FIDECO M.2 NVMe/SATA SSD Enclosure

FIDECO M.2 NVMe/SATA SSD Enclosure User Manual

Model: M.2 NVMe/SATA SSD Enclosure

Brand: FIDECO

1. Introduction

This manual provides comprehensive instructions for the FIDECO M.2 NVMe/SATA SSD Enclosure. This device allows you to convert an M.2 NVMe or SATA SSD into a portable external storage solution, leveraging USB 3.2 Gen2 technology for high-speed data transfer. Please read this manual carefully before use to ensure proper installation and operation.

2. Package Contents

Please verify that all items are present in your package:

- FIDECO M.2 NVMe/SATA SSD Enclosure
- USB-C to USB-C Cable
- USB-C to USB-A Cable
- Thermal Pad
- Screws and Screwdriver (for SSD installation)
- User Manual

3. Compatibility

The FIDECO M.2 NVMe/SATA SSD Enclosure offers broad compatibility:

- **SSD Types:** Compatible with M.2 PCIe NVMe SSDs (M-Key or M+B Key) and M.2 SATA SSDs (M+B Key).
- **SSD Sizes:** Supports 2230, 2242, 2260, and 2280 form factors.
- **Operating Systems:** Supports Windows, Mac OS, and Linux. Plug-and-play functionality requires no additional drivers.

- **Devices:** Compatible with laptops, desktop computers, and OTG-enabled phones/tablets.

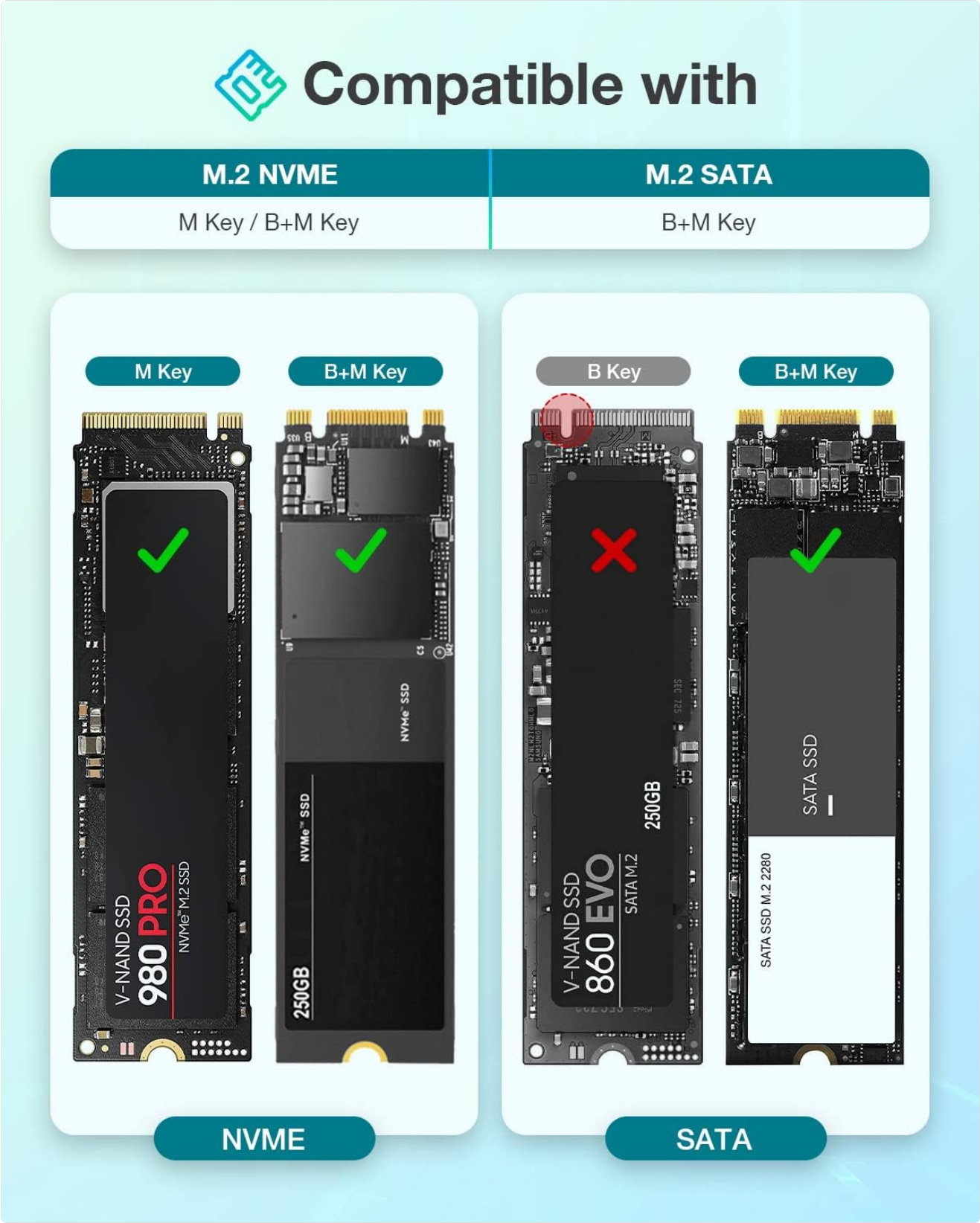


Image: Illustration showing the supported M.2 SSD sizes (2230, 2242, 2260, 2280) that can be installed in the enclosure.



