ORICO M.2 SATA+NVMe-Dual

ORICO Dual M.2 NVMe and SATA SSD Enclosure User Manual

Model: M.2 SATA+NVMe-Dual

1. Product Overview

The ORICO Dual M.2 NVMe with SATA SSD Enclosure is designed to provide external storage solutions for both M.2 NVMe (M Key) and M.2 SATA (B+M Key) SSDs. This enclosure features two independent slots, allowing for simultaneous operation of one NVMe SSD and one SATA SSD. It supports high-speed data transfer up to 10Gbps for NVMe and 6Gbps for SATA, utilizing a USB 3.2 Gen2 Type-C interface. The tool-free design and aluminum alloy construction with integrated heat dissipation features ensure ease of use and optimal performance.

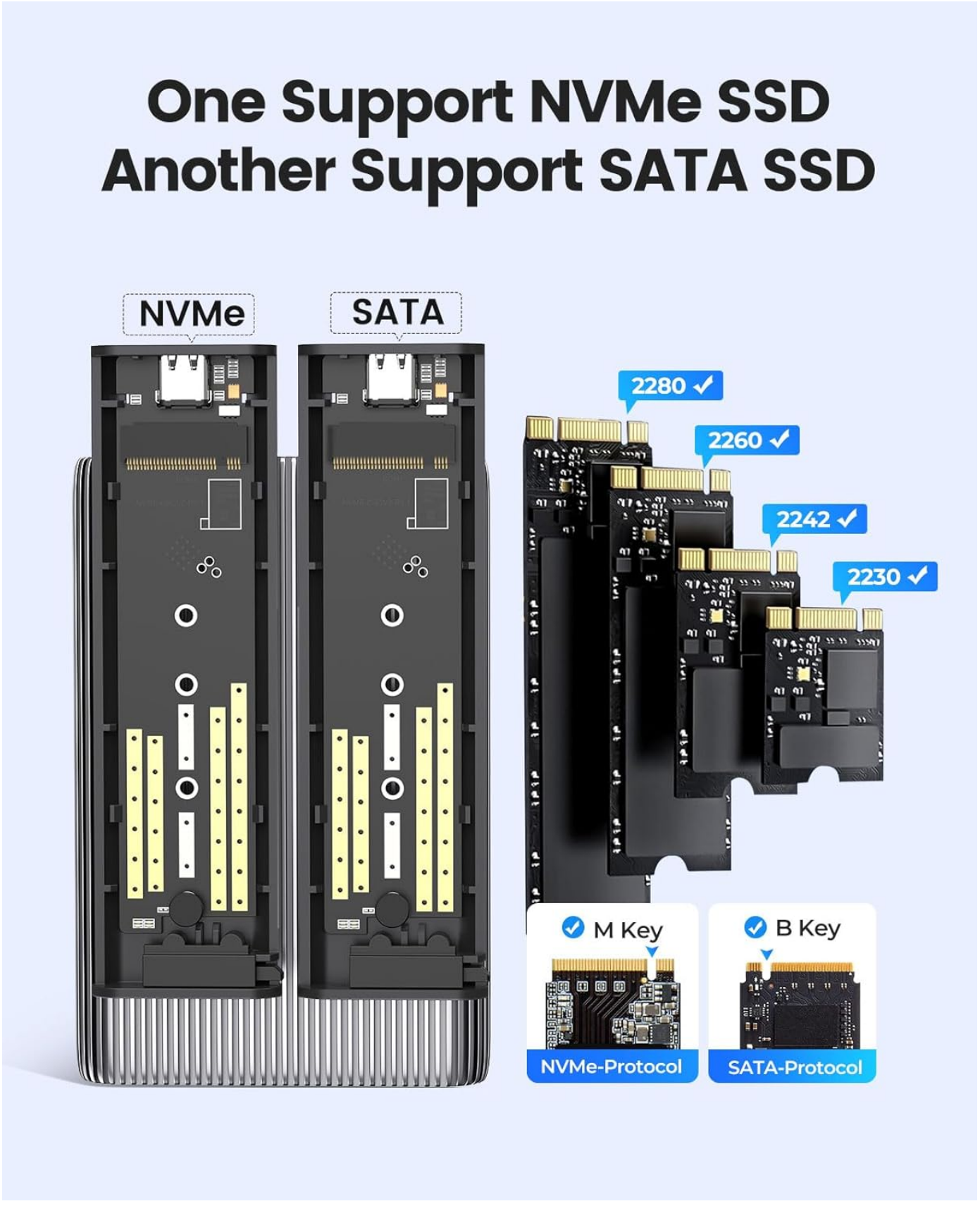


Image: The ORICO Dual M.2 SSD Enclosure highlighting its two independent slots for NVMe and SATA SSDs, enabling separate data management.

