ORICO CS200Pro

ORICO MetaHome CS200Pro 2-Bay NAS Storage Instruction Manual

Model: CS200Pro

1. Overview

The ORICO MetaHome CS200Pro is a 2-bay Network Attached Storage (NAS) device designed for centralized data storage, media management, and remote access. It features CyberData OS, support for 2x HDDs and 2x M.2 NVMe SSDs, dual 2.5GbE ports, and an HDMI output for direct media streaming.

Figure 1: ORICO MetaHome CS200Pro NAS device.

2. Setup

2.1. Package Contents

Verify that all items are present in the package:

- ORICO CS200Pro NAS unit
- Power Adapter (12V)
- Cables
- Screwdrivers
- User Manuals

Figure 2: Contents of the ORICO MetaHome CS200Pro package.

2.2. Initial Connection

Connect the power adapter to the DC 12V port on the back of the NAS. Connect the NAS to your network using an Ethernet cable plugged into one of the 2.5GbE ports. If desired, connect the NAS to a display via the HDMI port.

Figure 3: Front and back panel overview of the ORICO MetaHome CS200Pro. The front includes hard drive indicators, a network indicator, and

a switch button. The back features HDMI, DC 12V input, dual 2.5GbE ports, USB-A 3.0 ports, and a USB-C port.

3. Hardware Installation

3.1. HDD Installation

The ORICO MetaHome CS200Pro supports up to 2x HDDs for mass storage, with a maximum capacity of 64TB (32TB per drive). To install HDDs:

1. Gently lift the top cover of the NAS unit. The cover is magnetic.
2. Locate the two drive caddies inside.
3. Push in on both sides of a caddy to release and slide it out.
4. Install your 3.5-inch or 2.5-inch HDD into the caddy and secure it with screws if necessary.
5. Slide the caddy back into the NAS until it locks into place.

Figure 4: Illustration of HDD installation into the drive bays. The NAS supports up to 2 HDDs.

3.2. M.2 NVMe SSD Installation

The NAS also includes 2x M.2 NVMe SSD slots, ideal for caching or essential files. These can be configured in RAID 0 or RAID 1. To install M.2 NVMe SSDs:

1. Locate the M.2 NVMe SSD slots, typically found on the underside or within the main compartment.
2. Insert the M.2 NVMe SSD into the slot at an angle.
3. Gently push down the SSD and secure it with the provided screw or retention clip.

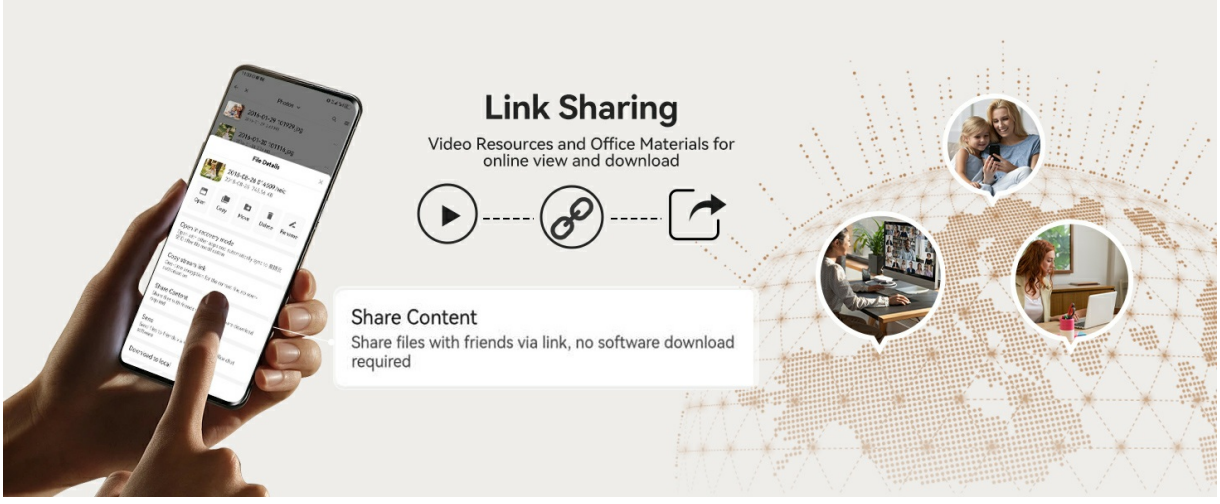

Figure 5: Illustration of M.2 NVMe SSD installation. The NAS supports 2 M.2 NVMe SSDs.

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Video 1: This video demonstrates the process of installing SSDs into a NAS device. While the specific model may differ, the general steps for M.2 NVMe SSD installation are applicable.

4. Software Setup

4.1. CyberData OS App Installation

The ORICO MetaHome CS200Pro utilizes CyberData OS. To manage your NAS, download the CyberData OS app:

- For Android devices, download from the Google Play Store.
- For Apple iOS devices, download from the Apple App Store.

