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ORICO DD28C3-C

ORICO Hard Drive Docking Station Instruction Manual

Model: DD28C3-C

Brand: ORICO

1. INTRODUCTION

The ORICO DD28C3-C Dual Bay Hard Drive Docking Station is a versatile device designed for efficient data management, supporting both 2.5-inch and 3.5-inch SATA HDDs/SSDs up to a total capacity of 44TB. It features high-speed USB 3.2 Gen 1 connectivity with UASP support for rapid data transfer, and a convenient offline clone function that allows disk duplication without a computer. Its tool-free design, plug-and-play functionality, and robust safety features make it an ideal solution for data backup, storage expansion, and system migration.



Image: The ORICO DD28C3-C Dual Bay Hard Drive Docking Station, showcasing its compact design and connectivity options.

2. PACKAGE CONTENTS

- 1 x Dual hard drive docking duplicator
- 1x 1m 2-In-1 Type C to USB-A cable
- 1 x 12V/3A Power adapter
- 1 x User manual

Key Features

- **Offline Clone Function:** Backup hard drive A (source disk) to hard drive B (target disk) without connecting devices directly.
- **44TB Capacity:** Supports all standard 2.5" and 3.5" SATA HDD/SSD hard drives up to 22TB for 3.5" and 8TB for 2.5".
- **High-Speed Read/Write:** Up to 5Gbps speed through USB Type-C port with UASP transmission protocol.

- **Universal Compatibility:** Compatible with Windows, Mac, Linux, Android systems, PCs, laptops, gaming consoles, smart TVs, routers, and smartphones (OTG function needed).
- **User-Friendly Design:** Dust shield, rubber pads for stability, Activity LED indicator, 10 min Auto Sleep mode.
- **Safety & Stability:** Equipped with a high-performance master control chip, protecting your valuable data from over-current, short-circuit, over-heat, over-voltage, and leakage.

Product Overview



Image: Front and rear view of the docking station with labels for LED indicators, USB interface, power interface, ON/OFF button, and CLONE/PC switch.

- **LED Lights:** Blue light indicates power on or data cable connection. Blue/Red light flash indicates data read/write activity.
- **USB Interface:** For connecting to a host device (PC, laptop, etc.).
- **Power Interface:** For connecting the 12V/3A power adapter.
- **ON/OFF Button:** Controls the power to the docking station.
- **CLONE/PC Switch:** Toggles between PC transfer mode and offline clone mode.
- **START Button:** Initiates the offline clone process.



Image: The 12V power adapter connection and the dust-proof design of the hard drive slots.

3. SETUP

1. Connect the 12V/3A power adapter to the docking station's power interface and plug it into a power outlet.
2. Connect the 2-in-1 USB-C to USB-A/C data cable to the USB-C transmission interface on the docking station.
3. If connecting to a computer, ensure the CLONE/PC switch is set to "PC" mode.
4. Insert your 2.5-inch or 3.5-inch SATA HDD/SSD into the appropriate bay(s) of the docking station. Ensure they are firmly seated.
5. Turn on the docking station using the ON/OFF button. The blue LED indicator should light up, confirming power.

Universal Compatibility

Devices



PC



Laptop



TV



Router



iPad
(Thunderbolt)



PS5

Operating Systems



Windows



Mac OS



Linux



iPad OS



Image: The docking station's universal compatibility with PCs, laptops, TVs, routers, iPads, and PS5, across Windows, Mac OS, Linux, and iPad OS.

4. OPERATING MODES

PC Transfer Mode

In PC Transfer mode, the docking station acts as an external drive enclosure, allowing you to read, write, and expand storage directly through your computer.

1. Ensure the CLONE/PC switch on the back of the docking station is set to "PC" mode.
2. Connect the USB data cable from the docking station to your computer's USB port.
3. Insert your HDD/SSD into the docking station. The drive(s) should be recognized by your operating system.
4. You can now access the drive(s) like any other external storage device for data transfer, backup, or expansion.

Transfer 1GB Files in Seconds

Speed Reference

Test Platform: ORICO-H110 480GB SSD Hard Drive



Image: Demonstrates the high-speed data transfer capabilities of the docking station in PC mode.

Your browser does not support the video tag.

Video: An overview of the ORICO DD-series Hard Drive Docking Station Cloner, demonstrating its features and ease of use.

Offline Clone Function

The offline clone function allows you to duplicate a source hard drive to a target hard drive without needing a computer connection.