2. Package Contents

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

- 1x Dual-Enclosure
- 1x 2-in-1 Data Cable (USB-C to C/USB-A)

- 2x Cooling Vests
- 2x Thermal Silicone Pads
- 4x Rubber Buckles
- 1x User Manual



Image: All components included in the ORICO Dual M.2 SSD Enclosure package, including the enclosure, cables, cooling accessories, and manual.

3. Setup and Installation

The ORICO Dual M.2 SSD Enclosure features a tool-free installation process. Follow these steps to install your M.2 SSDs:

1. **Slide and Pull Out:** Slide the button on the upper cover and gently pull the PCBA board out of the enclosure.
2. **Apply Thermal Accessories:** Stick the thermal pad onto your M.2 SSD, then place the cooling vest on top of the thermal pad. This aids in heat dissipation.
3. **Insert SSD:** Carefully insert your M.2 SSD into the appropriate slot (NVMe M-Key or SATA B+M Key). Secure the SSD with a rubber cap/buckle.
4. **Reinsert PCBA Board:** Slide the PCBA board with the installed SSD back into the aluminum enclosure until it clicks into place.

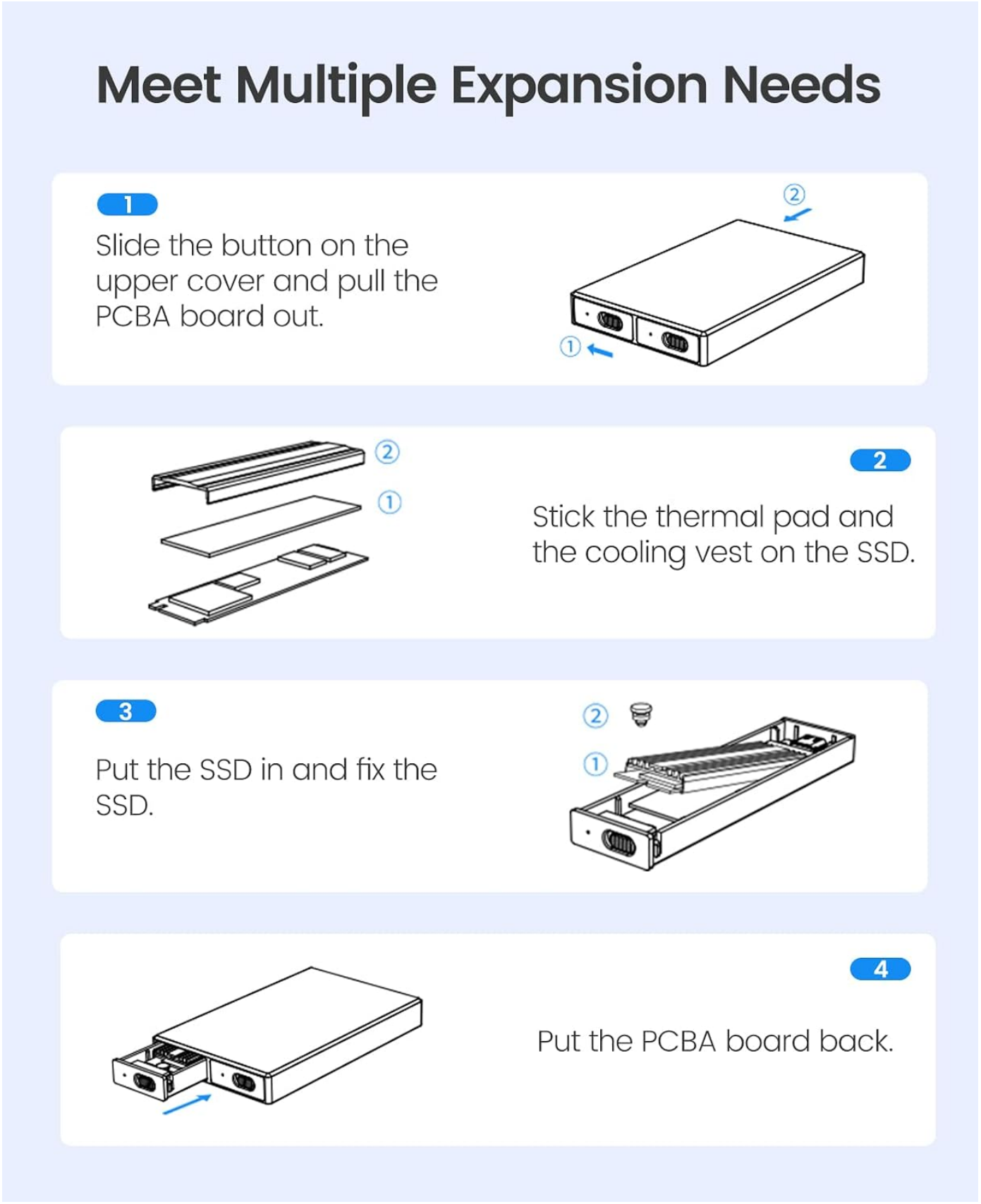


Image: Visual guide demonstrating the four steps for tool-free installation of an M.2 SSD into the enclosure.

Important Note: When installing an SSD, be careful of static electricity and handle components gently to avoid damage. Ensure proper backup of all data on the SSD before initial use to prevent data loss.

4. Operating Instructions