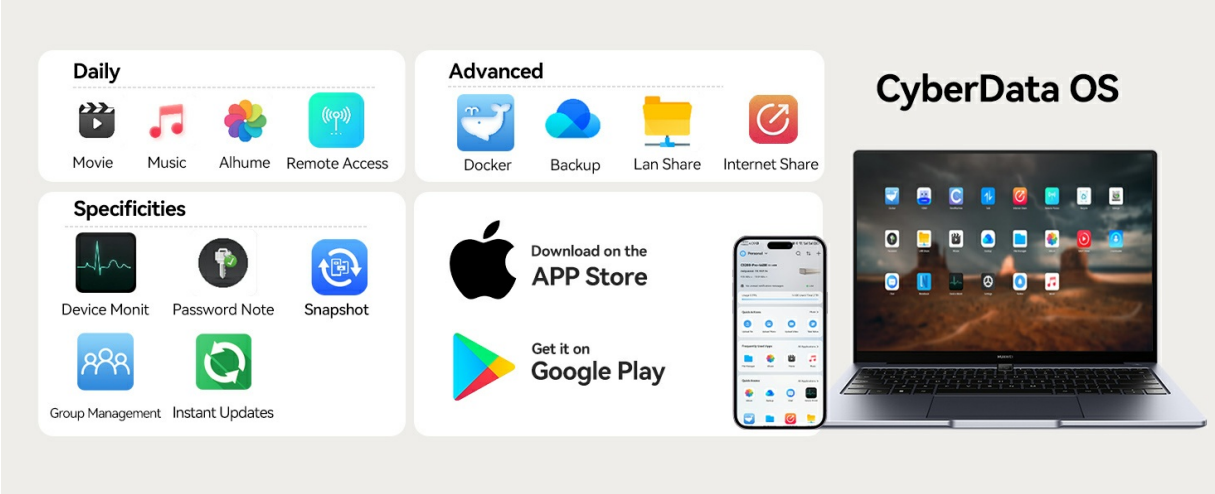

Figure 6: CyberData OS app available on Google Play Store and Apple App Store.

4.2. Initial Login and Configuration

After installing the app and connecting your NAS to the network:

1. Open the CyberData OS app on your mobile device.
2. The app should detect your NAS on the local network.
3. Follow the on-screen prompts to name your device and create an administrator account.
4. Configure RAID settings for your installed HDDs/SSDs (RAID 0 or RAID 1 are supported for hybrid storage).

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Video 2: This video provides a brief overview of the ORICO NAS CS200Pro, showcasing its design and some interface elements.

5. Operating Instructions

5.1. Remote Access

The CyberData OS app allows remote access to your NAS from multiple devices, enabling you to manage and access your files anytime, anywhere with an internet connection.

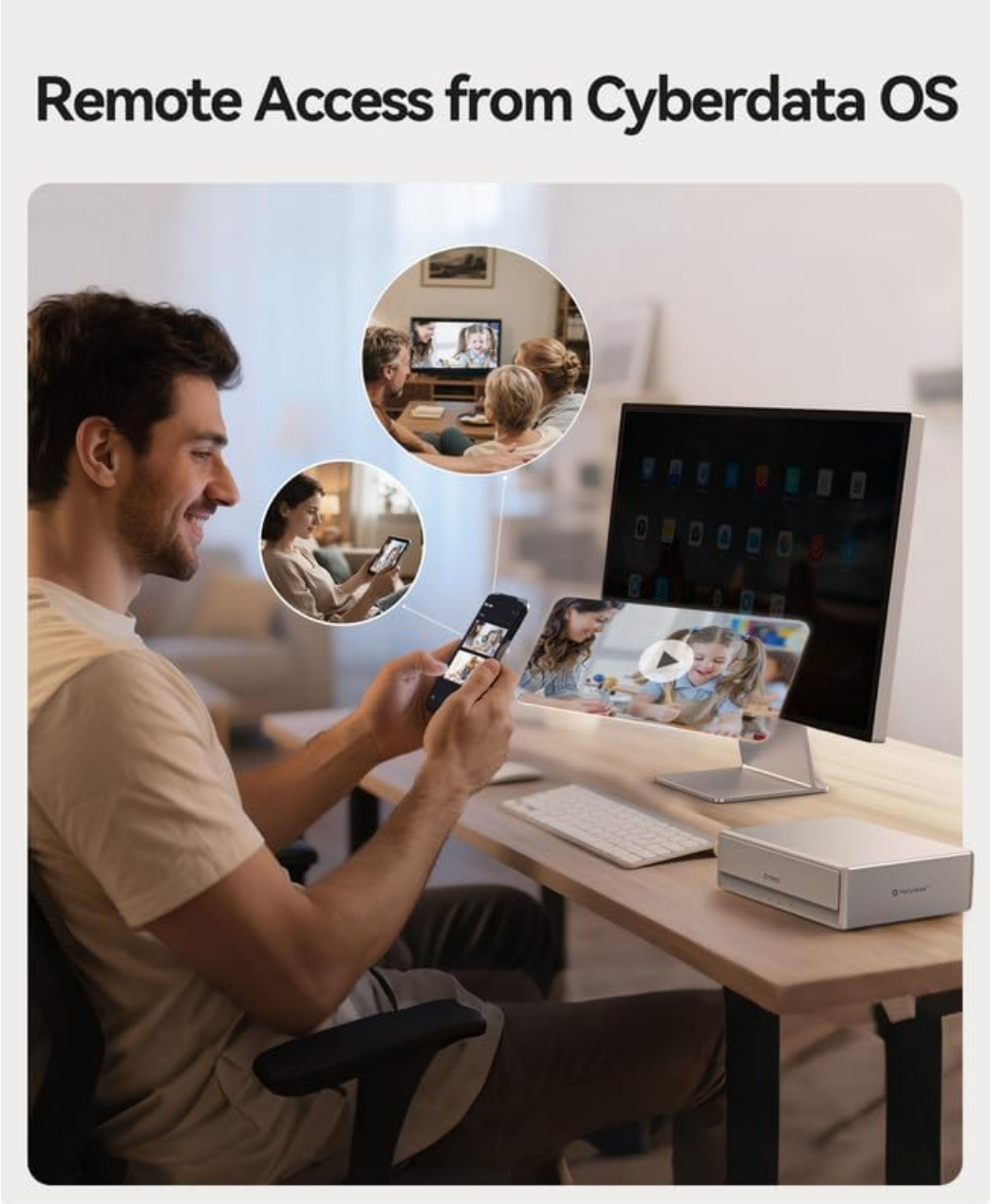

Figure 7: Remote access to the NAS via the CyberData OS app on mobile and desktop devices.