1. Disconnect the docking station from your PC.

2. Insert the source disk (Disk A) into the "Source" bay (usually the top bay).
3. Insert the target disk (Disk B) into the "Target" bay (usually the bottom bay).
4. **Important:** The capacity of the target disk (Disk B) must be larger than or equal to the source disk (Disk A). The offline clone will erase all data from the target disk, so ensure you have backed up any important data from the target disk before proceeding.
5. Ensure the CLONE/PC switch on the back of the docking station is set to "CLONE" mode.
6. Press and hold the "START" button for 3-5 seconds until all indicator lights are on and you hear a long beep. This signifies the cloning process has begun.
7. The progress indicator LEDs (25%, 50%, 75%, 100%) will light up sequentially to show the cloning progress.
8. Once the cloning is complete, three long beep sounds will be heard, and all indicator lights will remain solid.
9. Turn off the power and safely remove the disks.

Manually Switch to Clone Mode



Capacity Requirement

$\text{Target} \geq \text{Source}$

\geq

Source



Source 25% 50% 75% 100% Target

Image: Visual guide for the offline clone function, including capacity requirements for source and target disks.

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Video: An unboxing video for the ORICO DD-Series Dual Bay Hard Drive Dock, showing its components.

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Video: A demonstration of the ORICO Dual Bay Offline-clone Hard Drive Dock in action.

5. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the docking station. Avoid using liquid cleaners or abrasive materials.
- **Dust Protection:** The integrated dust shield helps protect the SATA interface. Keep the slots covered when not in use to prevent dust accumulation.
- **Stable Environment:** Place the docking station on a stable, flat surface. The rubber pads help reduce friction and vibration, ensuring stable operation of the hard drives.
- **Auto Sleep Mode:** The device features a 10-minute auto-sleep mode for energy saving when not in use. This also helps prolong the lifespan of the hard drives.
- **Storage:** When not in use for extended periods, disconnect the power adapter and store the docking station in a cool, dry place.

44 TB Large Capacity

Support 2.5"/3.5" HDD/SSD hard drive



Image: The docking station supporting large capacity hard drives, highlighting its robust design.



Image: The Auto Sleep Mode feature, which activates after 10 minutes of inactivity to save energy.

6. TROUBLESHOOTING

• Device Not Recognized:

- Ensure the USB data cable is properly connected to both the docking station and your computer. Try a different USB port.
- Check if the power adapter is securely connected and the power LED indicator is on.
- Verify the CLONE/PC switch is set to "PC" mode.
- Ensure your hard drive(s) are properly formatted. If not, they may need to be initialized and formatted through Disk Management (Windows) or Disk Utility (Mac).
- Try reconnecting with another USB 3.0 or USB 2.0 cable if available.
- Try a different 12V power adapter if possible.

• Offline Clone Fails or Data Loss:

- Ensure the target disk's capacity is larger than or equal to the source disk's capacity.
- Confirm the CLONE/PC switch is set to "CLONE" mode before starting the clone.
- Do not turn off the power or remove disks during the cloning process.
- Ensure both disks are correctly placed in their respective bays (Source and Target).
- The offline clone will erase all data on the target disk. Always back up critical data from the target disk before initiating a clone.

• Slow Transfer Speeds:

- Ensure you are using a USB 3.0 or USB 3.2 Gen 1 port on your computer for optimal speeds.
- Verify that UASP (USB Attached SCSI Protocol) is enabled on your system (usually automatic with compatible hardware/OS).
- Check the health and speed of your hard drive(s). Older or failing drives may limit transfer speeds.

