

## MAIWO K16N

# MAIWO K16N Aluminium M.2 SSD Enclosure User Manual

Model: K16N

## 1. PRODUCT OVERVIEW

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The MAIWO K16N is an aluminium external enclosure designed to transform your M.2 SATA SSD into a portable USB 3.1 Gen1 storage device. It supports data transfer speeds of up to 5Gbps and features UASP (USB Attached SCSI Protocol) for enhanced performance. The durable and lightweight aluminium construction ensures optimal heat dissipation. This enclosure is compatible with 2230, 2242, 2260, and 2280 M.2 NGFF B-key and B&M-key SSDs and supports TRIM functionality.

## 2. PACKAGE CONTENTS

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Please verify that all items listed below are included in your package:

- MAIWO K16N M.2 SSD Enclosure
- USB 3.1 Gen1 Micro-B to USB-A Cable
- Mini Screwdriver
- Mounting Screws for SSD
- User Manual (this document)
- Warranty Card



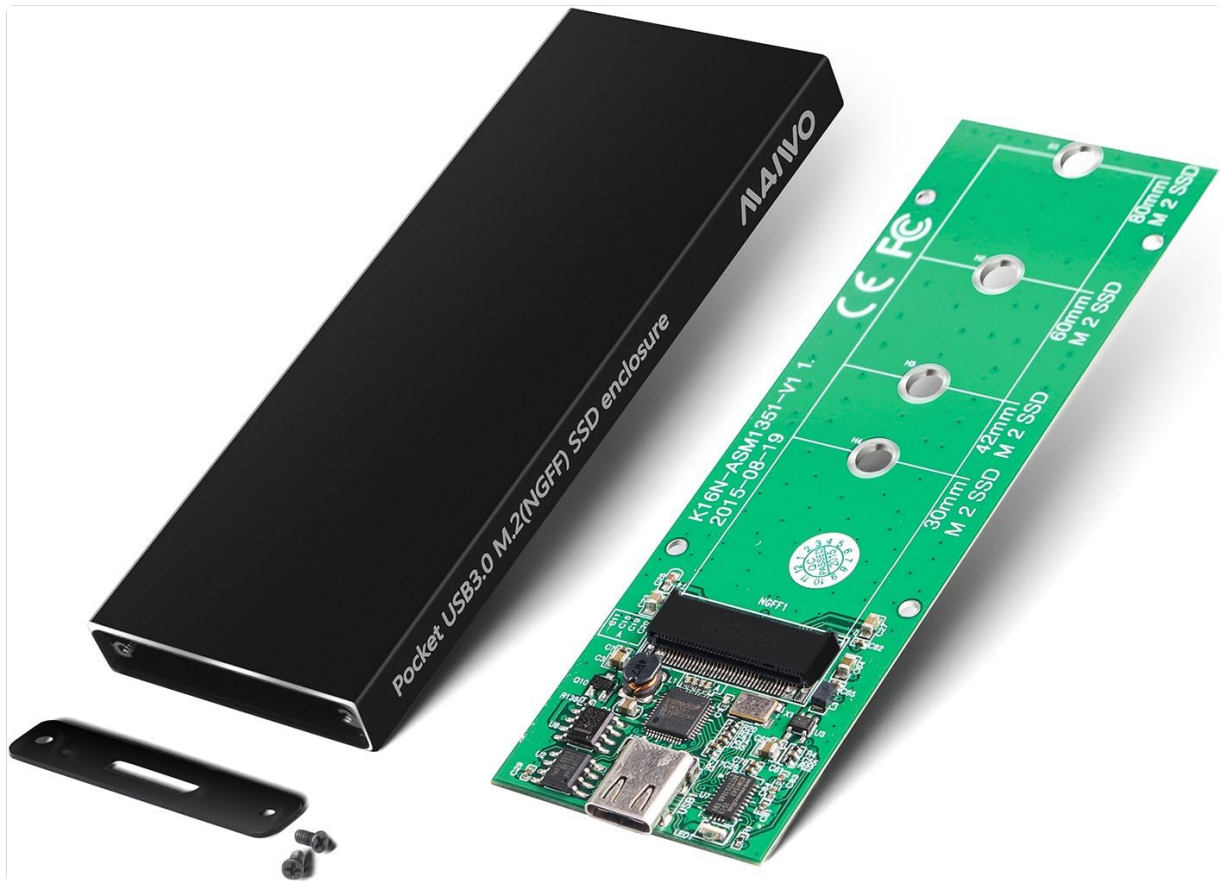
Figure 2.1: Contents of the MAIWO K16N package. Includes the enclosure, a USB cable, a small screwdriver, mounting screws, a user manual, and a warranty card.

### 3. SETUP AND INSTALLATION

Follow these steps to install your M.2 SSD into the MAIWO K16N enclosure.

#### 3.1. Disassembly

1. Using the provided screwdriver, carefully remove the screw securing the end cap of the enclosure.
2. Slide out the internal circuit board (PCB) from the aluminium casing.



**Figure 3.1:** The MAIWO K16N enclosure disassembled, showing the main aluminium body, the internal circuit board (PCB) with the M.2 slot, and the small screws for assembly.

