelavslutningar får inte göras när produkten och/eller elledningarna är strömförda.
- Kablar (inklusive elkablar och laddningskablar) ska dras och placeras på så sätt att risk för snubblingsolyckor och andra olyckor kan undvikas.

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Product Diagram

Side View



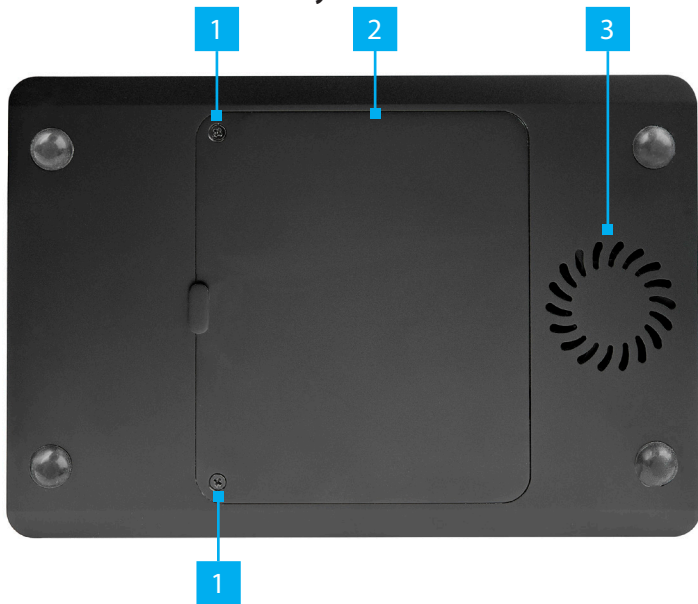
Component	Function
1 Thunderbolt 3 Ports	<ul style="list-style-type: none"> • Connect the Enclosure to the Host Computer • Connect Thunderbolt 3 Peripherals • Cascade the Enclosure to other Enclosures • Connect a Thunderbolt 3 Enabled Display Device
2 DisplayPort Output Port	<ul style="list-style-type: none"> • Connect a DisplayPort Enabled Display Device
3 DC 12V Power Port	<ul style="list-style-type: none"> • Connect a Universal Power Adapter
4 Rubber Foot Pads	<ul style="list-style-type: none"> • Prevent scratching • Allow air to flow under the Enclosure

Top Angled View



Component	Status	Indication
1 Power LED Indicator	On	• Enclosure is receiving power from the Universal Power Adapter
	Off	• Universal Power Adapter is not connected
2 Drive Activity LED Indicators		• Correspond with M.2 Drives 1-4
	On/ Flashing	• M.2 Drive activity detected
	Off	• M.2 Drive not connected • No M.2 Drive activity detected

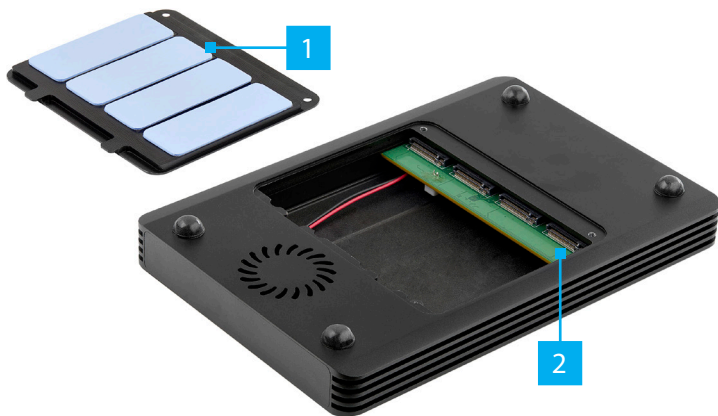
Bottom View - Drive Bay Closed



Component	Function
1 Drive Bay Screws	• Secure the Drive Bay Cover
2 Drive Bay Cover	• Cover and protect the M.2 Drives
3 Fan	• Cool the M.2 Drives

To view manuals, videos, drivers, downloads, technical drawings, and more visit www.startech.com/support

Bottom View - Drive Bay Open



	Component	Function
1	Thermal Pads	<ul style="list-style-type: none">• Transfer heat from the M.2 Drives to the body of the Enclosure
2	M-Key Socket	<ul style="list-style-type: none">• Connect up to 4 M.2 Drives• Drives are numbered to correspond with the Drive Activity LED Indicators (from left to right: 1, 2, 3, 4)

Requirements

For the latest requirements please visit www.startech.com/M2E4BTB3.

- Host Computer with a Thunderbolt 3 Port
- M-Key Connector Type, 22 x 80 mm (2280), M.2 Drive x (Up to) 4
- (Optional) Thunderbolt 3 Enabled Display Device x 1
- (Optional) Thunderbolt 3 Cable x 1
- (Optional) DisplayPort Enabled Display Device x 1
- (Optional) DisplayPort Cable x 1
- (Optional) Thunderbolt 3 Peripheral x 1
- (Optional) Thunderbolt 3 to DisplayPort Adapter Cable x 1

Installation

Connect the Drives

1. Turn the **Enclosure** upside down.
2. Remove the **Drive Bay Cover** on the bottom of the **Enclosure**:
 - Remove the two **Drive Bay Screws** using a **Phillips Head Screwdriver**.
 - Carefully flip the **Enclosure** to release the **Drive Bay Cover**.
3. Remove the **Holding Screw** for the **M.2 Drive** using a **Phillips Head Screwdriver**.
4. Slide the **M.2 Drive** into the **M-Key Socket** at a 45 degree angle.