Safe and Stable



Overcurrent
Protection



Short Circuit
Protection



Overheat
Protection



Static
Protection



Leakage
Protection

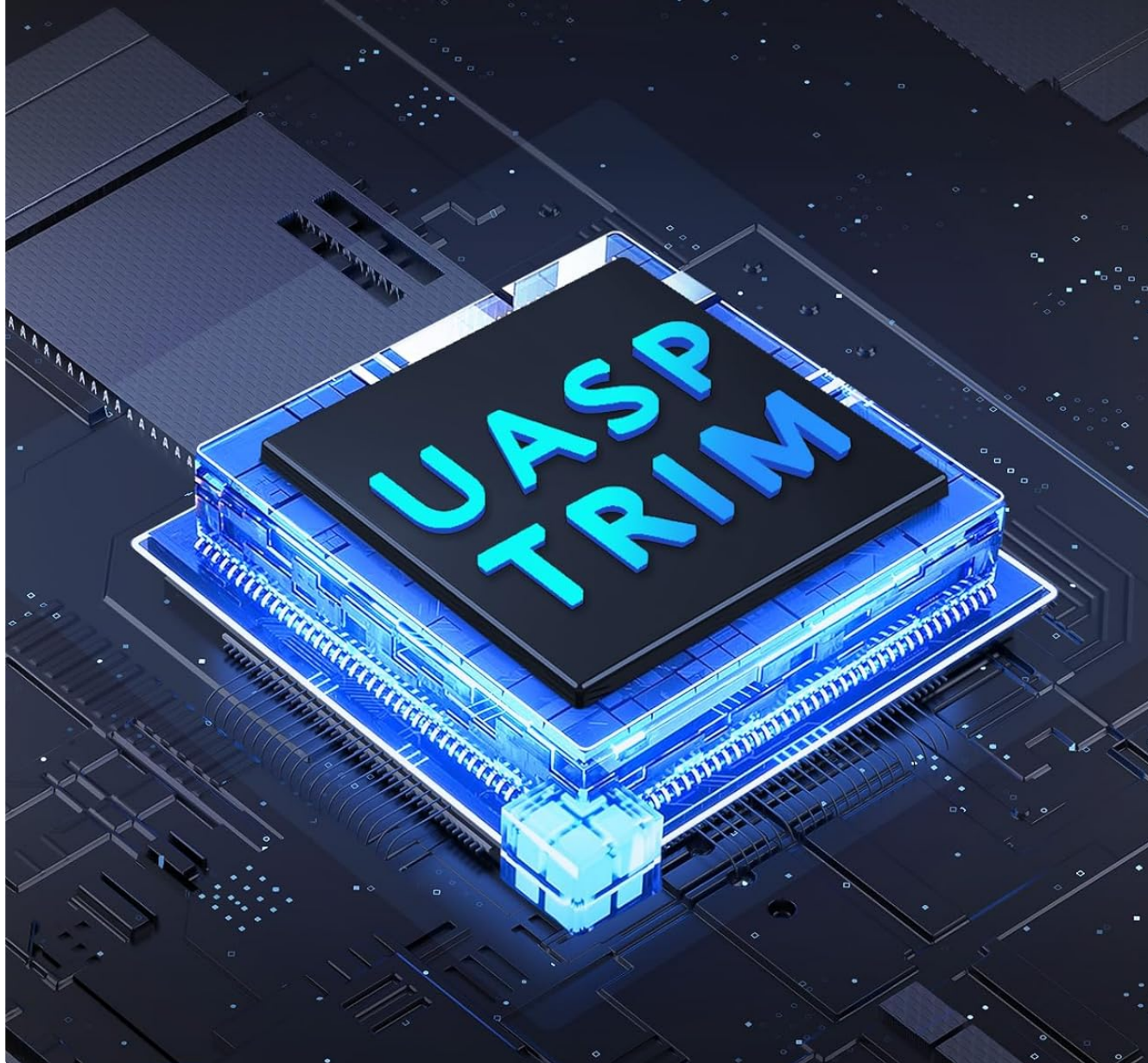


Image: The internal chip and safety mechanisms of the docking station, ensuring data protection.

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Video: A short video demonstrating the ORICO DD-Series Dual Bay Hard Drive Dock.

7. SPECIFICATIONS

Feature	Detail
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Model	DD28C3-C (Dual Bay+Clone)
Compatible Devices	Laptop, PC, OTG Smartphones, Game consoles, Smart-TV
Max Supported Capacity	Up to 44TB (2x 22TB for 3.5" HDD, 2x 8TB for 2.5" HDD/SSD)
Hardware Interface	SATA 6.0 Gb/s, USB Type C
Transfer Speed	Up to 5Gbps (USB 3.2 Gen 1 with UASP)
Power Supply	12V/3A
Product Dimensions	6.38 x 4.65 x 2.83 inches
Item Weight	1.23 pounds
Manufacturer	SHENZHEN ORICO TECHNOLOGIES CO.,LTD

8. WARRANTY AND SUPPORT

ORICO products typically come with a standard manufacturer's warranty. For specific warranty terms, technical support, or service inquiries, please refer to the warranty card included in your package or visit the official ORICO website. You can also contact the ORICO Service Team as mentioned in the product features.

For further assistance, please reach out to the seller or ORICO customer support.