Image: Visual guide demonstrating compatibility with M-Key NVMe SSDs and M+B Key SATA SSDs, highlighting incompatible B-Key SATA SSDs.

4. Features

- **High-Quality Construction:** Made from durable aluminum, providing protection against shocks and vibrations.
- **Efficient Heat Dissipation:** Designed with ventilation holes and includes a thermal pad to maintain optimal operating temperatures for extended SSD lifespan.
- **Super-Fast Data Transfer:** Features a USB 3.2 Gen 2 bridge, offering data transfer speeds up to 10Gbps. Supports UASP for 70% faster read and 40% faster write speeds compared to conventional USB 3.1.

- **Dual Protocol Support:** Compatible with both NVMe and SATA M.2 SSDs.
- **Easy to Use:** Simple plug-and-play operation with no drivers required. Includes both USB-C to USB-C and USB-C to USB-A cables for versatile connectivity.



Image: The FIDECO M.2 SSD Enclosure connected to a laptop, illustrating its capability for high-speed data transfer at 10Gbps via USB 3.2 Gen 2 with UASP support.



Image: A cutaway diagram of the enclosure demonstrating how the thermal pad and ventilation fins contribute to efficient heat dissipation, keeping the SSD cool.

5. Setup and Installation

Follow these steps to install your M.2 SSD into the FIDECO enclosure:

1. **Open the Enclosure:** Unscrew the retaining screws at the end of the enclosure and gently slide out the internal PCB.
2. **Insert SSD:** Carefully align your M.2 SSD with the M.2 slot on the PCB and insert it firmly.

3. **Secure SSD:** Use the provided screw nut to fix the SSD in place on the PCB, matching the length of your SSD (2230, 2242, 2260, or 2280).
4. **Apply Thermal Pad:** Peel off the protective film from both sides of the thermal pad and place it onto the SSD's main chip area. This helps with heat transfer to the enclosure.
5. **Close Enclosure:** Carefully slide the PCB with the installed SSD back into the aluminum enclosure.
6. **Secure Enclosure:** Re-insert and tighten the retaining screws to secure the enclosure.



Image: A visual step-by-step guide demonstrating the installation process of an M.2 SSD into the FIDECO enclosure, including inserting the SSD, securing it with a screw nut, applying the thermal pad, and closing the enclosure.

Your browser does not support the video tag.

Video: An official product video demonstrating the installation process of an M.2 SSD into the FIDECO enclosure and its subsequent connection and use with a computer and smartphone. This video is a preview, but it clearly illustrates the key steps.

6. Operation

Once the SSD is installed and the enclosure is closed, connect it to your device:

1. **Connect to Device:** Use the provided USB-C to USB-C cable or USB-C to USB-A cable to connect the enclosure to your computer, laptop, or OTG-enabled smartphone/tablet.
2. **Access Data:** The enclosure is plug-and-play. Your operating system should automatically detect the drive. If it's a new SSD, you may need to initialize and format it through your operating system's disk management utility before use.
3. **Data Transfer:** Drag and drop files to and from the external SSD as you would with any other storage device. Enjoy fast data transfer speeds thanks to USB 3.2 Gen2 and UASP support.

