ORICO e5000 M2P7

ORICO e5000 2TB PCIe NVMe SSD and M2P7 9-in-1 USB-C Hub Instruction Manual

Model: e5000 M2P7

| Overview | Setup | Operation | Introduction Maintenance | Safety Information Troubleshooting | Product Specifications | Warranty & Support |

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your ORICO e5000 2TB PCIe NVMe SSD and M2P7 9-in-1 USB-C Hub bundle. This product combines a high-speed solid-state drive with a versatile docking station, designed to enhance your productivity and connectivity. Please read this manual thoroughly before using the product to ensure proper function and safety.

2. SAFETY INFORMATION

- Keep the device away from water, moisture, and extreme temperatures.
- Do not attempt to disassemble or repair the device yourself. Refer to qualified service personnel.
- Use only the provided or recommended power adapters and cables.
- Avoid dropping or subjecting the device to strong impacts.
- Ensure proper ventilation to prevent overheating, especially during prolonged use.

3. PRODUCT OVERVIEW

The ORICO e5000 M2P7 bundle integrates a high-performance 2TB PCIe NVMe SSD with a feature-rich 9-in-1 USB-C hub. This combination provides expanded storage, high-speed data transfer, and comprehensive connectivity options for various devices.

3.1. Key Features

- **High-Speed 2TB NVMe SSD:** Includes a PCIe Gen4x4 SSD with read speeds up to 5200MB/s and write speeds up to 3600MB/s.
- **9-in-1 USB-C Hub:** Features a built-in M.2 NVMe SSD bay and multiple ports including Gigabit Ethernet, 100W Power Delivery (PD), USB-A, USB-C, and SD/TF card slots.
- **Efficient Cooling System:** Equipped with an integrated fan and heatsink to maintain optimal operating

temperatures for the SSD, ensuring stable performance.

- **Tool-Free SSD Installation:** Designed for easy and quick installation of M.2 NVMe SSDs without the need for tools. Supports 2230, 2242, 2260, and 2280 form factors.
- **Simultaneous Charging and Connectivity:** The 100W PD-in port allows for charging your host device while simultaneously using other hub functions.

Image: Detailed view of the ORICO 9-in-1 USB-C Hub, highlighting its various ports including USB-A, USB-C, Ethernet, SD/TF card slots, PD-in, and the internal M.2 NVMe SSD enclosure with a cooling fan.

Image: Cross-sectional view of the ORICO USB-C Hub, illustrating the integrated turbo fan and M.2 heatsink designed for efficient SSD cooling and stable data transmission.

4. SETUP

4.1. SSD Installation (Tool-Free)

1. Gently slide open the SSD enclosure cover.
2. Insert the ORICO e5000 NVMe SSD (or another compatible M.2 NVMe SSD) into the M-Key slot. Ensure the SSD is

fully seated.

3. Secure the SSD with the provided rubber fastener or clip, if applicable, to hold it in place.
4. Slide the enclosure cover back until it clicks securely.

10Gbps
USB3.2 Gen 2

2 * USB A 3.0
500MB/S

USB C/A 3.2 Gen2
1000MB/S

*NOTE: If multiple interfaces are used at the same time, the transfer speed of each port will be slightly reduced.

Image: Visual guide demonstrating the tool-free installation of an M.2 NVMe SSD into the enclosure, highlighting compatibility with 2230, 2242, 2260, and 2280 form factors and the M Key interface.

4.2. Connecting the Hub to Your Device

1. Connect the integrated USB-C cable from the ORICO M2P7 hub to a USB-C port on your laptop, tablet, or PC. Ensure your host device's USB-C port supports data transfer and, if desired, Power Delivery (PD).

2. For optimal performance, connect the hub to a USB-C port that supports USB 3.2 Gen 2 (10Gbps) or higher.

4.3. Power Delivery (Optional)

To charge your host device (laptop, tablet, or phone) through the hub, connect a USB-C power adapter (up to 100W) to the PD-in port on the ORICO M2P7 hub. This allows you to power your device while simultaneously using the hub's other functions.