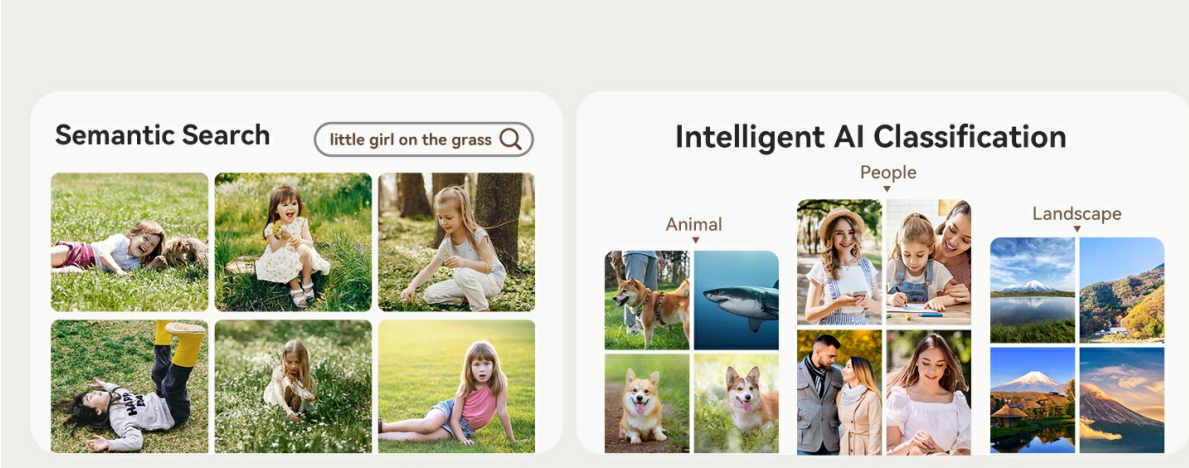

Figure 8: The CyberData app facilitates reading and storing images, videos, and documents from any location with internet access.

5.2. 4K HDMI & Auto Movie Library

Directly stream 4K@60Hz movies to your TV using the HDMI output. The built-in media scraper automatically fetches movie posters and ratings, organizing your scattered files into a catalog similar to streaming services.

Figure 9: The NAS supports 4K HDMI output and features an automatic movie library with media scraping.

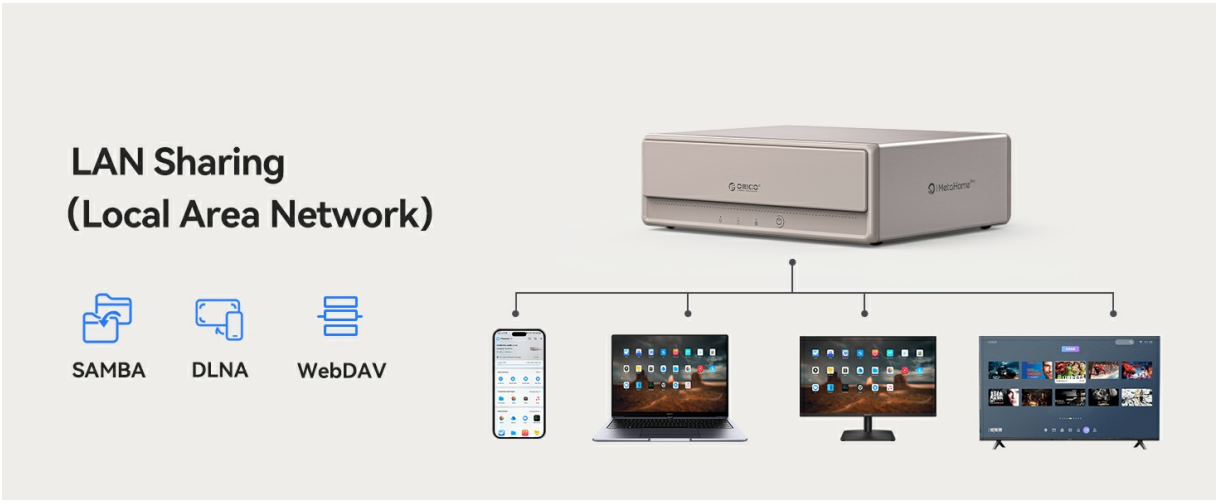

Figure 10: The 4K Video Library can be accessed via HDMI, LAN Share, and DLNA Connect.

5.3. AI Albums (Picture Finds Pictures)

AI albums allow you to find corresponding pictures by keyword information. Albums are intelligently categorized by people, scenes, and locations.