After installing your SSD(s) into the enclosure, connect the device to your computer or compatible device using the provided USB-C to C/USB-A 2-in-1 data cable. The enclosure supports plug-and-play functionality, requiring no additional

drivers.

- **Independent Operation:** Each M.2 slot operates independently. The 10Gbps bay is for NVMe SSDs, and the 6Gbps bay is for M.2 SATA SSDs. You can connect two data cables simultaneously to access both SSDs.
- **Data Transfer Speeds:** Expect speeds up to 10Gbps for NVMe SSDs and up to 6Gbps for M.2 SATA SSDs.
- **First-Time Use:** For new SSDs, they must be partitioned and formatted before the operating system can recognize them. Ensure the hard disk format is consistent with the SSD format supported by your system.
- **Safe Disconnection:** During data transfer, do not unplug the M.2 SSD case from the PC. Always safely eject or unplug the cable before removing the SSD after use to prevent data loss.



Image: The ORICO enclosure connected to a laptop, illustrating its 6Gbps and 10Gbps data transfer capabilities.

5. Compatibility

This enclosure is designed for broad compatibility across various M.2 SSD types and operating systems.

5.1 Supported M.2 SSD Types and Sizes

- **NVMe M-Key SSDs (PCI-e based):** Supports sizes 2230, 2242, 2260, 2280.

- **M.2 SATA B-Key and B+M Key SSDs:** Supports sizes 2230, 2242, 2260, 2280.
- **Maximum Storage:** Up to 2 x 4TB (total 8TB).

