

ORICO 8858RC3

ORICO All-Flash 5-Bay USB-C Docking Station User Manual

Model: 8858RC3

1. INTRODUCTION

Thank you for choosing the ORICO All-Flash 5-Bay USB-C Docking Station. This device is designed to provide high-speed, high-capacity storage solutions for your 2.5-inch SATA HDDs and SSDs, featuring a built-in cooling fan and flexible RAID mode management. This manual will guide you through the setup, operation, and maintenance of your docking station.



The ORICO All-Flash 5-Bay USB-C Docking Station, a versatile storage solution.

Package Contents

Please verify that all items are present in your package:

- 1 x 5-Bay 2.5 Hard Drive Enclosure
- 1 x 10Gbps USB A/C Transfer Cable
- 1 x Power Adapter
- 1 x Instruction Manual
- Thimbles
- Screw Accessories
- Screwdriver



All components included in the ORICO 5-Bay Docking Station package.

2. PRODUCT FEATURES AND OVERVIEW

The ORICO 5-Bay Docking Station offers advanced features for data management and storage:

- **High-Speed Data Transfer:** USB 3.2 Gen2 interface provides up to 10Gbps when connected to PSSD, and 5Gbps with SATA interface.
- **Flexible RAID Modes:** Supports RAID 0, 1, 3, 5, 10, JBOD, and CLEAR for various data protection and performance needs.
- **Multi-Interface Expansion:** Includes two USB 3.2 10Gbps ports and SD & TF 3.0 card slots.
- **High Capacity:** Supports up to 8TB per drive, totaling 40TB across five bays, with daisy-chaining for up to 120TB.
- **Compact and Portable:** 55% smaller than traditional 3.5-inch 5-bay enclosures, with excellent shock resistance.
- **Efficient Cooling:** Built-in cooling fan and aluminum alloy design ensure optimal heat dissipation.