5. OPERATING INSTRUCTIONS

5.1. Data Transfer via USB Ports

The hub features multiple USB-A and USB-C ports for connecting external devices such as USB drives, external hard drives, keyboards, and mice. The 10Gbps USB-C and USB-A 3.2 Gen 2 ports offer high-speed data transfer for rapid file access and backups.
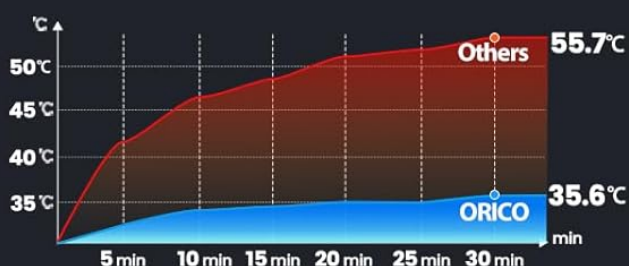
Upgraded Built-in Turbo Fan & M.2 Heatsink

Fast cooling SSD to ensure stable and safe transmission

M.2 Heatsink

Cooling Fan

ORICO

NOTE:

1. To reduce noise and energy consumption, the fan starts to work when temperature is over **50℃**

2. M.2 heatsink only for single and double-sided 2280 NVMe SSD

Others 55.7℃

ORICO 35.6℃

Image: The ORICO USB-C Hub connected to a laptop, illustrating high-speed data transfer at 10Gbps via its USB-C and USB-A 3.2 Gen 2 ports with external storage devices.

5.2. Ethernet Connection

Connect an Ethernet cable to the Gigabit Ethernet port on the hub to establish a stable and fast wired network connection for your host device. This is ideal for environments where Wi-Fi is unreliable or slower.

5.3. SD/TF Card Reader

Insert your SD or TF (MicroSD) memory cards into the corresponding slots on the hub to access photos, videos, and other data directly. This is convenient for photographers and content creators.

5.4. SSD Usage

Once the NVMe SSD is installed and the hub is connected, the SSD will appear as an external drive on your computer. You can use it for storing large files, running applications, or as a fast backup solution. The integrated cooling system ensures sustained performance during intensive tasks.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the hub and enclosure. Do not use liquid cleaners or solvents.
- **Storage:** When not in use for extended periods, store the device in a cool, dry place away from direct sunlight.
- **Firmware Updates:** Check the ORICO official website periodically for any available firmware updates for the hub or SSD to ensure optimal performance and compatibility.

7. TROUBLESHOOTING

7.1. Device Not Recognized

- Ensure the USB-C cable is securely connected to both the hub and your host device.
- Try connecting the hub to a different USB-C port on your host device.
- Verify that your host device's USB-C port supports data transfer.
- For the SSD, ensure it is correctly installed in the enclosure and properly seated in the M-Key slot.
- Check your computer's Disk Management (Windows) or Disk Utility (macOS) to see if the SSD is detected but uninitialized or unformatted.

7.2. Slow Data Transfer Speeds

- Ensure your host device's USB-C port supports USB 3.2 Gen 2 (10Gbps) or higher. Connecting to a slower USB port (e.g., USB 2.0 or USB 3.0/3.1 Gen 1) will limit speeds.
- Using multiple interfaces simultaneously (e.g., transferring data, charging, and using Ethernet) may slightly reduce the transfer speed of each port. This is normal operation.
- Verify that the cables used for external devices also support high-speed data transfer.
- For the SSD, ensure it is a genuine NVMe SSD and not a SATA M.2 SSD, as SATA speeds are significantly lower.

7.3. Power Delivery Not Working

- Ensure your USB-C power adapter is connected to the PD-in port on the hub and is functioning correctly.
- Verify that your host device supports charging via its USB-C port.
- Check the wattage of your power adapter; it should be sufficient for your host device's charging requirements (up to 100W supported by the hub).

8. SPECIFICATIONS

Component	Feature	Detail
	Capacity	2TB

Component ORICO e5000 NVMe SSD	Feature	Detail
	Interface	PCIe Gen4x4
	Read Speed	Up to 5200MB/s
	Write Speed	Up to 3600MB/s
ORICO M2P7 9-in-1 USB-C Hub	SSD Enclosure	M.2 NVMe (M-Key), supports 2230/2242/2260/2280
	USB-C Host Connection	1x USB-C (integrated cable)
	Data Ports	2x USB-A 3.2 Gen 2 (10Gbps), 1x USB-C 3.2 Gen 2 (10Gbps)
	Ethernet	1x Gigabit Ethernet (RJ45)
	Power Delivery	1x USB-C PD-in (up to 100W)
	Card Reader	1x SD slot, 1x TF (MicroSD) slot
	Cooling	Built-in fan and heatsink

Image: A visual representation of the ORICO e5000 PCIe 4.0 NVMe SSD's high read and write speeds, highlighting its performance capabilities compared to SATA SSDs.

9. WARRANTY & SUPPORT

9.1. Warranty Information

ORICO products are covered by a manufacturer's warranty. Please refer to the warranty card included with your product or visit the official ORICO website for detailed warranty terms and conditions specific to your region and product model.

9.2. Customer Support

For technical assistance, troubleshooting, or product inquiries, please contact ORICO customer support through their official website or the contact information provided in your product packaging. When contacting support, please have your product model number (e5000 M2P7) and purchase details ready.