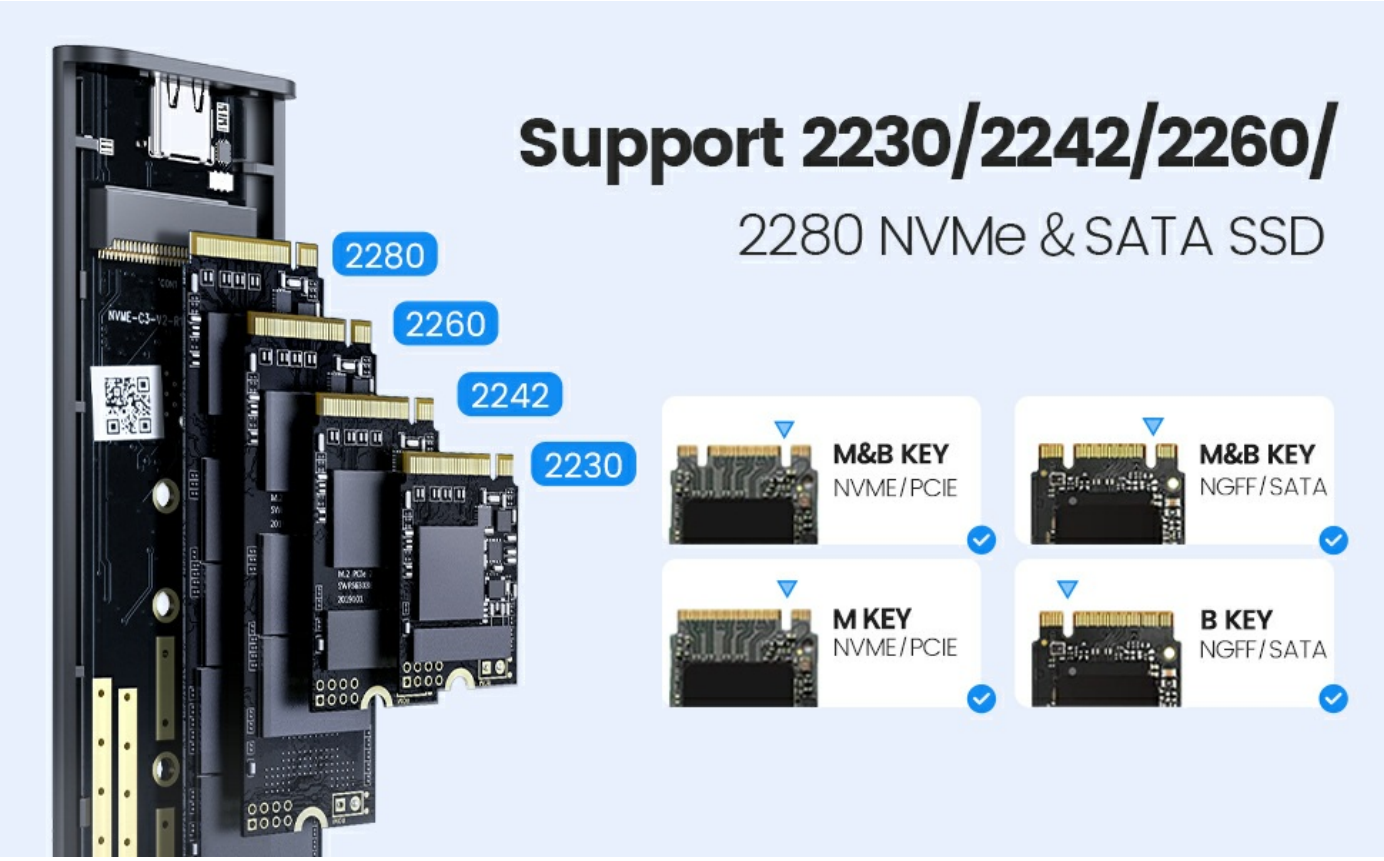


Image: A visual representation of compatible M.2 SSD sizes (2230, 2242, 2260, 2280) and key types (M Key for NVMe, B+M Key for SATA).

5.2 Operating System Compatibility

- Windows
- macOS
- Linux

5.3 Device Compatibility

Compatible with a wide range of devices, including:

- PCs and Laptops
- Smart TVs
- Mobile Phones (with OTG support)
- Smart Routers
- Gaming Consoles (PS3/PS4/XBOX, etc.)

