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› ORICO USB-C Hub with M.2 SSD Enclosure User Manual

ORICO OM28P

ORICO USB-C Hub with M.2 SSD Enclosure

Model: OM28P

Brand: ORICO

INTRODUCTION

This manual provides detailed instructions for the proper use, installation, and maintenance of your ORICO OM28P USB-C Hub with M.2 SSD Enclosure. This innovative 8-in-1 docking station combines the functionality of a USB-C hub with an M.2 NVMe/SATA SSD enclosure, offering expanded storage and versatile connectivity for your devices.

8-in-1 USB C Docking Station with M.2 SSD Enclosure



Image: A detailed diagram illustrating the 8-in-1 features of the ORICO USB-C Hub, including PD charging, USB 3.2 Gen 2 ports, SD/TF card reader, HDMI, and M.2 SSD enclosure.

WHAT'S IN THE BOX

Please verify that all items are present in the package:

- ORICO USB-C Dock with M.2 Enclosure

- Thermal Pad
- Heatsink
- Instruction Book (Quick Start Guide)
- Screwdriver
- 2 x Plastic Plugs
- Screw
- USB-C to USB-C Cable (for computer connection)

What's in the Box

1 Thermal Pad

2 Heatsink

3 Instruction Book

4 USB C Dock with M.2 Enclosure

5 Screwdriver

6 2 x Plastic Plug

7 Screw



Image: An exploded view showing all components included in the ORICO USB-C Hub package, clearly labeled with numbers.

SETUP: M.2 SSD INSTALLATION

Follow these steps to install an M.2 SSD into the enclosure. (M.2 SSD needs to be purchased separately.)

1. **Open the Enclosure:** Use the provided screwdriver to open the enclosure cover.
2. **Install SSD in Heatsink:** Place the M.2 SSD into the heatsink. Ensure the thermal pad is applied between the SSD and the heatsink for optimal cooling.
3. **Place SSD in Slot:** Carefully insert the M.2 SSD with the heatsink installed into the designated slot within the enclosure.
4. **Close Enclosure:** Securely close the enclosure cover using the screwdriver.
5. **Connect:** Connect the USB-C hub to your computer or phone using the provided USB-C to USB-C cable.

The enclosure supports M.2 NVMe/SATA SSDs with M, B, or M+B keys and form factors 2230, 2242, 2260, and 2280.

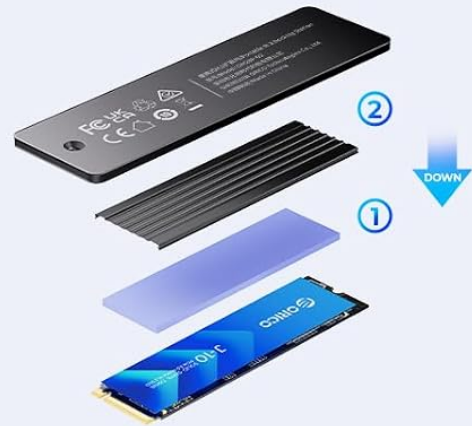
Installation Steps

1



Open the enclosure cover with the screwdriver.

2



Install the M.2 SSD in the heatsink. (M.2 SSD needs to be purchased separately.)

3



Place the M.2 SSD with heatsink installed in the slot.

4



Close the enclosure cover. Connect to a computer or phone.

Image: A four-step visual guide demonstrating how to open the enclosure, install an M.2 SSD with a heatsink, place it into the slot, and close the cover.

10 Gbps
Data Transfer

M.2 NVMe/SATA SSD Enclosure



NVME & SATA Compatible



✓ **M+B Key**
NVME/PCIE



✓ **M+B Key**
NGFF/SATA



✓ **M Key**
NVME/PCIE



✗ **B Key**
NGFF/SATA

✓ **2230**



✓ **2242**



✓ **2260**



✓ **2280**



ORICO • USB-C docking station with M.2 SSD enclosure
• Storage & Expansion All-in-One Solution



Others • 1* USB C dock & 1* M.2 SSD enclosure
• Cluttered desk
• Not conducive to portability

Image: A diagram illustrating the compatibility of the M.2 SSD enclosure with various NVMe and SATA M.2 SSD types (M Key, B Key, M+B Key) and sizes (2230, 2242, 2260, 2280).