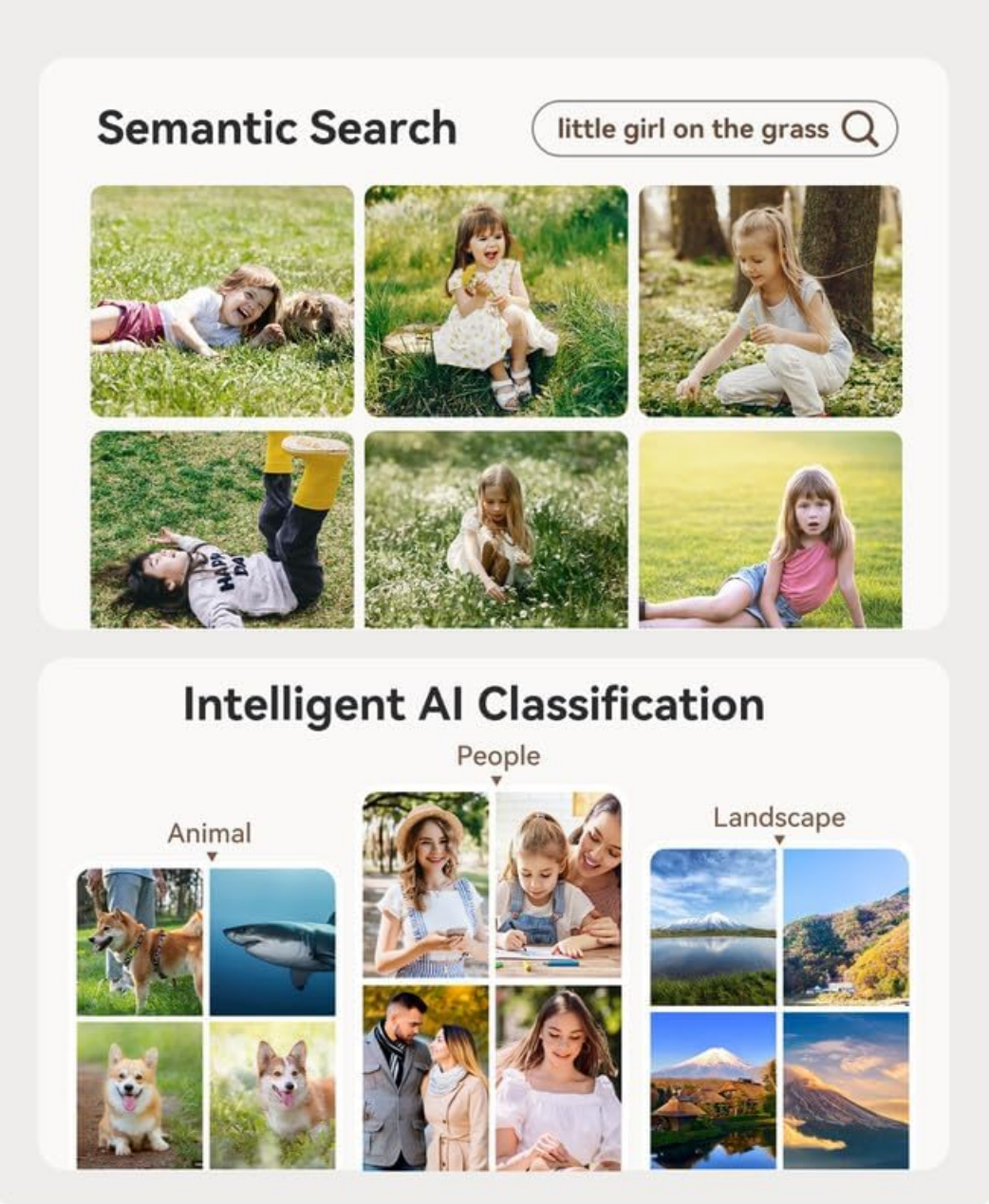

Figure 11: AI Albums feature semantic search and intelligent classification of photos by people, animals, and landscapes.

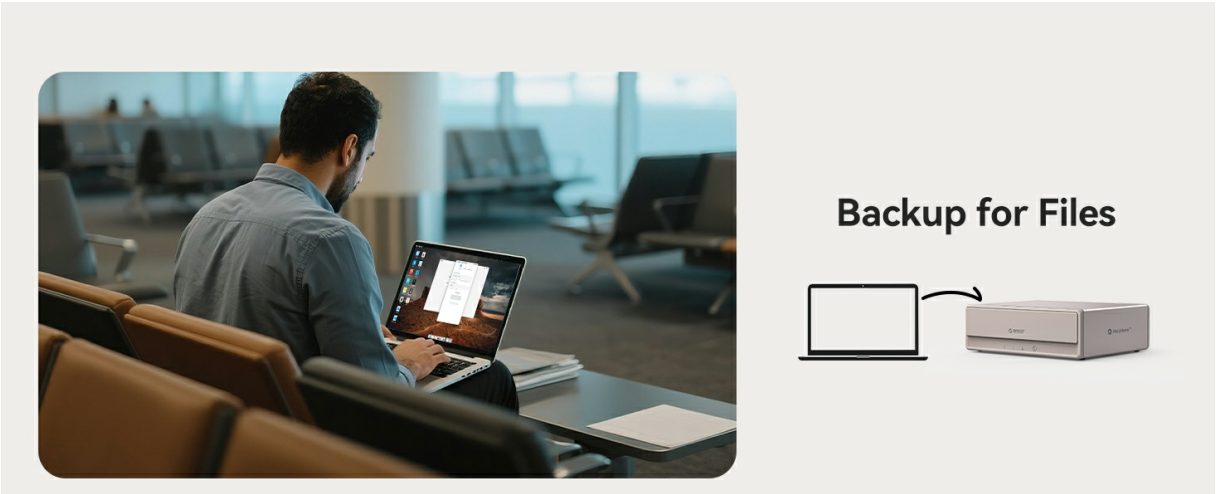

Figure 12: Semantic search allows finding images by keywords, while AI classification organizes photos into categories like 'People', 'Animal', and 'Landscape'.

