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› ORICO Daisy-Chain 5-Bay Hard Drive Enclosure USB 3.2 Gen 2 Aluminum Das Enclosure Support 22TB and Expansion Max Up to 330TB for 3.5-inchs HDD -9958C3 User Manual

ORICO 9958C3

ORICO Daisy-Chain 5-Bay Hard Drive Enclosure

MODEL: 9958C3 USER MANUAL

1. Introduction

The ORICO Daisy-Chain 5-Bay Hard Drive Enclosure (Model 9958C3) is a high-capacity direct-attached storage (DAS) solution designed for efficient data management and expansion. It supports up to five 3.5-inch SATA hard disks, offering a maximum capacity of 110TB per unit and expandable to 330TB through daisy-chaining. Featuring a 10Gbps USB 3.2 Gen 2 interface, this enclosure is ideal for professionals requiring bulk data processing, such as video editors. Its robust aluminum alloy construction and integrated cooling system ensure stable and reliable operation.



Image: Front view of the ORICO 5-Bay Hard Drive Enclosure.

2. Setup

2.1 Package Contents

Before beginning installation, please verify that all components are present in the package:

- 1 x DAS Studio (ORICO 5-Bay Hard Drive Enclosure)
- 1 x Screwdriver
- 1 x Power Cable
- 1 x Data Cable (USB-C to USB-A)
- 1 x Screw Pack
- 1 x User Manual

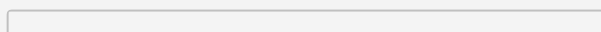


Image: Contents included in the ORICO 5-Bay Hard Drive Enclosure package.

2.2 Hard Drive Installation

Follow these steps to install 3.5-inch HDDs or 2.5-inch SSD/HDDs into the enclosure:

1. Press the door button on the left side of the desired bay to open the tray.
2. Pull out the empty hard drive bracket from the enclosure.
3. For 3.5-inch HDDs: Align the hard drive with the bracket and secure it using the provided screws into the four fixing holes on the head of the hard drive.
4. For 2.5-inch SSD/HDDs: Place the 2.5-inch drive into the bracket and secure it with screws.
5. Slide the loaded bracket back into the hard disk cabinet until it clicks into place. Close the door securely.
6. Repeat for all desired hard drives.



Image: Step-by-step guide for installing hard drives into the enclosure.

2.3 Connecting the Enclosure

Connect the enclosure to your computer using the provided USB data cable. Ensure the power cable is securely connected to the enclosure and a power outlet. The enclosure is compatible with various operating systems including Windows, Mac OS, and Linux, and can be used with laptops, iMacs, PCs, Mac Minis, and tablets.

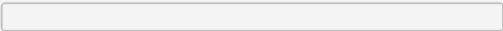


Image: Diagram illustrating the universal compatibility of the ORICO enclosure with various devices and operating systems.

3. Operating Instructions

3.1 Data Transfer and Capacity

The ORICO 9958C3 supports a 10Gbps USB 3.2 Gen 2 interface, facilitating high-speed data transfer. Each bay supports up to 22TB 3.5-inch SATA hard disks, allowing for a total capacity of 110TB. For even greater storage, up to three units can be daisy-chained together, expanding the total capacity to 330TB. This feature is particularly beneficial for large-scale data storage and video editing workflows.

USB 3.1 Gen 2 Interface: Up to 10 Gbps

Actual Transfer Speed: Up to 6 Gbps
(Limited by SATA III protocol)



Image: Visual representation of the 10Gbps transmission speed.

Large Storage Space

Supports a single HDD up to 22TB
Capacity up to 110TB

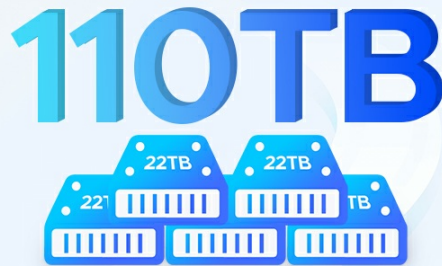


Image: Illustration of the massive storage capacity, supporting up to 22TB per drive and 110TB total.