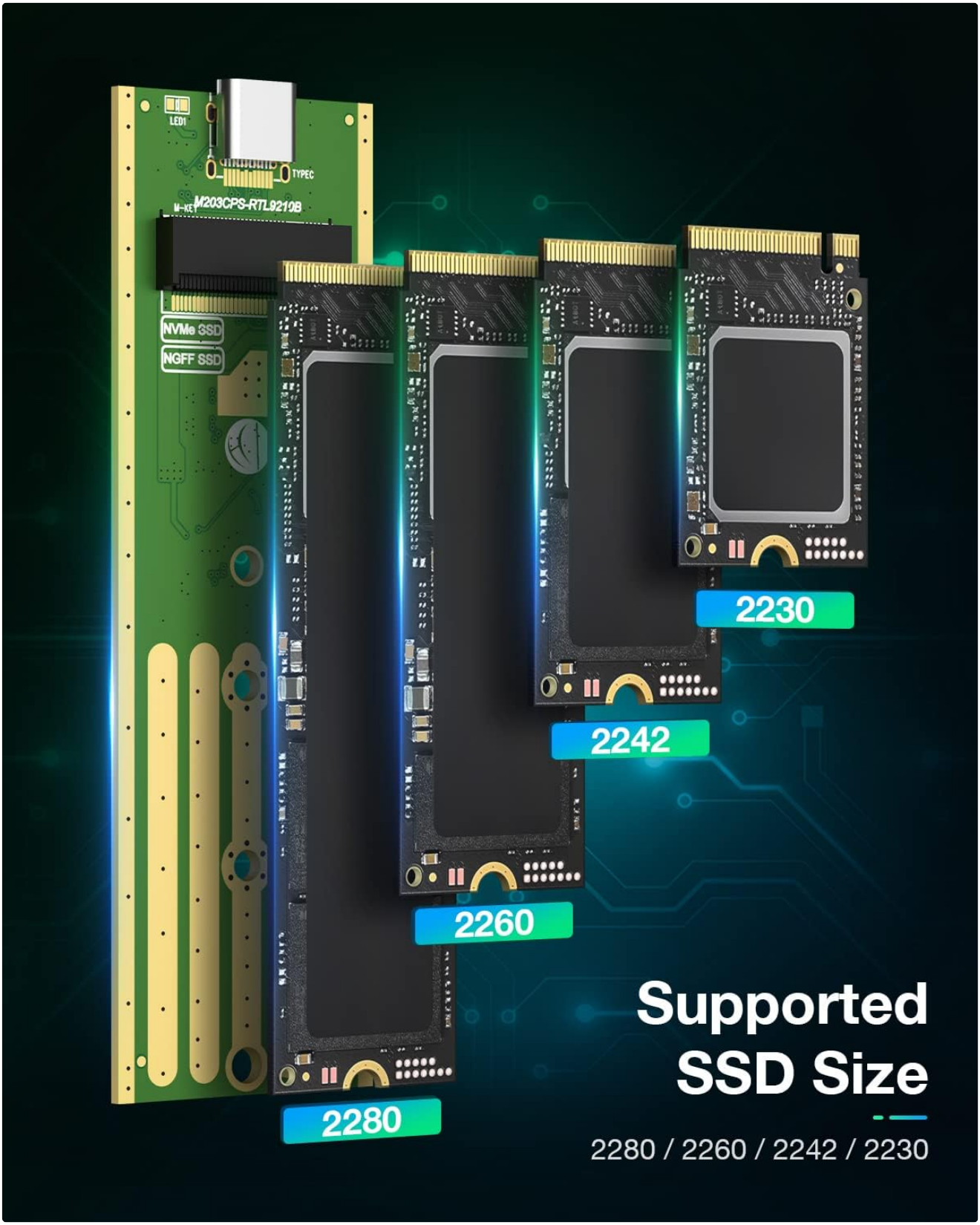


Image: The FIDECO M.2 SSD Enclosure connected to a laptop, illustrating its broad compatibility with various operating systems including Windows, Mac OS, Linux, and Android devices.

7. Troubleshooting

- **Drive Not Detected:**
  - Ensure the SSD is correctly seated in the M.2 slot and secured.
  - Check that the enclosure is properly connected to your device using the provided cables.
  - Try a different USB port or cable.

- For new SSDs, ensure it has been initialized and formatted in your operating system's Disk Management (Windows) or Disk Utility (Mac OS).

- **Slow Transfer Speeds:**
  - Ensure you are connected to a USB 3.2 Gen2 (10Gbps) compatible port on your device. Older USB 2.0 or 3.0 ports will result in lower speeds.
  - Verify your operating system supports UASP for optimal performance.
  - The performance of the SSD itself can affect transfer speeds.

- **Compatibility Issues:**

  While the enclosure supports a wide range of M.2 SSDs, some specific models might have compatibility nuances. If you encounter persistent issues, please contact FIDECO customer support. Firmware updates may be available to address specific compatibility concerns.

- **Overheating:**

  Ensure the thermal pad is correctly installed on the SSD. The enclosure's design includes ventilation for heat dissipation, but prolonged heavy use can still generate heat. Ensure adequate airflow around the enclosure.

8. Specifications

Brand	FIDECO
Model	M.2 NVMe/SATA SSD Enclosure
Hardware Interface	USB (Type-C)
Data Transfer Speed	Up to 10Gbps (USB 3.2 Gen2)
SSD Compatibility	M.2 PCIe NVMe (M-Key, M+B Key), M.2 SATA (M+B Key)
SSD Form Factors	2230, 2242, 2260, 2280
Max Storage Capacity	2 TB
Material	Aluminum
Color	Black
Item Weight	10 Grams
Supported Platforms	Linux, Mac, Windows
UASP Support	Yes

9. Warranty and Support

FIDECO products are designed for reliability and performance. This product comes with a standard manufacturer's warranty. For specific warranty details, technical support, or any inquiries, please refer to the warranty card included in your package or visit the official FIDECO website. You may also contact FIDECO customer service via the platform where you purchased the product.

© 2024 FIDECO. All rights reserved.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question