UGREEN DH2300

UGREEN NASync DH2300 2-Bay Desktop NAS and 2.5Gb Switch User Manual

Comprehensive instructions for setup, operation, and maintenance.

1. Introduction

This manual provides detailed instructions for the UGREEN NASync DH2300 2-Bay Desktop Network Attached Storage (NAS) device and the accompanying UGREEN 6-Port 2.5Gb Switch. Please read this manual thoroughly before using the product to ensure proper setup, operation, and maintenance. Retain this manual for future reference.



Image 1.1: UGREEN NASync DH2300 NAS and UGREEN 6-Port 2.5Gb Switch. The image displays the compact, dark gray UGREEN NASync DH2300 NAS unit standing upright next to the flat, rectangular UGREEN 6-Port 2.5Gb Switch, both featuring the UGREEN logo.

2. Safety Information

- Ensure the device is placed on a stable, flat surface to prevent accidental falls.
- Do not expose the device to water, moisture, or extreme temperatures.
- Use only the power adapter provided with the device.
- Do not open the device casing or attempt repairs yourself. Refer to qualified service personnel.
- Ensure adequate ventilation around the device to prevent overheating.

3. Package Contents

Verify that all items are present in the package:

- UGREEN NASync DH2300 2-Bay Desktop NAS
- UGREEN 6-Port 2.5Gb Switch (Model: UM106X)
- Power Adapter for NAS

- Power Adapter for Switch
- Ethernet Cables
- Quick Start Guide

Note: Storage drives (HDDs/SSDs) are not included and must be purchased separately.

4. Product Overview

4.1 UGREEN NASync DH2300 NAS

The DH2300 is a 2-bay NAS designed for centralized data storage, backup, and media management. It supports up to 60TB of storage capacity (with compatible drives).

Front Panel:

- Power Button
- LED Indicators (Power, LAN, Disk 1, Disk 2)

Rear Panel:

- LAN Port (Ethernet)
- USB-A Ports
- USB-C Port
- HDMI Port
- DC Power Input
- Reset Button

4.2 UGREEN 6-Port 2.5Gb Switch (UM106X)

The UM106X is a high-speed network switch designed to enhance network performance, featuring 2.5Gbps Ethernet ports and a 10Gbps SFP+ port.

