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› [Yottamaster](#) /

› [Yottamaster M.2 NVMe SATA Enclosure - Instruction Manual for Model nvme1](#)

Yottamaster nvme1

Yottamaster M.2 NVMe SATA Enclosure - Instruction Manual

Model: nvme1

1. PRODUCT OVERVIEW

The Yottamaster M.2 NVMe SATA Enclosure is a high-performance external storage solution designed for M.2 NVMe PCIe and SATA M-Key / B+M SSDs. Featuring a 10Gbps USB 3.2 Gen2 USB-C interface and UASP acceleration protocol, it ensures rapid data transfer. Its tool-free design and aluminum alloy casing provide convenient installation and efficient heat dissipation. The enclosure supports various SSD sizes (2230, 2242, 2260, 2280) and is compatible with a wide range of devices.

10Gbps

Experience extremely fast transfer



Figure 1: Yottamaster M.2 NVMe SATA Enclosure. This image displays the sleek, gray aluminum enclosure, highlighting its compact and portable design.

2. WHAT'S IN THE Box

- M.2 NVMe SATA Enclosure
- USB-C to USB-C Data Cable
- USB-C to USB-A Adapter (integrated with cable)
- Thermal Pad
- Silicone Screw/Fastener
- User Manual

3. SETUP AND INSTALLATION

The Yottamaster M.2 NVMe SATA Enclosure features a tool-free design for quick and easy SSD installation.

1. **Open the Enclosure:** Press the release button on the back of the enclosure and slide out the internal tray.

2. **Insert SSD:** Gently insert your M.2 NVMe or SATA SSD into the M.2 slot on the internal tray. Ensure the SSD is fully seated.
3. **Secure SSD:** Use the provided silicone screw/fastener to secure the end of the SSD to the tray. This prevents movement and ensures proper contact.
4. **Apply Thermal Pad (Optional but Recommended):** Remove the protective film from the thermal pad and place it directly onto the SSD's chips. This aids in heat dissipation.
5. **Close the Enclosure:** Slide the internal tray back into the aluminum casing until it clicks securely into place.



Figure 2: Visual guide for the tool-free installation of an M.2 SSD into the enclosure. The image shows the steps: pressing the release button, sliding out the tray, inserting the SSD, and reassembling the enclosure.



Figure 3: An exploded view illustrating the internal components of the enclosure, including the aluminum top cover, LED indicator, thermal fin, cooling pad, protocol interface, silicone screw, and silicone screw port.

Video 1: Official Yottamaster video demonstrating the M.2 NVMe SATA Enclosure, including its features and ease of use. This video provides a visual overview of the product and its functionality.

4. OPERATING INSTRUCTIONS

4.1 Connectivity

Connect the enclosure to your device (PC, smartphone, laptop, smart TV, router, gaming console) using the provided USB-C to USB-C data cable. The cable also includes a USB-A adapter for broader compatibility.

USB C TO C+A 2-in-1 data cable



Smartphones & Tablets



iPad Pro/iPad mini 2021
iPad Air 4/Mate Pad and other
Type-C interface tablets

Game consoles



Switch/PS5/PS4

Laptops



MacBook/ASUS
Lenovo and other
Type-A/C laptops

Figure 4: The included 2-in-1 USB-C to USB-C/USB-A data cable, along with examples of compatible devices such as smartphones, tablets, game consoles (Switch, PS5/PS4), and laptops (MacBook, ASUS, Lenovo).

4.2 Intelligent Features

- **Intelligent Sleep Technology:** The enclosure automatically enters sleep mode after 10 minutes of inactivity. This conserves energy and extends the lifespan of your SSD.
- **LED Indicator:** A built-in LED indicator provides clear visual monitoring of the SSD's status, allowing you to stay informed at a glance.

5. COMPATIBILITY

The enclosure is compatible with NVMe PCIe and SATA M-Key / B+M connectors M.2 SSDs. It supports SSD sizes of 2230, 2242, 2260, and 2280. It is suitable for use with PCs, smartphones, laptops, smart TVs, routers, and gaming consoles.