Massive Storage



2.5inch SSD



2.5inch HDD

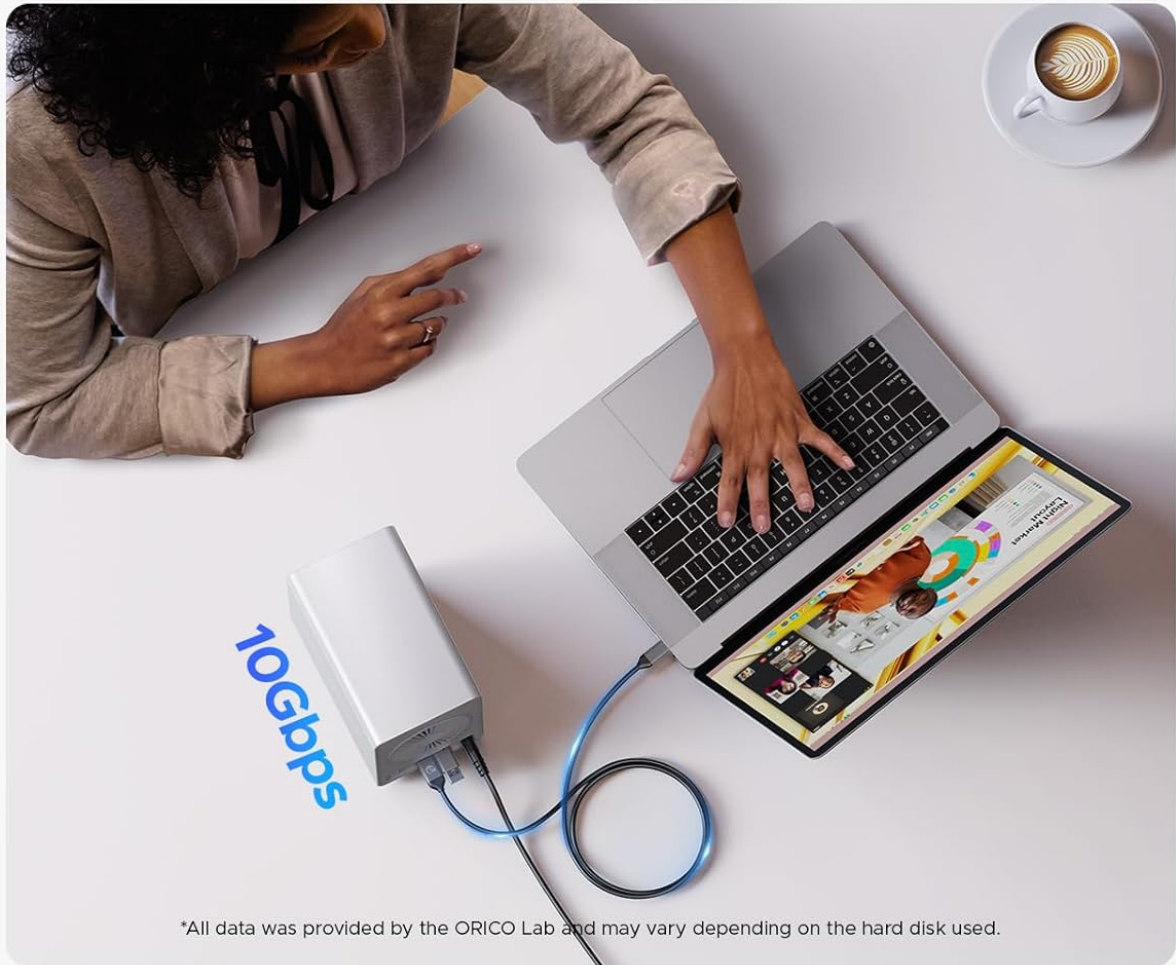
40TB



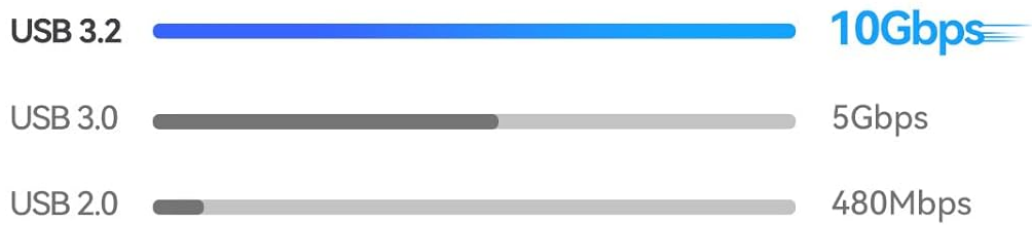
* Storage drives are not included.

Supports up to 40TB of storage using 2.5-inch SSDs or HDDs.

10Gbps Transfer Speed



*All data was provided by the ORICO Lab and may vary depending on the hard disk used.



Experience rapid data transfer speeds of up to 10Gbps.

More Compact

 **Dimensions**
167x101x140.5mm

 **55% Smaller**
Than 3.5inch 5 bay enclosures



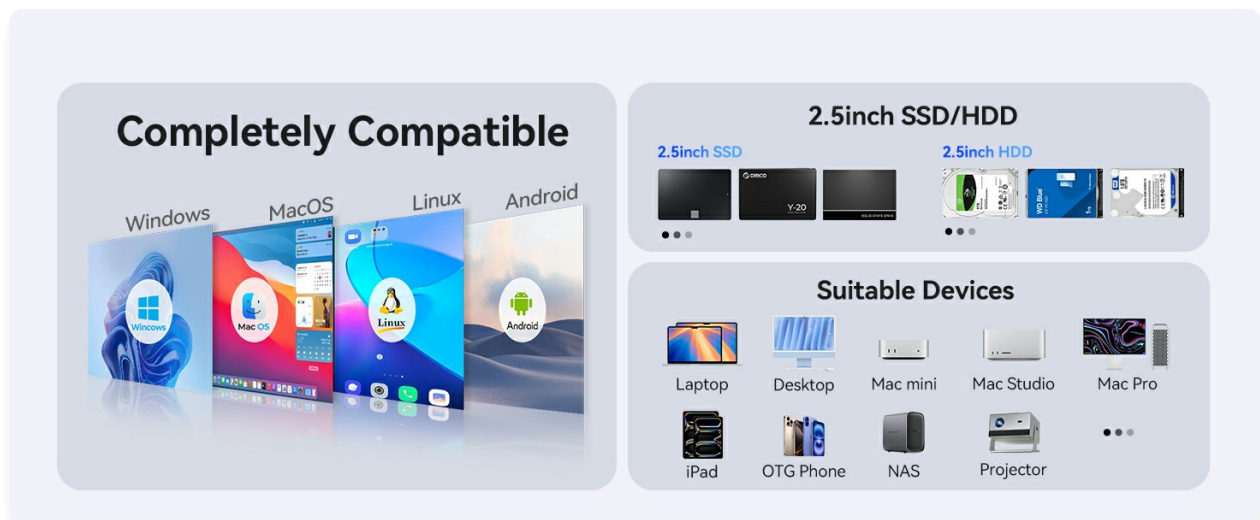
The compact design makes it highly portable and space-efficient.

3. SETUP AND INSTALLATION

Installing Hard Drives

Follow these steps to install your 2.5-inch SATA HDDs or SSDs into the docking station:

1. **Step 1:** Push the slide buckle on the left side of the drive bay to automatically eject the hard drive tray.
2. **Step 2:** Pull out the hard drive tray. Align the screw holes at the bottom of your 2.5-inch hard drive with the 4 fixing holes on the tray and secure it with screws.
3. **Step 3:** Carefully install the tray with the mounted drive back into the hard disk cabinet until it clicks into place. Repeat for all desired drives.