OPERATING INSTRUCTIONS

Connecting the Hub

Connect the integrated USB-C cable from the ORICO hub to a USB-C port on your laptop, PC, or compatible device. For

stable data transfer, especially when using the SSD, ensure a PD charger is connected to the hub's PD port.

Using USB Ports and SSD

The hub features two USB-A ports and one USB-C port, all supporting 10Gbps data transfer. Plug your USB devices (e.g., external hard drives, flash drives, keyboards, mice) into these ports. The integrated M.2 SSD will appear as an external drive on your system, allowing for high-speed data storage and retrieval.

**Transfer Files
in Seconds**

10 Gbps

1 x USB-C
2 x USB-A

Note: Type-C is for data transfer only and cannot charge the device.

Image: A laptop connected to the ORICO hub, demonstrating fast file transfers at 10Gbps via USB-C and USB-A ports.

HDMI Display Output

Connect an HDMI cable from the hub's HDMI port to your external monitor or TV. Ensure your host device's USB-C port supports video transmission (DisplayPort Alternate Mode). The hub supports resolutions up to 4K@60Hz for a clear and smooth visual experience.

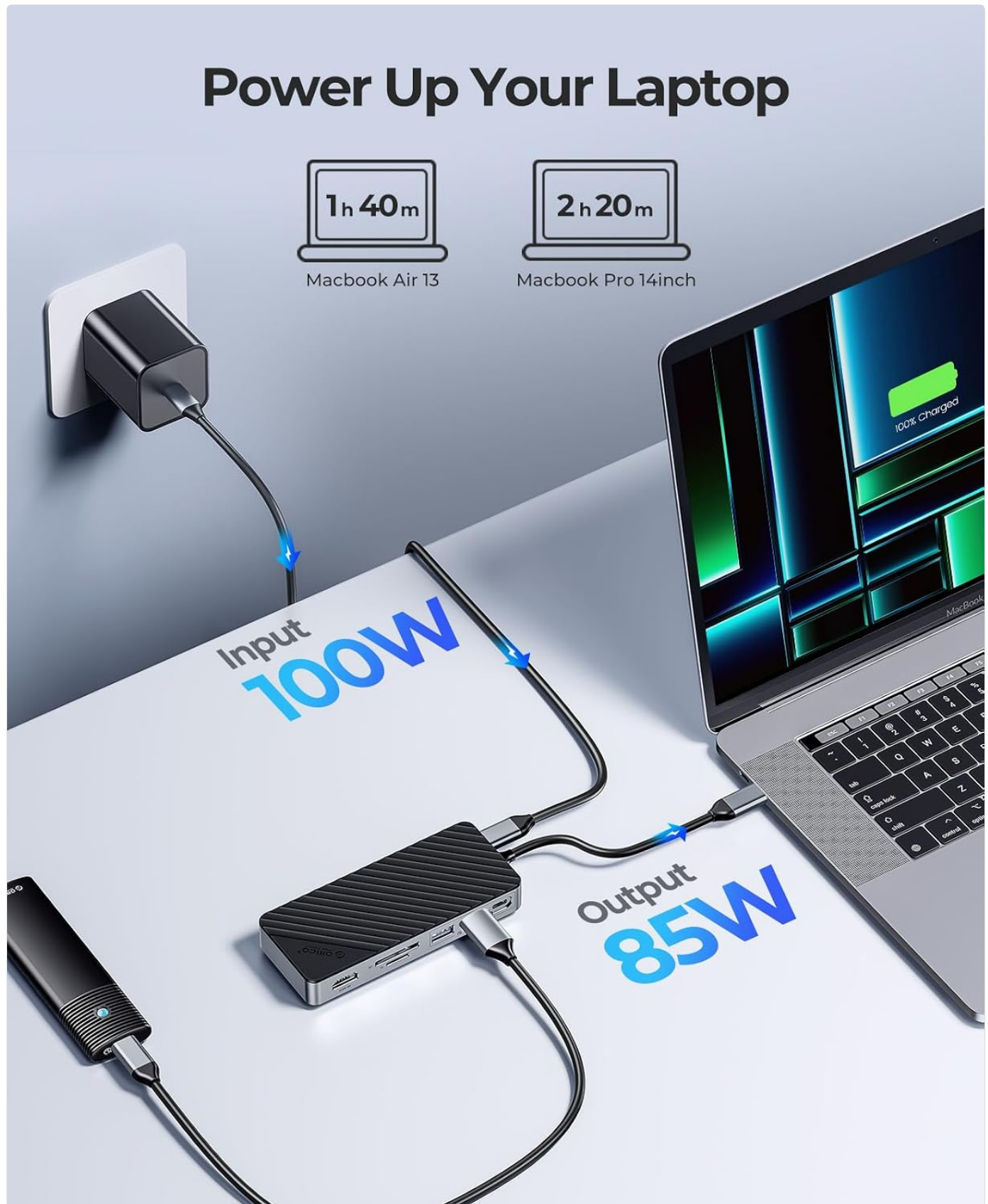


Image: A laptop connected to an external monitor through the ORICO hub, displaying a 4K@60Hz resolution for enhanced visual workspace.

Power Delivery (PD) Charging

Connect your laptop's original USB-C power adapter to the PD port on the ORICO hub. The hub supports up to 100W Power Delivery, allowing you to charge your laptop while using the hub's other functions. This ensures stable operation, especially for power-intensive tasks or when using the M.2 SSD.



Image: A diagram showing the ORICO hub connected to a power adapter, delivering up to 100W of power to a laptop, illustrating efficient charging.

SD/TF Card Reader

Insert your SD or TF (MicroSD) card into the corresponding slot. The hub allows for quick transfer of photos and videos.

Remember that only one card (SD or TF) can be used at a time.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the surface of the hub. Avoid liquid cleaners or abrasive materials.
- **Storage:** Store the hub in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Avoid dropping or subjecting the device to strong impacts.