5.4. Device Monitoring

Automatically or manually adjust fan speeds and monitor memory usage and real-time device temperatures to ensure optimal performance and longevity.

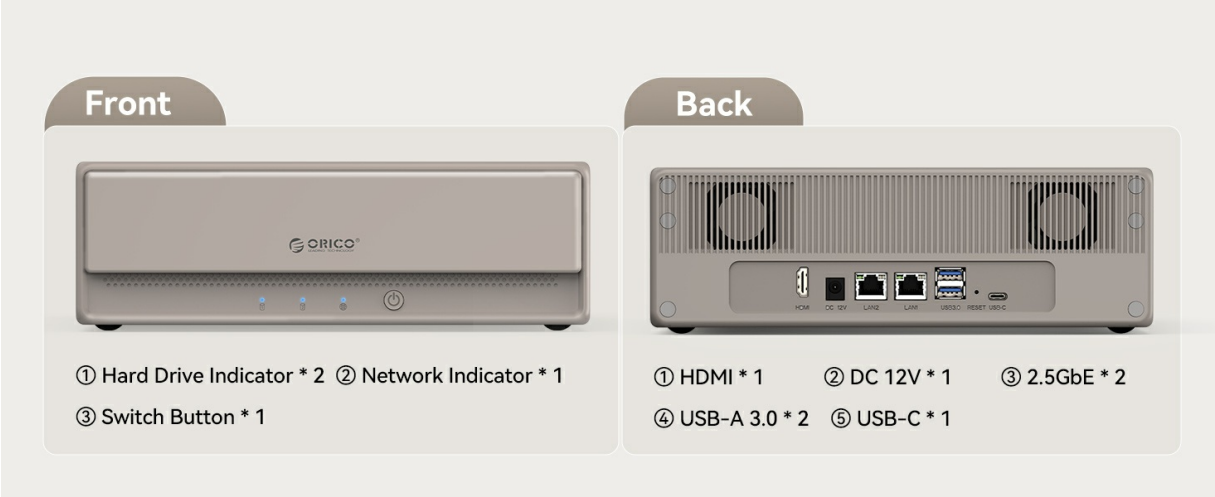

Figure 13: The Device Monitoring interface displays CPU/memory usage and allows fan speed control based on hard disk temperature.

5.5. Hybrid Storage & RAID Flexibility

Utilize hybrid storage with 2x HDDs for mass storage and 2x SSDs for cache or essential files. Configure RAID 0 or RAID 1 for data redundancy or performance. Storage Snapshots allow you to undo accidental deletions.

Figure 14: The NAS offers up to 64TB storage with 2x SATA HDD and 2x M.2 NVMe SSD slots.

5.6. LAN Sharing

Share files across your local area network (LAN) using protocols like SAMBA, DLNA, and WebDAV. This enables seamless access from various client devices including desktop, mobile, and TV.

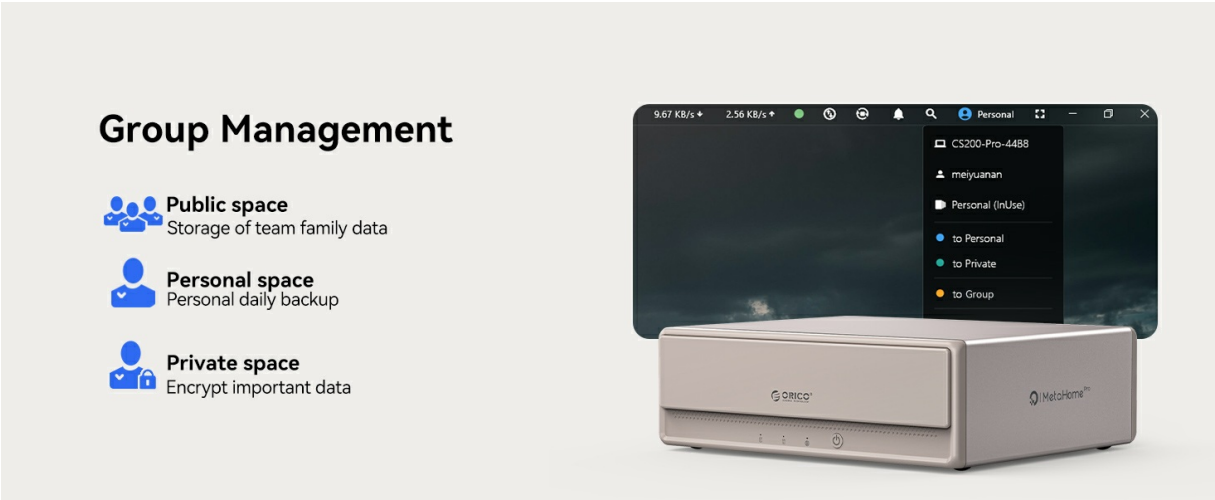

Figure 15: LAN Sharing supports SAMBA, DLNA, and WebDAV protocols for access across multiple devices.

5.7. File Backup

Regularly back up your files to the NAS to ensure data safety and prevent loss.