Visual guide for installing 2.5-inch hard drives into the ORICO docking station.

4. OPERATING INSTRUCTIONS

Connecting the Docking Station

Connect the ORICO docking station to your computer using the provided USB A/C transfer cable. Ensure the power adapter is connected to the docking station and a power outlet. The device supports various interfaces for connectivity:

- 1 x USB-A (10Gbps)
- 1 x USB-C (10Gbps)
- SD & TF 3.0 Card Slots (104MB/s)

RAID Mode	How to set up	Minmum Number of Disks	Utilization	RAID Usage Scenarios
RAID 0		 2-5	100%	HD Movies/Photoshop/Video Editing
RAID 1		 2	50%	Enterprise Files/Database Storage/Servers
RAID 3		 3-5	2/3=66%	Video Editing/Streaming Services
RAID 5		 3-5	2/3=66%	Finance/Data Centers/Database Storage

* WARNING: Please back up all data before change the RAID mode!

* The RAID management software is not supported for Mac OS and Linux systems.You need to manually group RAID.

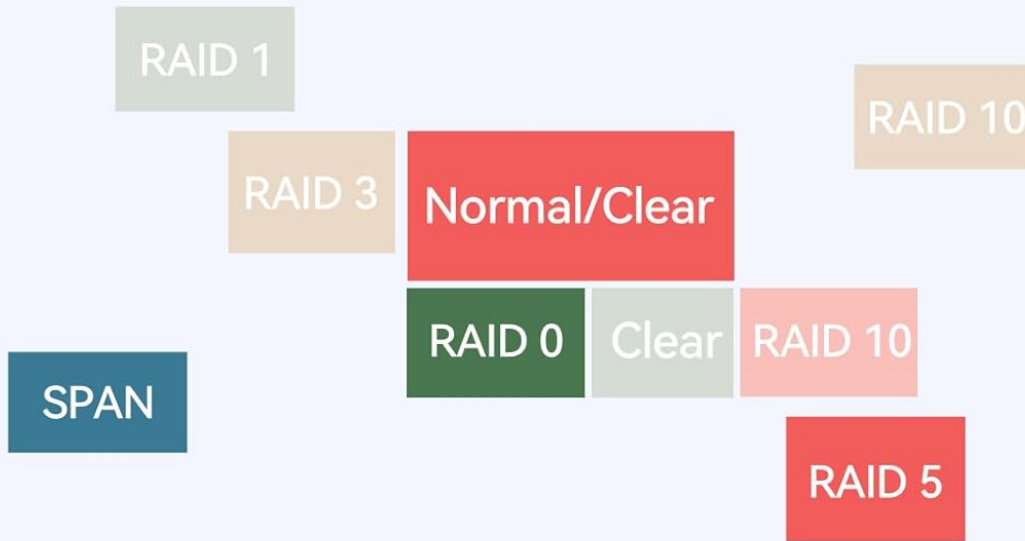
Front and rear panel interfaces for connectivity and expansion.

RAID Mode Configuration

The ORICO docking station supports multiple RAID modes.**Always back up your data before changing the RAID mode.** The RAID management software is not supported for Mac OS and Linux systems; you need to manually group RAID.

7 Raid Modes

RAID 0, RAID 1, RAID 3, RAID 5, RAID 10, Span, Clear



Supports RAID 0/1/3/5/10/Span and Clear




- * WARNING: Please back up all data before change the RAID mode!
- * The RAID management software is not supported for Mac OS and Linux systems. You need to manually group RAID.




Overview of the seven supported RAID modes.

RAID Mode Details (Part 1)

RAID Mode	How to set up	Minimum Number of Disks	Utilization	RAID Usage Scenarios
RAID 0		2-5	100%	HD Movies/Photoshop/Video Editing
RAID 1		2	50%	Enterprise Files/Database Storage/Servers
RAID 3		3-5	2/3≈66%	Video Editing/Streaming Services

RAID Mode	How to set up	Minimum Number of Disks	Utilization	RAID Usage Scenarios
RAID 5		3-5	2/3~66%	Finance/Data Centers/Database Storage

RAID Mode Details (Part 2)

RAID Mode	How to set up	Minimum Number of Disks	RAID Feature	Available Capacity	RAID Usage Scenarios
RAID 10		4	Striping & Mirroring	20TB*2	Banks/Finance/Business Supermarkets/Document Management
Span (JBOD)		2-5	Concatenation	40TB	Server/Database Storage
Normal/Clear		1-5	Independent Disks	20TB	Audio-Visual Collection, Security Monitoring

** You are advised to use hard disks of the same capacity to form a RAID array to maximize capacity utilization. The above total usable capacity calculations are based on a 20TB hard drive as an example.*

Data Transfer and Expansion

The docking station supports daisy-chaining via USB 3.2, allowing you to connect multiple devices for expanded storage. This is ideal for managing large volumes of data, such as in video production environments.