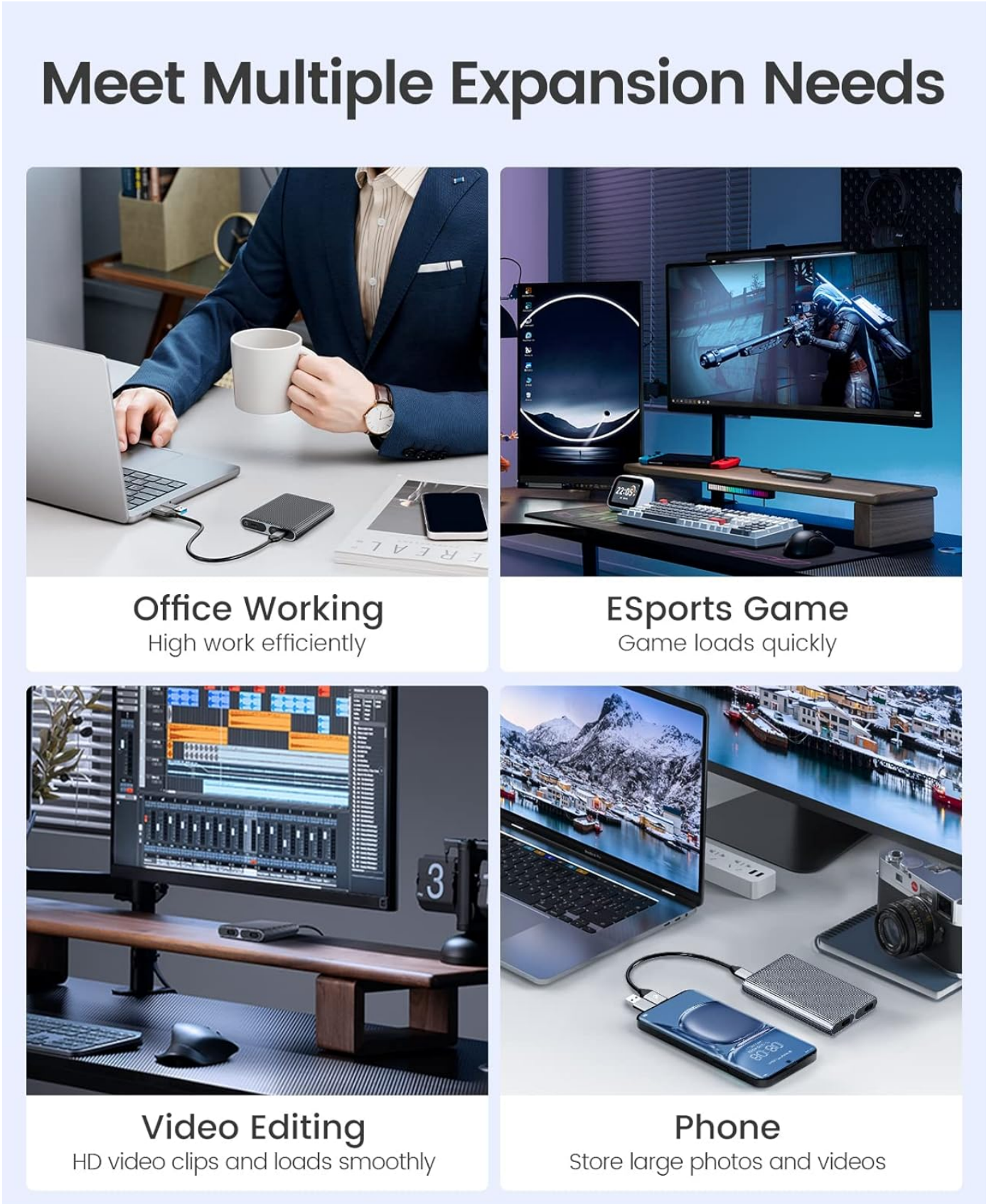


Image: Examples of how the ORICO enclosure can be used in different scenarios, such as office work, gaming, video editing, and with mobile phones.

6. Heat Dissipation

The ORICO M.2 NVMe SATA enclosure is engineered with an aluminum alloy striped fin design to maximize heat dissipation. This design, combined with the included cooling vests and silicone thermal pads, effectively reduces the operating temperature of high-speed SSDs, ensuring stable performance and extending their lifespan.