Compatible with

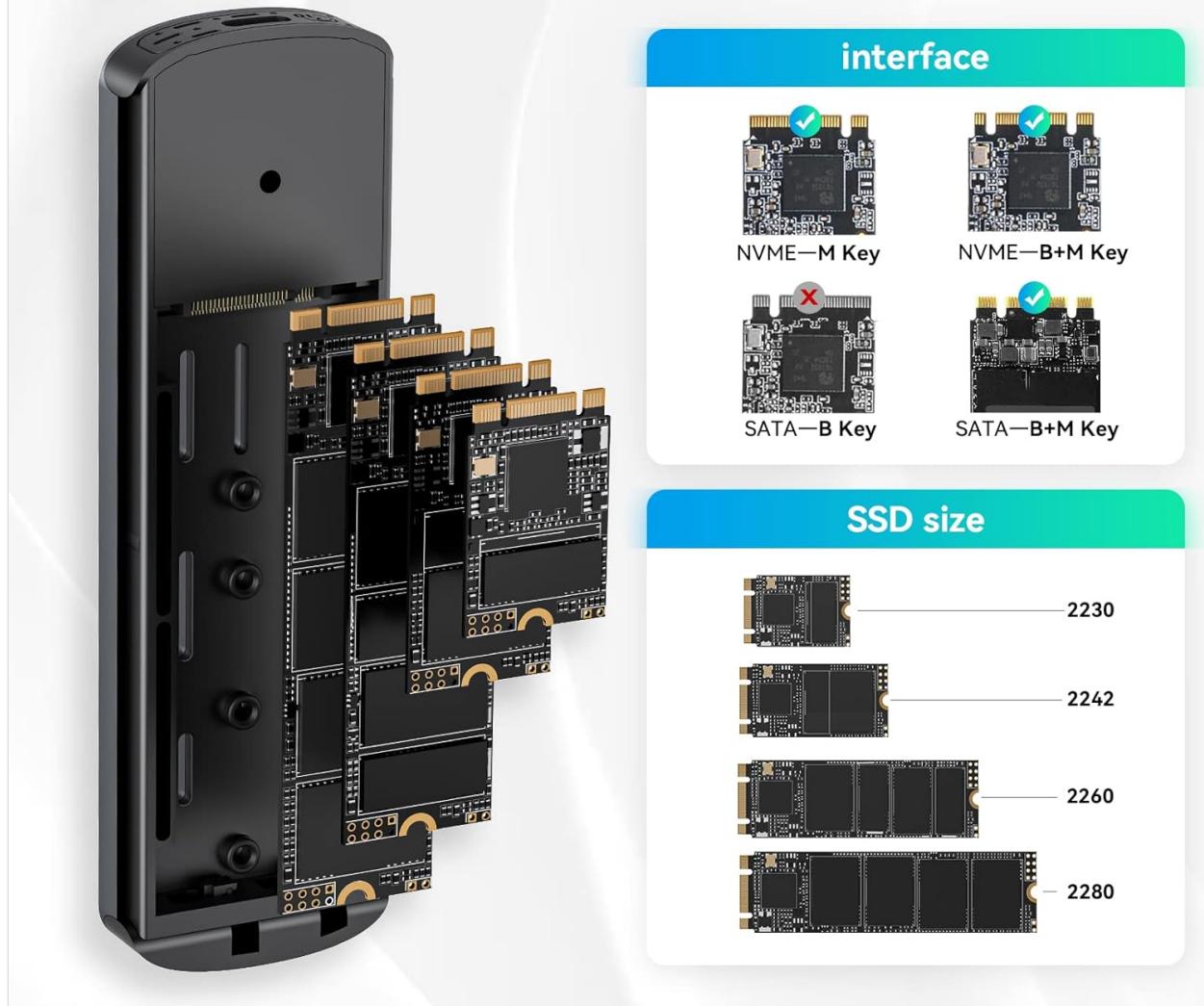


Figure 5: A detailed chart showing compatibility with NVMe M Key, NVMe B+M Key, and SATA B+M Key interfaces, as well as supported SSD sizes (2230, 2242, 2260, 2280).

6. PERFORMANCE

Equipped with a 10Gbps main control scheme and supporting the UASP acceleration protocol, this enclosure ensures rapid data transfer. The external USB 3.2 Gen2 USB-C output interface provides a maximum transfer rate of 10Gbps, delivering exceptional speed and efficiency for various tasks including working, shooting, and gaming.

10Gbps High-Speed

Experience extremely fast transfer

USB 3.2 Gen2(10Gbps)

10X

USB 2.0 (40Mbps)

1X



Figure 6: Graphic illustrating the 10Gbps high-speed transfer capability of the enclosure, emphasizing its efficiency compared to slower USB standards.

Working



Shooting

Gaming

Figure 7: Depiction of various usage scenarios for the enclosure, including working on a laptop, professional video shooting, and gaming, highlighting its versatility.

7. SPECIFICATIONS

- **Brand:** Yottamaster
- **Model Number:** nvme1
- **Color:** Grey
- **Hardware Interface:** USB Type C
- **Data Transfer Speed:** 10Gbps (USB 3.2 Gen2)
- **Compatible SSD Types:** NVMe PCIe M-Key / B+M, SATA B+M M.2 SSDs
- **Supported SSD Sizes:** 2230, 2242, 2260, 2280
- **Special Features:** Fast Data Transfer, Indicator Light, Lightweight, Plug and Play, Portable, Intelligent Sleep Technology
- **Compatible Devices:** Desktops, Laptops, Smartphones, Smart TVs, Routers, Gaming Consoles
- **Item Weight:** 4.6 ounces
- **Package Dimensions:** 7.24 x 4.25 x 1.1 inches

8. TROUBLESHOOTING

- **Drive Not Detected:**

- Ensure the SSD is correctly inserted and secured in the enclosure.
- Verify the USB cable is securely connected to both the enclosure and the host device.
- Try connecting to a different USB port or a different host device.
- For new SSDs, ensure they are initialized and partitioned in your operating system's Disk Management (Windows) or Disk Utility (macOS).

- **Slow Transfer Speeds:**

- Ensure you are using a USB 3.2 Gen2 (10Gbps) compatible port on your host device. Older USB 2.0 or 3.0 ports will result in slower speeds.
- Verify your SSD itself supports 10Gbps speeds.
- Check the integrity of the USB cable.
- Ensure the thermal pad is correctly installed to prevent thermal throttling.

- **Enclosure Overheating:**

- Ensure the thermal pad is correctly installed between the SSD and the aluminum casing.
- Avoid prolonged heavy data transfers in poorly ventilated areas.

- **LED Indicator Not Lighting Up:**

- Check all cable connections.
- Ensure the host device is powered on and providing sufficient power to the USB port.

9. WARRANTY AND SUPPORT

For warranty information, technical support, or further assistance, please refer to the official Yottamaster website or contact their customer service directly. Keep your purchase receipt for warranty claims.