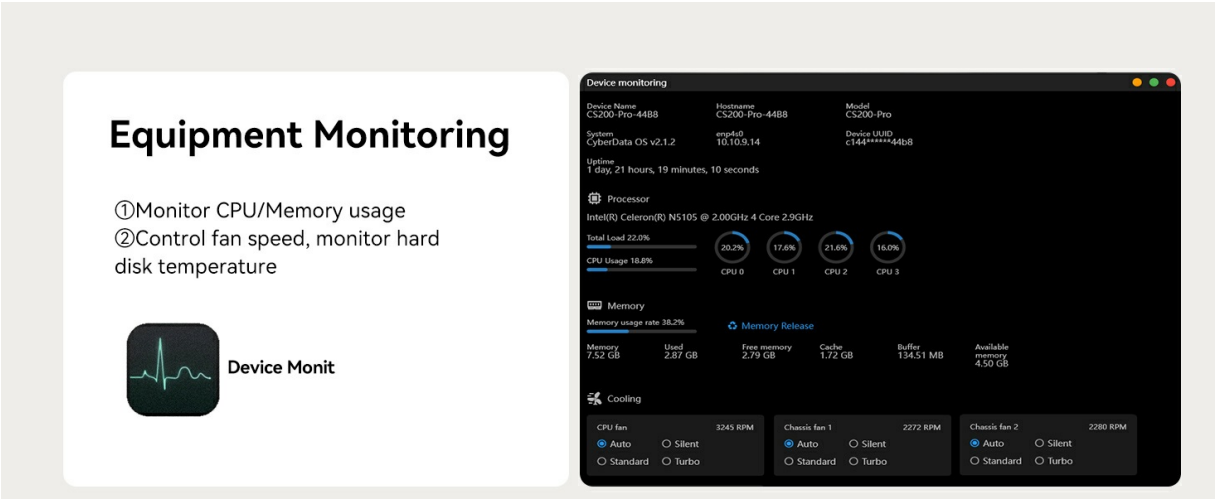

Figure 16: Illustration of backing up files from a laptop to the NAS.

5.8. Docker Extensions

The CyberData OS supports Docker, allowing you to extend the functionality of your NAS with various applications and services.

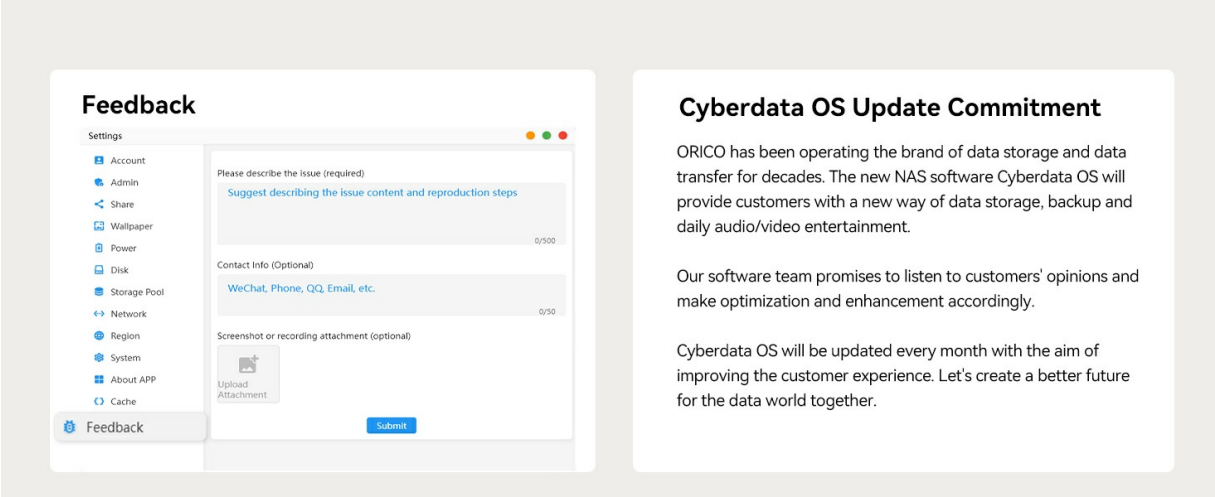

Figure 17: CyberData OS supports various Docker extensions for enhanced functionality.

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Video 3: This video demonstrates the Docker functionality within the ORICO CS200Pro NAS, showing how to manage and utilize containerized applications.

5.9. Group Management

Organize your data into Public, Personal, and Private spaces for different access levels and security needs.

- **Public space:** For shared team or family data.
- **Personal space:** For individual daily backups.
- **Private space:** For encrypting important data.

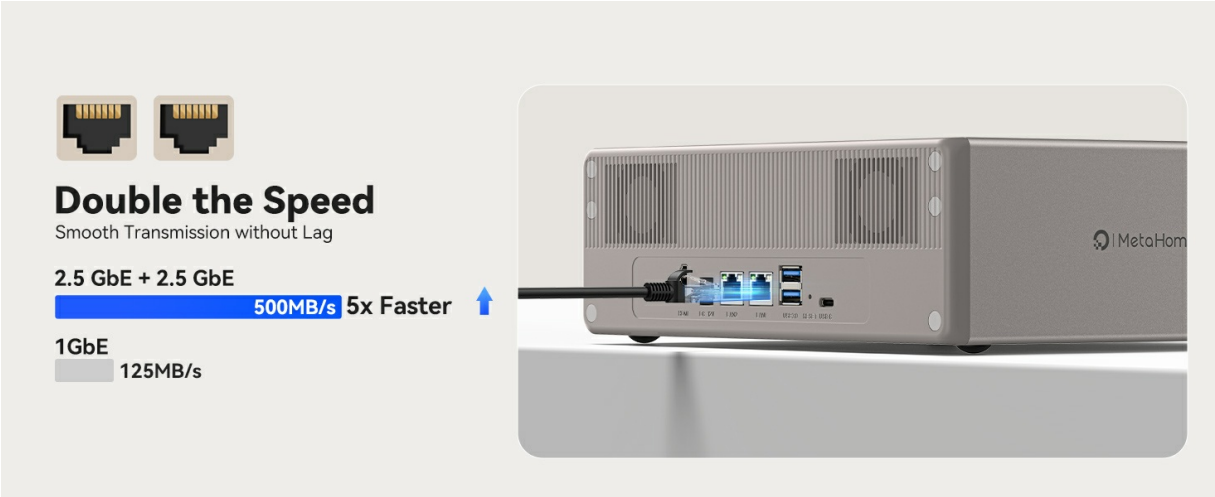


Figure 18: Group Management allows organizing data into Public, Personal, and Private spaces.