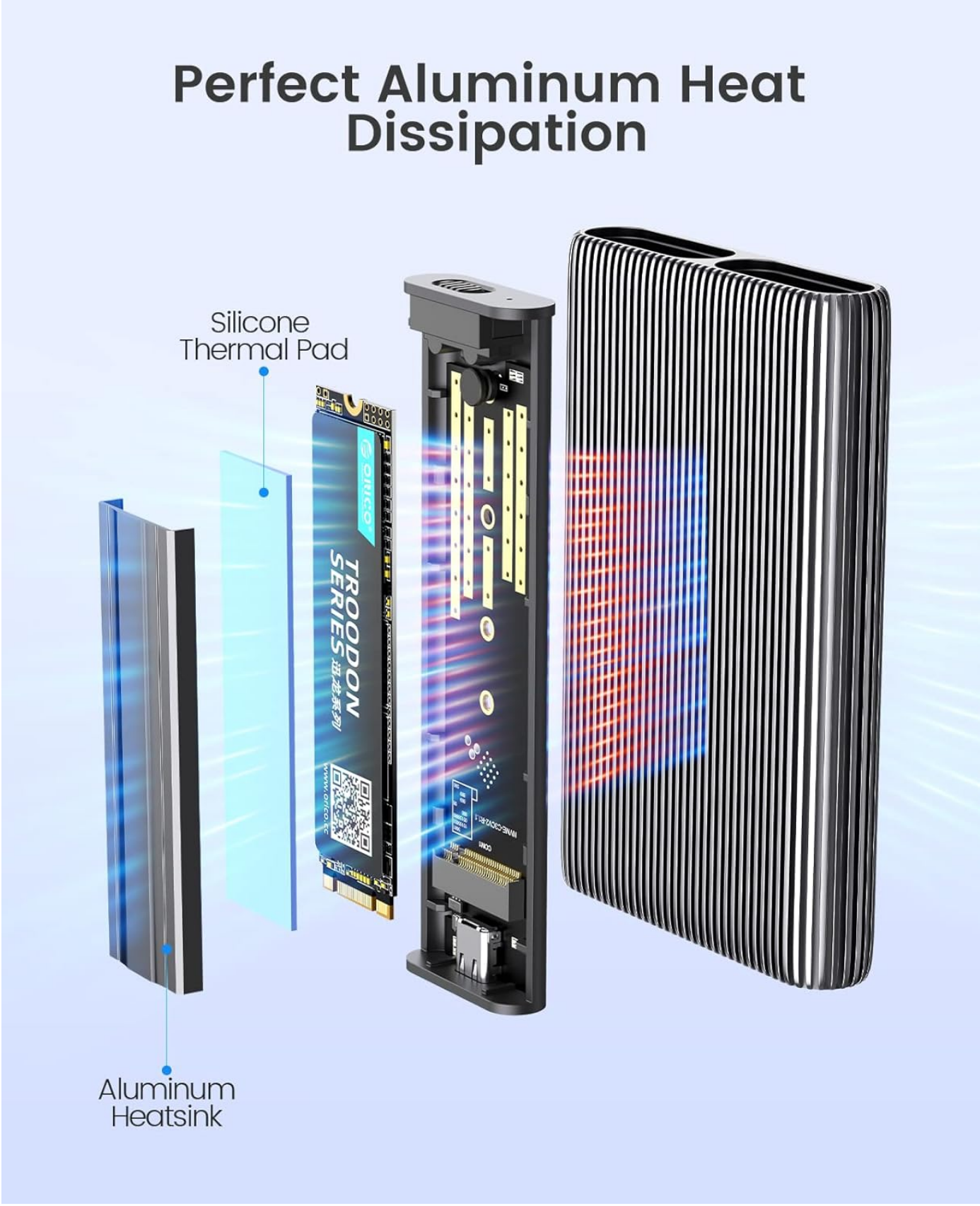


Image: An exploded view showing the aluminum heatsink and silicone thermal pad working together to dissipate heat from the SSD within the enclosure.

7. Troubleshooting

- **SSD Not Recognized:** If your new SSD is not recognized by your device, ensure it has been properly partitioned and formatted for first use. Confirm that the hard disk format is consistent with the SSD format supported by your operating system.

- **Data Loss Prevention:** Always back up data before performing any operations on the SSD. Avoid unplugging the enclosure during data transfer.
- **Overheating:** Ensure the cooling vest and thermal pads are correctly installed on the SSD to facilitate proper heat dissipation.
- **Connection Issues:** Verify that the USB cable is securely connected to both the enclosure and your device. Try a different USB port or cable if issues persist.

8. Specifications

Feature	Detail
Model	M.2 SATA+NVMe-Dual
Hardware Interface	USB Type C
Material	Aluminum
Item Weight	180 Grams
Memory Storage Capacity	Up to 2 x 4TB (8TB total)
Supported Devices Quantity	2 (one NVMe, one SATA)
Data Transfer Rate	NVMe: Up to 10 Gbps; SATA: Up to 6 Gbps
Hard Disk Form Factor	22mm (supports 2230, 2242, 2260, 2280)
Compatible Devices	Laptop, PC, Smart TV, Mobile Phones (OTG), Smart Routers, PS3/PS4/XBOX

9. Warranty and Support

ORICO provides a 12-month warranty for this product. For technical assistance or any inquiries, please contact ORICO customer support. Details for support can typically be found on the official ORICO website or through your purchase platform.

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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.

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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