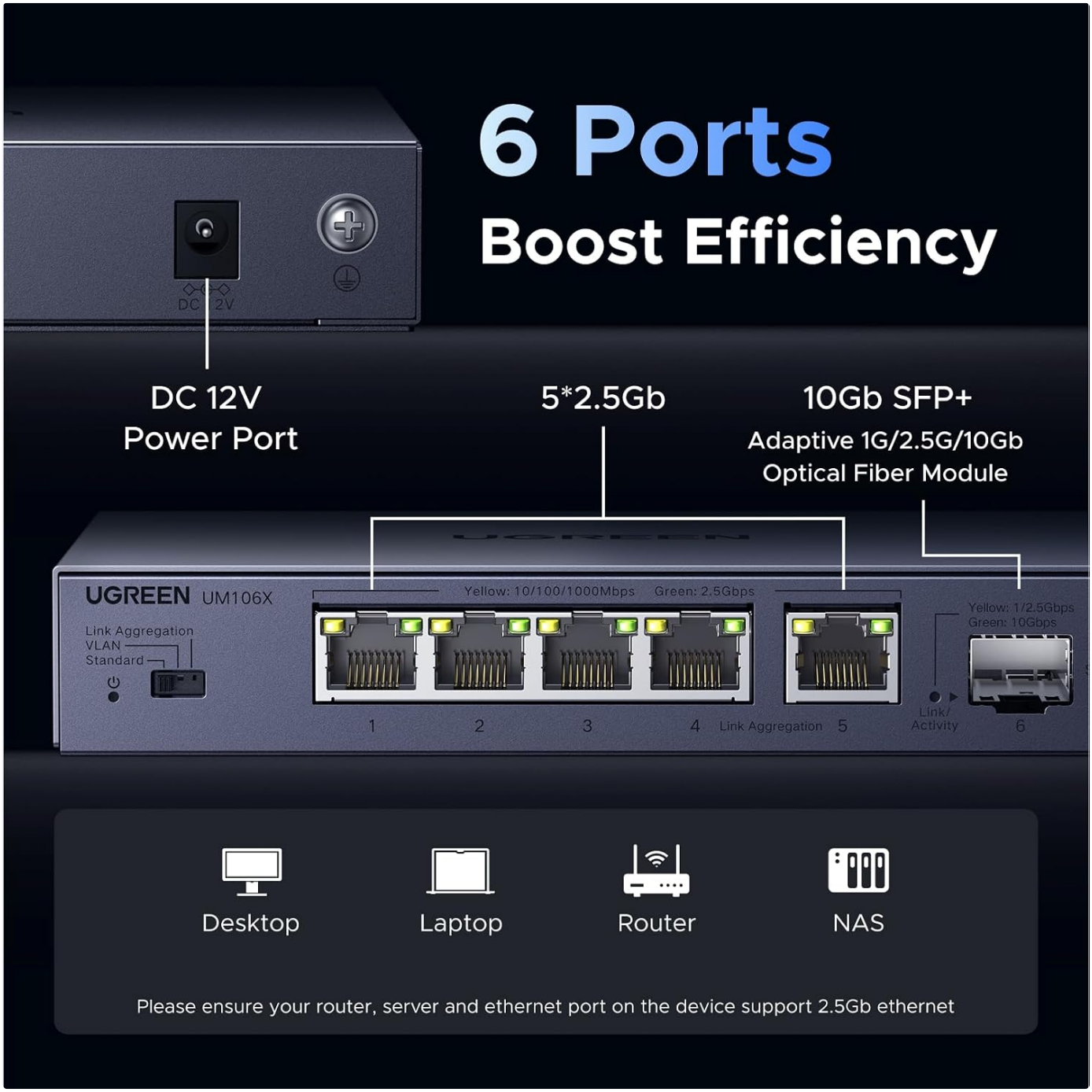


Image 4.1: UGREEN 6-Port 2.5Gb Switch with port labels. This image shows a close-up of the UGREEN UM106X switch, highlighting its 5x 2.5Gb Ethernet ports and 1x 10Gb SFP+ port, along with the DC 12V power input and mode switch.

Ports and Indicators:

- 5 x 2.5Gbps RJ45 Ethernet Ports (Ports 1-5)
- 1 x 10Gbps SFP+ Port (Port 6)
- DC 12V Power Port
- Mode Switch (Standard, Link Aggregation, VLAN)
- Power LED Indicator
- Link/Activity LEDs for each port

5. Setup

5.1 Hardware Installation (NAS)

1. **Install Hard Drives:** Open the NAS enclosure according to the quick start guide. Insert your 3.5-inch or 2.5-inch SATA HDDs/SSDs into the drive bays. Ensure they are securely fastened.
2. **Connect Power:** Connect the NAS power adapter to the DC power input on the rear panel and then to a power outlet.
3. **Connect to Network:** Connect one end of an Ethernet cable to the LAN port on the NAS and the other end to an available port on your UGREEN 2.5Gb Switch or router.
4. **Power On:** Press the power button on the front panel of the NAS. The power LED should illuminate.

5.2 Switch Connection

1. **Connect Power:** Connect the switch power adapter to the DC 12V power port on the switch and then to a power outlet. The power LED on the switch should light up.
2. **Connect Devices:** Connect your NAS, computers, routers, and other network-enabled devices to the 2.5Gbps RJ45 ports (Ports 1-5) on the switch using Ethernet cables.
3. **Optional 10Gb SFP+ Connection:** For high-speed backbone connections, insert a compatible 1G/2.5G/10G optical module or RJ45 copper module (not included) into the SFP+ port (Port 6) and connect it to a 10GbE NAS, server, or router.



Image 5.1: UGREEN NASync DH2300 and Switch integrated into a workstation. This image depicts the UGREEN NAS and switch connected and operational within a desktop environment, demonstrating a typical setup for a personal workstation.

5.3 Initial Software Configuration (NAS)

Once the NAS is powered on and connected to the network, you will need to access its web interface for initial setup.

1. **Discover NAS:** Use the UGREEN NASync desktop application or a web browser to find your NAS on the network. Refer to the quick start guide for the specific discovery method.
2. **Initialize Storage:** Follow the on-screen prompts to initialize the installed hard drives, create storage pools, and set up volumes. This process will erase all data on new drives.
3. **Create User Accounts:** Set up administrator and user accounts for secure access to your NAS.
4. **Install Apps:** Explore and install various applications from the NASync App Center to extend the functionality of your NAS (e.g., media servers, backup tools).

6. Operating

6.1 NAS Data Management and Backup

The UGREEN NASync DH2300 provides a centralized location for storing and managing your digital content.

- **File Access:** Access files stored on the NAS from any connected device (Windows, macOS, iOS, Android) via network shares or the UGREEN NASync mobile app.
- **Automatic Backups:** Configure automatic backup tasks for your computers, phones, and other devices to the NAS.
- **Media Streaming:** Utilize built-in media server capabilities or install third-party apps to stream photos, music, and videos to compatible devices.
- **Photo Management:** The NAS supports smart photo organization features, including people recognition, OCR text recognition, and live photo backup.