5.10. Snapshot Management

Create and manage storage snapshots to recover deleted files or revert to previous versions, similar to an 'undo' function for your NAS data.

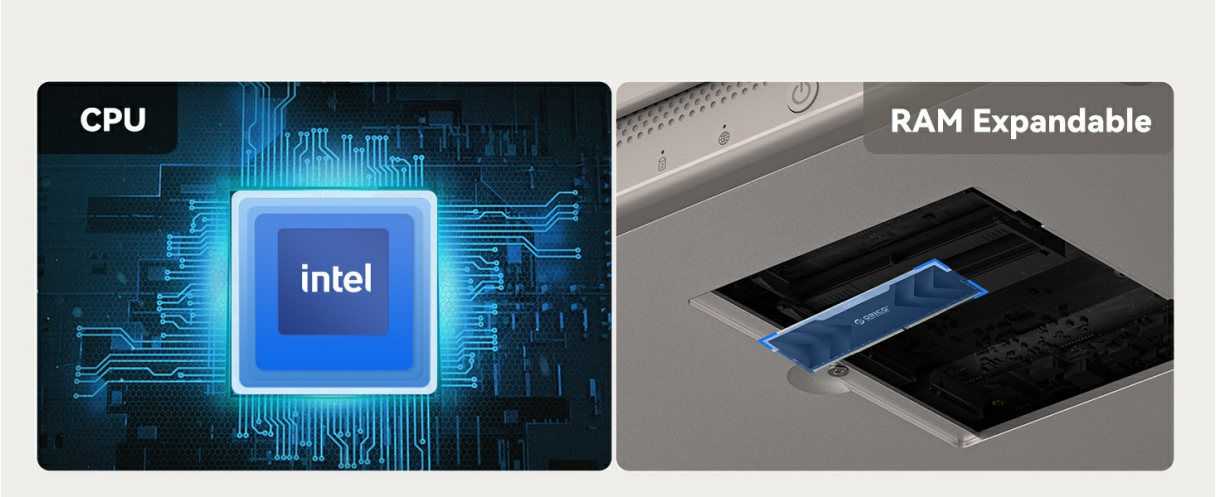


Figure 19: Snapshot Management allows creating and managing snapshots to recover deleted files.

5.11. Password Vault

Securely store and manage your passwords within the NAS's password vault feature.

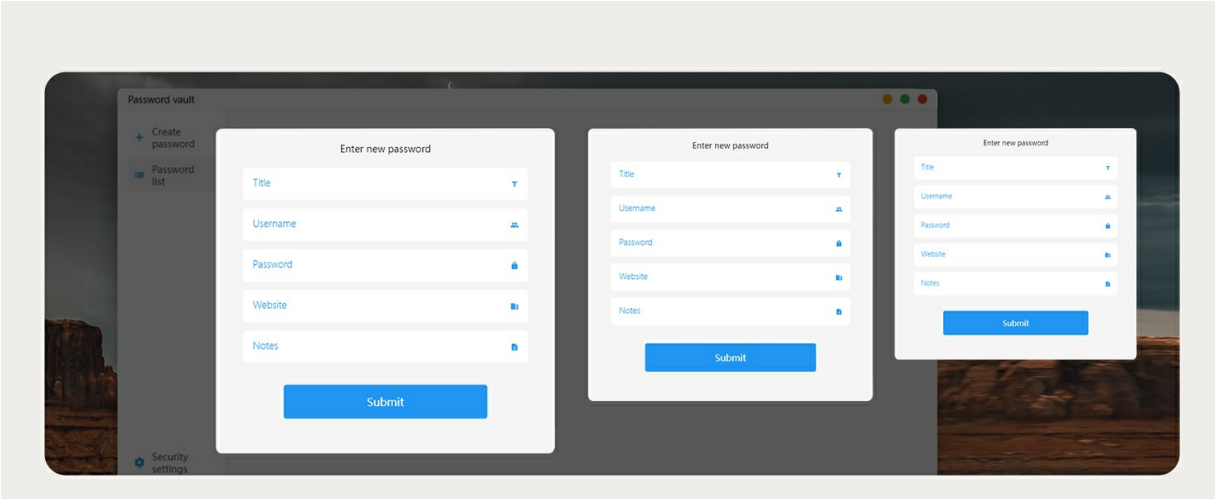


Figure 20: The Password Vault interface for securely storing login credentials.

6. Maintenance

6.1. CyberData OS Updates

The CyberData OS is regularly updated with new features and optimizations. Check for updates monthly to ensure your system is running the latest software.