Note: Ensure the **M.2 Drive** is properly seated, with the pins making full contact, before proceeding to the next step.

5. Gently press down on the **M.2 Drive** until the notch on the **M.2 Drive** is aligned with the hole for the **Holding Screw**.
6. While holding the **M.2 Drive** in place, secure the **M.2 Drive** by replacing the **Holding Screw** that was removed in step 3, using a **Phillips Head Screwdriver**.
7. Repeat steps 3-6 to instal the remaining **M.2 Drives**.
8. Replace the **Drive Bay Cover** that was removed in step 2.
9. Screw in the two **Drive Bay Screws** that were removed in step one, using a **Phillips Head Screwdriver**.

(Optional) Connect a Thunderbolt 3 Peripheral

- Connect a **Thunderbolt 3 Cable** (sold separately) to one of the **Thunderbolt 3 Ports** on the **Enclosure** and to a **Thunderbolt 3 Port** on the **Thunderbolt 3 Peripheral**.

--Or--

- Connect a **Thunderbolt 3 Peripheral** directly to one of the **Thunderbolt 3 Ports** on the **Enclosure**.

(Optional) Connect Displays

Note: Connect and setup the **DisplayPort Enabled Display Device** before connecting and setting up the **Thunderbolt 3 Enabled Display Device**.

DisplayPort Enabled Display Device

- Connect a **DisplayPort Cable** (sold separately) to the **DisplayPort Output Port** on the **Enclosure** and to a **DisplayPort Input Port** on a **DisplayPort Enabled Display Device**.

DisplayPort Enabled Display Device via Thunderbolt 3 Port

- Connect a **Thunderbolt 3 to DisplayPort Adapter Cable** to one of the **Thunderbolt 3 Ports** on the **Enclosure** and to a **DisplayPort Input Port** on a **DisplayPort Enabled Display Device**.

Thunderbolt 3 Enabled Display Device

- Connect a **Thunderbolt 3 Cable** (included) to one of the **Thunderbolt 3 Ports** on the **Enclosure** and to a **Thunderbolt 3 Input Port** on a **Thunderbolt 3 Enabled Display Device**.

Powering the Enclosure

1. Select the appropriate regional **Power Cord** and connect it to the **Universal Power Adapter**.
2. Connect the **Universal Power Adapter** to the **DC 12V Power Port** on the **Enclosure** and to an **AC Electrical Outlet**.

Connect the Enclosure to the Host Computer

The **Thunderbolt 3 Ports** allow for a connection from the **Host Computer** to the **Enclosure**.

- Connect a **Thunderbolt 3 Cable** (included) to one of the **Thunderbolt 3 Ports** on the **Enclosure** and to a **Thunderbolt 3 Port** on the **Host Computer**.

Operation

Operating Temperature

Due to the high performance of Thunderbolt technology, Thunderbolt products sometimes generate more heat than traditional hardware. Therefore, it's normal for the **Enclosure** to warm up when in use. As such, it's recommended that the **Enclosure** is not placed on any part of the **Host Computer's** surface, as doing so will result in even higher temperatures.

These higher temperatures do not present a safety hazard to the user.

Removing the Drives

Notes: After extended use the **M.2 Drives** may stick to the **Thermal Pads**. The labels of the **M.2 Drives** may become damaged during removal. This will not impact the performance of the **M.2 Drives**.

The **Thermal Pads** may leave residue on the **M.2 Drives** during removal.

1. Turn the **Enclosure** upside down.
2. Remove the **Drive Bay Cover** on the bottom of the **Enclosure**:
 - Remove the two **Drive Bay Screws** using a **Phillips Head Screwdriver**.
 - Carefully flip the **Enclosure** to release the **Drive Bay Cover**.
3. Remove the **Holding Screw** for the **M.2 Drive** using a **Phillips Head Screwdriver**.

- Slide the **M.2 Drive** out of the **M-Key Socket** at a 45 degree angle.

Supported Video Resolutions

The **Enclosure** supports the following maximum resolutions:

Number of Displays	Ports	Maximum Resolution
1	DisplayPort Output Port	4096 x 2160p (60Hz)
1	Thunderbolt 3 Port	5120 x 2880 p (60Hz)
2	DisplayPort Output Port and Thunderbolt 3 Peripheral Port	4096 x 2160p (60Hz)
2	DisplayPort Output Port and Thunderbolt 3 Peripheral Port (USB-C to DisplayPort)	4096 x 2160p (60Hz)

- Depending on the configuration and the supported resolutions of the connected **Display Device(s)**, the **Enclosure** can support video resolutions lower than specified above.
- In a multi-display configuration, set the refresh rates on each of the connected **Display Devices** to the same values, otherwise the **Display Devices** might not properly display.

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- Video output capabilities are dependent on the video card and hardware specifications of the connected **Host Computer**.

Daisy Chain Multiple Thunderbolt 3 Devices

Dual displays using multiple **Thunderbolt 3 Display Devices** can be used in a daisy chain configuration. For example, connect a **Thunderbolt 3 Display Device** to a **Thunderbolt 3 Port** on the **Enclosure**. Then connect another **Thunderbolt 3 Display Device** or a **Thunderbolt 3 Peripheral Device** through the first **Thunderbolt 3 Display Device**.

Configure the Display Devices

Use the Windows operating system to adjust display settings for multiple **Display Devices**. The **Host Computer's** hardware must support dual external displays through its **Thunderbolt 3 Port**.

Warranty Information

This product is backed by a two-year warranty.

For further information on product warranty terms and conditions, please refer to www.startech.com/warranty.

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