Daisy-chain up to 3 devices (9958C3) for 330TB capacity

Image: Multiple ORICO enclosures daisy-chained to achieve 330TB capacity.

3.2 Smart Storage and Single Disk Replacement

The enclosure supports independent disk access and replacement. This means you can eject and replace a single disk without interrupting the workflow of other disk slots, facilitating flexible storage management and quick

upgrades.

Built-in Power Supply

No need for external power adapters, making the workspace cleaner



Image: Depiction of smart storage allowing independent drive access and replacement.

3.3 Smart Sleep Mode

The ORICO 9958C3 features a Smart Sleep Mode. It automatically enters hibernation after 10 minutes of data-free interaction. This function helps to reduce hard drive wear and power consumption, extending the lifespan of your drives and conserving energy.

Installation Steps

1



Press the door button from the left to open the tray

2



3.5 inch HDD



2.5 inch SSD/HDD

Pull out the hard drive bracket and tighten the screws into the four fixing holes that align with the screw holes on the head of the 2.5/3.5-inch hard drive

3



Install the bracket into the hard disk cabinet, close the door, and complete the installation

Image: Illustration of the Smart Sleep Mode feature.

4. Maintenance

4.1 Heat Dissipation

The enclosure is constructed with an aluminum alloy metal shell and features an 80mm cooling fan. This design, combined with front and rear heat dissipation airflow, effectively discharges heat even under high load conditions, ensuring long-term stable and efficient operation of the equipment.



Smart Storage

Independent drive access and replacement without ejecting all drives

Image: Rear view of the enclosure highlighting the 80mm silent fan and airflow for heat dissipation.

4.2 Power Supply

A built-in 150W power supply ensures smooth data transfer, especially during multi-disk reading. This eliminates the need for extra large power adapters, contributing to a cleaner and more organized workspace.



Smart Sleep Mode

Automatically enters hibernation after 10 minutes of data-free interaction to reduce hard drive wear and power consumption

Image: The enclosure connected to a monitor, showcasing the built-in power supply.

5. Troubleshooting

If you encounter issues with your ORICO 9958C3 enclosure, consider the following common troubleshooting steps:

- **Drives Not Detected:** Ensure all hard drives are properly seated in their trays and the trays are fully inserted into the bays. Verify that the data cable is securely connected to both the enclosure and your computer, and the power cable is connected to a live outlet. Try a different USB port or cable.
- **Intermittent Disconnections:** This can sometimes be related to power management settings on your computer, especially in Linux environments. Ensure USB power saving features are disabled. For Linux, adding 'usbcore.autosuspend=-1' to the kernel command line might resolve the issue.
- **Slow Transfer Speeds:** Confirm you are using a USB 3.2 Gen 2 compatible port on your computer. While the enclosure supports 10Gbps, actual transfer speeds may be limited by the SATA III protocol (up to 6Gbps) and the speed of your hard drives. Test with different cables if necessary.
- **Enclosure Overheating:** Ensure the enclosure is placed in a well-ventilated area and the fan is not obstructed. Excessive heat can lead to performance degradation or drive issues.

- **Drive Tray Mechanism:** If a drive tray is difficult to open or close, ensure no foreign objects are obstructing the mechanism. Do not force the tray.

If problems persist after attempting these steps, please refer to the support section for further assistance.

6. Specifications

Feature	Specification
Brand	ORICO
Model	9958C3
Memory Storage Capacity	110 TB (Max per unit)
Max Number of Supported Devices	5 (3.5-inch HDDs)
Data Transfer Rate	10 Gigabits Per Second (USB 3.2 Gen 2)
Hard Disk Form Factor	3.5 Inches
Product Dimensions	10.55 x 5.35 x 7.76 inches
Item Weight	9.98 pounds
Material	Aluminum
Color	Silver

7. Warranty and Support

For warranty information and technical support, please refer to the official ORICO website or contact their customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims.
Official ORICO Store: [ORICO Direct US Store](#)