### 3.2. SSD Installation

3. Align your M.2 NGFF B-key or B&M-key SSD with the M.2 slot on the internal PCB. Gently insert the SSD into the slot at an angle.
4. Once inserted, push the SSD down and secure it with the small screw provided, ensuring it is flush with the PCB. The enclosure supports 2230, 2242, 2260, and 2280 M.2 SSD sizes.

### 3.3. Reassembly

5. Carefully slide the assembled PCB with the SSD back into the aluminium casing. Ensure the USB port aligns with the opening on the end cap.
6. Reattach the end cap and secure it with the screw using the screwdriver.



**Figure 3.2:** A hand demonstrating the insertion of the M.2 SSD circuit board into the MAIWO K16N aluminium enclosure.



**Figure 3.3:** A screwdriver being used to secure the end cap of the MAIWO K16N enclosure, completing the assembly process after the SSD has been installed.

## 4. OPERATING INSTRUCTIONS

### 4.1. Connecting to a Computer

Connect the MAIWO K16N enclosure to your computer using the provided USB 3.1 Gen1 Micro-B to USB-A cable. Plug the Micro-B end into the enclosure and the USB-A end into an available USB port on your computer. For optimal performance, use a USB 3.0 or USB 3.1 port.

## 4.2. LED Indicator

The enclosure features an LED indicator:

- **Solid Blue:** Indicates the enclosure is powered on and connected.
- **Flashing Blue:** Indicates data activity (reading or writing data to the SSD).





Figure 4.1: The MAIWO K16N enclosure held in a hand, illustrating its compact and portable design.

### 4.3. Initializing the SSD (New SSDs Only)

If you are using a brand new SSD, it may need to be initialized and formatted before it can be used. This process is typically done through your operating system's Disk Management utility (Windows) or Disk Utility (macOS).

- **Windows:** Right-click on "This PC" or "My Computer", select "Manage", then "Disk Management". Locate your new SSD, initialize it (MBR or GPT), and create a new simple volume.
- **macOS:** Open "Disk Utility" (Applications > Utilities). Select your new SSD, erase it, and choose a format (e.g., APFS, Mac OS Extended).

## 5. MAINTENANCE

To ensure the longevity and optimal performance of your MAIWO K16N enclosure:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the enclosure. Avoid using liquid cleaners or solvents.
- **Storage:** Store the enclosure in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Handle the enclosure with care to prevent physical damage.
- **Firmware:** Periodically check the MAIWO official website for any available firmware updates for the chipset (Asmedia 1153E) to ensure compatibility and performance.

## 6. TROUBLESHOOTING

If you encounter issues with your MAIWO K16N enclosure, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Enclosure not detected by computer.	<ul style="list-style-type: none"><li>• Loose USB connection.</li><li>• SSD not properly installed.</li><li>• New SSD not initialized/formatted.</li><li>• Faulty USB cable or port.</li></ul>	<ul style="list-style-type: none"><li>• Ensure the USB cable is securely connected to both the enclosure and the computer.</li><li>• Re-open the enclosure and verify the SSD is correctly seated and screwed in.</li><li>• Initialize and format the SSD using Disk Management (Windows) or Disk Utility (macOS).</li><li>• Try a different USB cable or a different USB port on your computer.</li></ul>

Problem	Possible Cause	Solution
Slow data transfer speeds.	<ul style="list-style-type: none"> <li>Connected to a USB 2.0 port.</li> <li>SSD is not a SATA M.2 type.</li> <li>UASP drivers not installed/enabled.</li> </ul>	<ul style="list-style-type: none"> <li>Connect the enclosure to a USB 3.0 or USB 3.1 port on your computer.</li> <li>Ensure your M.2 SSD is a SATA-based (NGFF) SSD, not NVMe. This enclosure does not support NVMe SSDs.</li> <li>Ensure your operating system has UASP support enabled (usually automatic on modern OS).</li> </ul>
LED indicator not lighting up.	<ul style="list-style-type: none"> <li>No power to the enclosure.</li> <li>Faulty enclosure.</li> </ul>	<ul style="list-style-type: none"> <li>Check USB connection and try a different USB port.</li> <li>If the issue persists, contact MAIWO support.</li> </ul>

## 7. SPECIFICATIONS

Feature	Detail
Model Number	K16N
External Interface	1x SuperSpeed USB 3.1 Gen1 (5Gbps) Micro-B
Internal Interface	1x 67-Pin M.2 (B-Key / B&M-Key NGFF SATA)
Supported SSD Types	M.2 NGFF SATA SSDs (B-Key or B&M-Key)
Supported SSD Sizes	2230, 2242, 2260, 2280
Chipset	Asmedia 1153E
Data Transfer Rate	Up to 5Gbps (USB 3.1 Gen1)
Material	Aluminium
Color	Silver (Note: Product image may show black, but current stock is silver as per product description)
UASP Support	Yes
TRIM Support	Yes
LED Indicator	Power and Data Activity
Compatible OS	Windows, macOS, Linux (driver-free)

## 8. WARRANTY AND SUPPORT

MAIWO products are designed for reliability and performance. This product comes with a standard manufacturer's warranty. For specific warranty terms and conditions, please refer to the warranty card included in your package or visit the official MAIWO website.

If you require technical assistance or have any questions regarding your MAIWO K16N enclosure, please contact MAIWO customer support through their official channels. You can often find contact information on the MAIWO brand store or their official website.

[Visit the MAIWO Brand Store](#)