- **Disconnection:** Always safely eject any connected storage devices (like the M.2 SSD or SD/TF cards) from your operating system before physically disconnecting the hub.

TROUBLESHOOTING

- **SSD Not Detected:**
 - Ensure the M.2 SSD is correctly installed and secured within the enclosure.
 - Verify the USB-C cable connection between the hub and your host device is secure.
 - Connect a PD charger to the hub's PD port to ensure sufficient power, especially for NVMe SSDs.
 - Check Disk Management (Windows) or Disk Utility (macOS) to see if the SSD is recognized but unformatted.
- **HDMI Display Not Working:**
 - Confirm that your host device's USB-C port supports video output (DisplayPort Alternate Mode).
 - Try a different HDMI cable or monitor.
 - Ensure the hub is receiving adequate power, especially if multiple devices are connected.
- **Slow Data Transfer Speeds:**
 - Ensure your host device's USB-C port supports USB 3.2 Gen2 (10Gbps).
 - Use high-quality USB cables for connected peripherals.
 - Verify the SSD installed is capable of 10Gbps speeds.
- **Charging Issues:**
 - Ensure your PD charger is connected to the hub's PD port and is capable of delivering sufficient wattage (e.g., 100W).
 - Check the charging cable between the PD charger and the hub.

SPECIFICATIONS

Feature	Detail
Brand	ORICO
Model	OM28P
Color	Black

Hardware Interface	HDMI, USB 3.2 Gen 2, USB Type C
Compatible Devices	PC, laptop
Total USB Ports	3 (2x USB-A, 1x USB-C)
Number of Ports (Total)	8 (including M.2 SSD enclosure, HDMI, SD/TF, PD)
Total HDMI Ports	1
Wattage (PD)	100 watts
Manufacturer	SHENZHEN ORICO TECHNOLOGIES CO.,LTD

WARRANTY AND SUPPORT

For specific warranty information regarding your ORICO OM28P USB-C Hub with M.2 SSD Enclosure, please refer to the product packaging or visit the official ORICO website. Warranty terms and conditions may vary by region and retailer.

For technical support, troubleshooting assistance, or any product-related inquiries, please contact ORICO customer service through their official channels. Contact information can typically be found on the ORICO website or in the quick start guide included with your product.

Please note: No official product videos were available for embedding based on the provided product data.

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