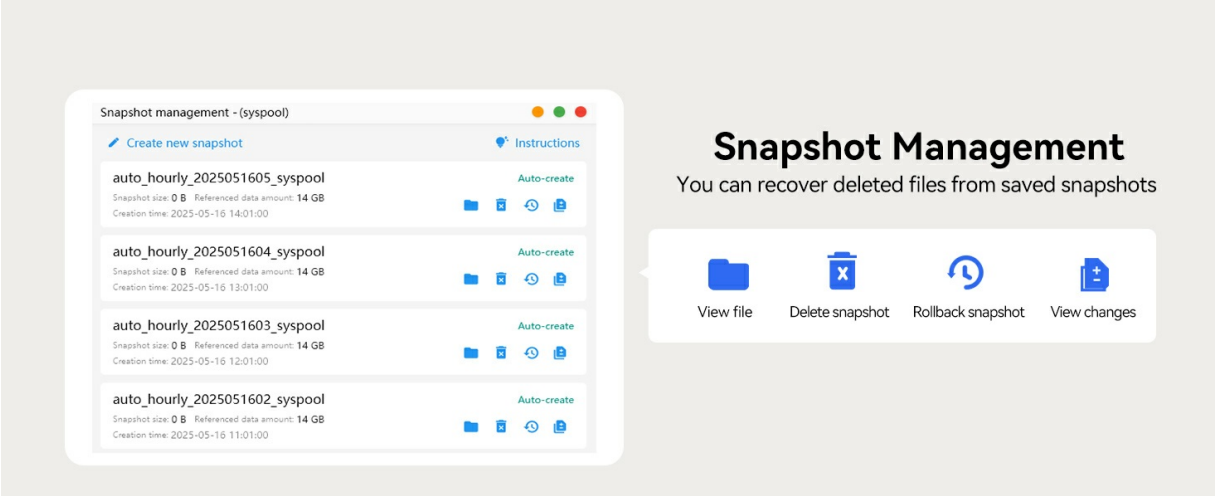


Figure 21: The CyberData OS provides a feedback mechanism and commits to monthly updates for optimization and new features.

6.2. Drive Health Checks

Regularly monitor the health of your HDDs and SSDs through the device monitoring interface. Pay attention to temperature readings and any alerts to prevent potential data loss.

7. Troubleshooting

For common issues, refer to the following:

- **Connectivity Issues:** Ensure all network cables are securely connected and the NAS has a valid IP address.
- **Drive Not Detected:** Verify that HDDs/SSDs are correctly installed in their respective slots and secured.
- **Performance Slowdown:** Check device monitoring for high CPU/memory usage or high temperatures. Ensure your network speed is adequate (dual 2.5GbE ports can be combined for 5Gbps).
- **Data Loss:** Utilize Storage Snapshots to recover accidentally deleted files.

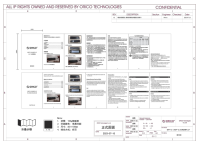
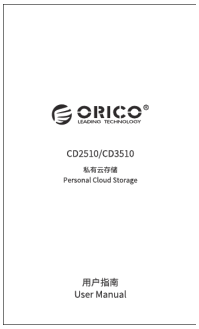
8. Specifications

Feature	Detail
Brand	ORICO
Model	CS200Pro
Storage Bays	2x HDD slots + 2x M.2 NVMe SSD slots
Max Capacity	Up to 64TB (HDD)
Network Interface	2x 2.5GbE (500MB/s for LAN Transmission)
Video Output	1x HDMI (4K@60Hz)
USB Ports	2x USB-A 3.0, 1x USB-C
Operating System	CyberData OS
Dimensions	255 x 218 x 81 mm
Item Weight	2.58 Kilograms (5.68 pounds)
Compatible Devices	Desktop, Smartphone, Tablet

9. Warranty and Support

For warranty information and technical support, please refer to the official ORICO website or contact ORICO customer service directly. Protection plans may be available for purchase separately.

Related Documents - CS200Pro

	[ORICO RAID Enclosure User Guide: Software and Manual Operation] A guide to operating the ORICO 4 Bay RAID Hard Drive Enclosure, covering software management via USB 3.2 Gen 1 and manual operation through the device's array switch. Includes information on RAID modes and system compatibility.
	[ORICO 3529RU3/3549RU3/3559RU3 RAID Hard Drive Enclosure User Manual] Comprehensive user manual for ORICO 3529RU3, 3549RU3, and 3559RU3 external RAID hard drive enclosures. Covers features, specifications, installation, RAID configurations (RAID 0, 1, 3, 5, 10, SPAN, Clone, PM/Normal), software management with ORICO HW RAID Manager, and troubleshooting.
	[ORICO SSD Docking Station User Manual: Installation, RAID, and Operation Guide] Comprehensive user manual for the ORICO SSD Docking Station, covering setup, M.2 and SATA drive installation, RAID configuration, formatting, and troubleshooting for models like M47P, M49P, and M435.
	[ORICO M.2 NVMe SSD Enclosure M2PV-C3 M2PF-C3 User Manual and Specifications] User manual and technical specifications for the ORICO M.2 NVMe SSD Enclosure, models M2PV-C3 and M2PF-C3, detailing features like USB 3.2 Gen 2 (10Gbps), tool-free installation, and broad SSD compatibility.
	[ORICO 6638US3-C / 6648US3-C Multi-Bay HDD Docking Station User Manual] Comprehensive user manual for the ORICO 6638US3-C and 6648US3-C multi-bay HDD docking stations. Covers product overview, features, specifications, quick start guide, offline cloning instructions, troubleshooting tips, Windows drive initialization and formatting, safe device removal procedures, important notices, and company declarations.
	[ORICO CD2510/CD3510 User Manual] User manual for the ORICO CD2510 and CD3510 networkable hard drive enclosures, covering product illustration, installation, device connection, startup/shutdown, light status, client download and installation, registration, login, and device access.