Flexible Capacity Expansion

Supports daisy-chaining for modular data management



Flexible capacity expansion through daisy-chaining multiple units.

5. COMPATIBILITY

The ORICO All-Flash 5-Bay Docking Station is widely compatible with various operating systems and devices:

- **Operating Systems:** Windows, macOS, Linux, Android, Chrome OS.
- **Compatible Devices:** Laptops, Desktops, Mac mini, Mac Studio, Mac Pro, iPads, OTG Phones, NAS,

Projectors, Routers.

- **Supported Drives:** 2.5-inch SSDs and HDDs (7-9.5mm thickness).

Widely Compatible

Compatible 2.5inch hard drives



2.5inch SSD/HDD

2.5inch SSD



2.5inch HDD



Suitable Devices



Laptop



Desktop



OTG Phone



Mac mini



Mac Studio



Mac Pro



iPad



NAS



Projector



Broad compatibility with major operating systems and a wide range of devices.

6. MAINTENANCE

Cooling System

The docking station features an upgraded built-in cooling fan and an aluminum alloy design to ensure efficient heat dissipation. This helps maintain optimal operating temperatures for your drives, prolonging their lifespan and ensuring stable performance.

Silicone Anti-Slip Setting

Silicone anti-skid pad at the bottom can keep the dock stable protecting the dock against damage



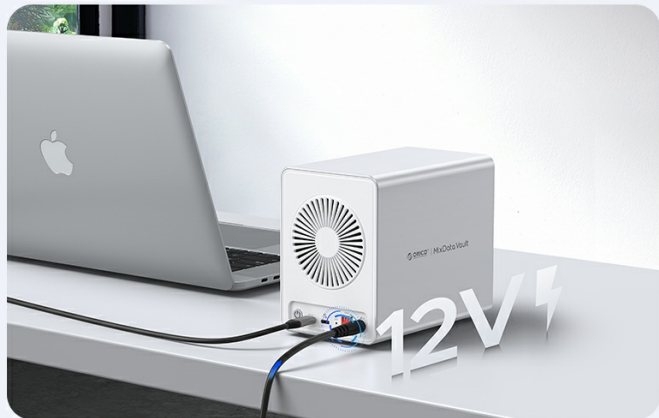
The integrated cooling fan and aluminum construction provide superior heat dissipation.

Stability and Placement

The device is equipped with silicone anti-skid pads at the bottom. These pads help keep the docking station stable on various surfaces, protecting it from accidental movement and potential damage.

DC 12V

Provide safe data transfer environment



Silicone anti-slip pads ensure stability and protect the unit.

7. SPECIFICATIONS

Feature	Detail
Model Number	8858RC3

Feature	Detail
Memory Storage Capacity	40 TB (Max)
Compatible Devices	Desktop, Laptop, Tablet
Hard Disk Form Factor	2.5 Inches (7-9.5mm)
Data Transfer Rate	10 Gbps (USB 3.2 Gen 2)
Manufacturer	SHENZHEN ORICO TECHNOLOGIES CO.,LTD
Product Dimensions	6.54 x 4.02 x 5.51 inches
Item Weight	4.82 pounds
Hardware Interface	USB 3.2 Gen 2
Color	Silver
Hardware Platform	PC
Material	Aluminum

8. TROUBLESHOOTING

If you encounter issues with your ORICO All-Flash 5-Bay USB-C Docking Station, please refer to the following common troubleshooting steps:

- **No Power:** Ensure the power adapter is securely connected to both the docking station and a working power outlet. Check if the power indicator light is on.
- **Drive Not Detected:** Verify that the hard drives are properly seated in their trays and the trays are fully inserted into the bays. Check the USB cable connection to your computer. Try connecting to a different USB port.
- **Slow Transfer Speed:** Ensure you are using a USB 3.2 Gen2 compatible port on your computer. The actual speed may vary depending on the hard disk used and system configuration.
- **RAID Configuration Issues:** Remember to back up all data before changing RAID modes. RAID management software is not supported for Mac OS and Linux; manual configuration is required. Ensure DIP switches are set correctly according to the desired RAID mode.
- **Overheating:** Ensure the docking station is placed in a well-ventilated area and the cooling fan is not obstructed.

For further assistance, please contact ORICO customer support.

9. WARRANTY AND SUPPORT

ORICO products come with a standard manufacturer's warranty. Please refer to the warranty card included in your package or visit the official ORICO website for detailed warranty terms and conditions.

For technical support, product inquiries, or warranty claims, please contact ORICO customer service through their official channels. Keep your purchase receipt and product model number (8858RC3) handy for faster service.

ORICO Official Website: www.oricotech.com