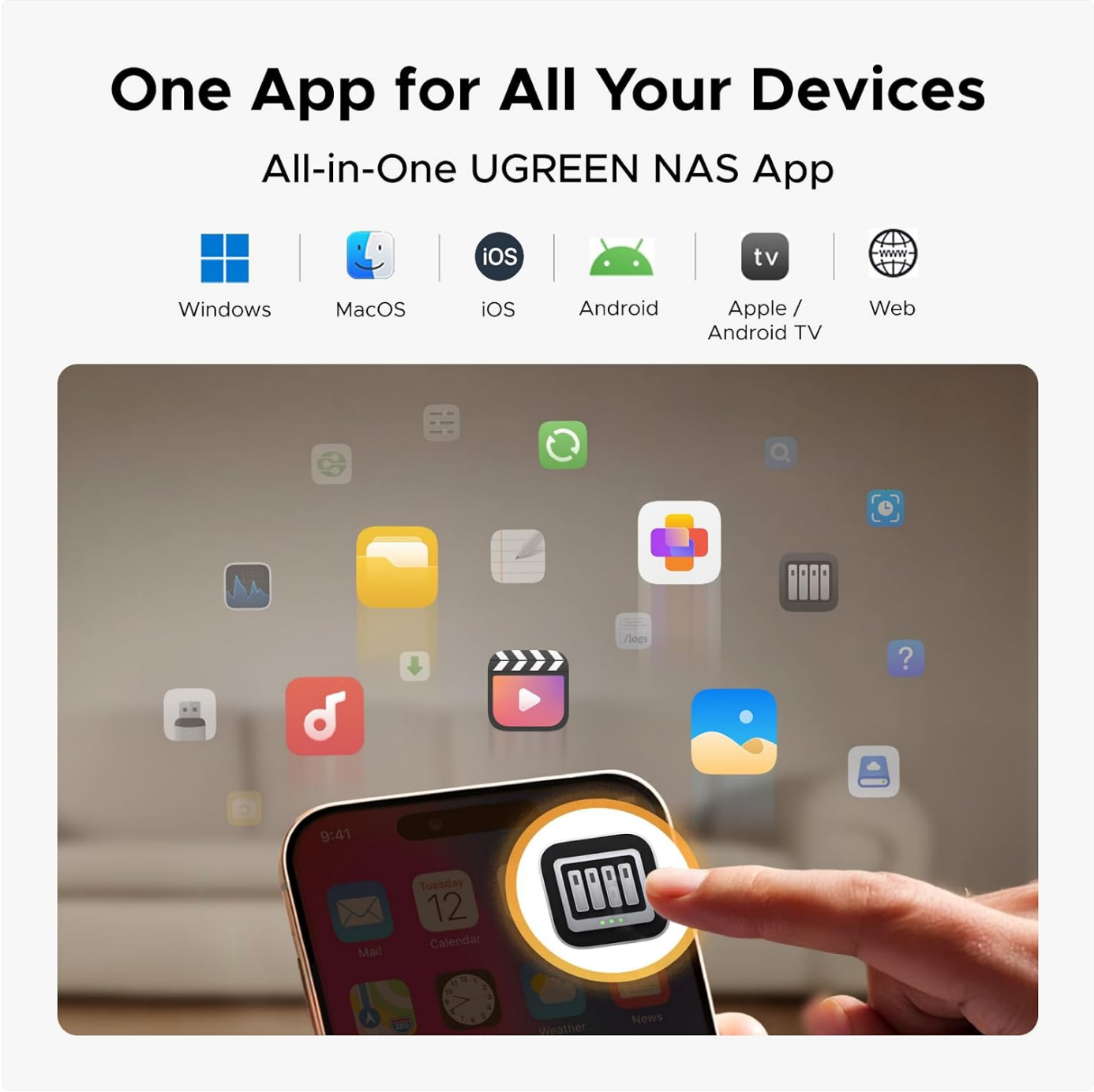


Image 6.1: UGREEN NASync app interface across multiple operating systems. This image illustrates the UGREEN NASync application's compatibility with various platforms including Windows, macOS, iOS, Android, Apple/Android TV, and web browsers, showing a smartphone screen with the app icon highlighted.



Image 6.2: Illustration of fast data backups and transfers. This image depicts a USB-C cable connected to the NAS, with graphics indicating significantly faster transfer speeds compared to typical cloud uploads, emphasizing local storage benefits.

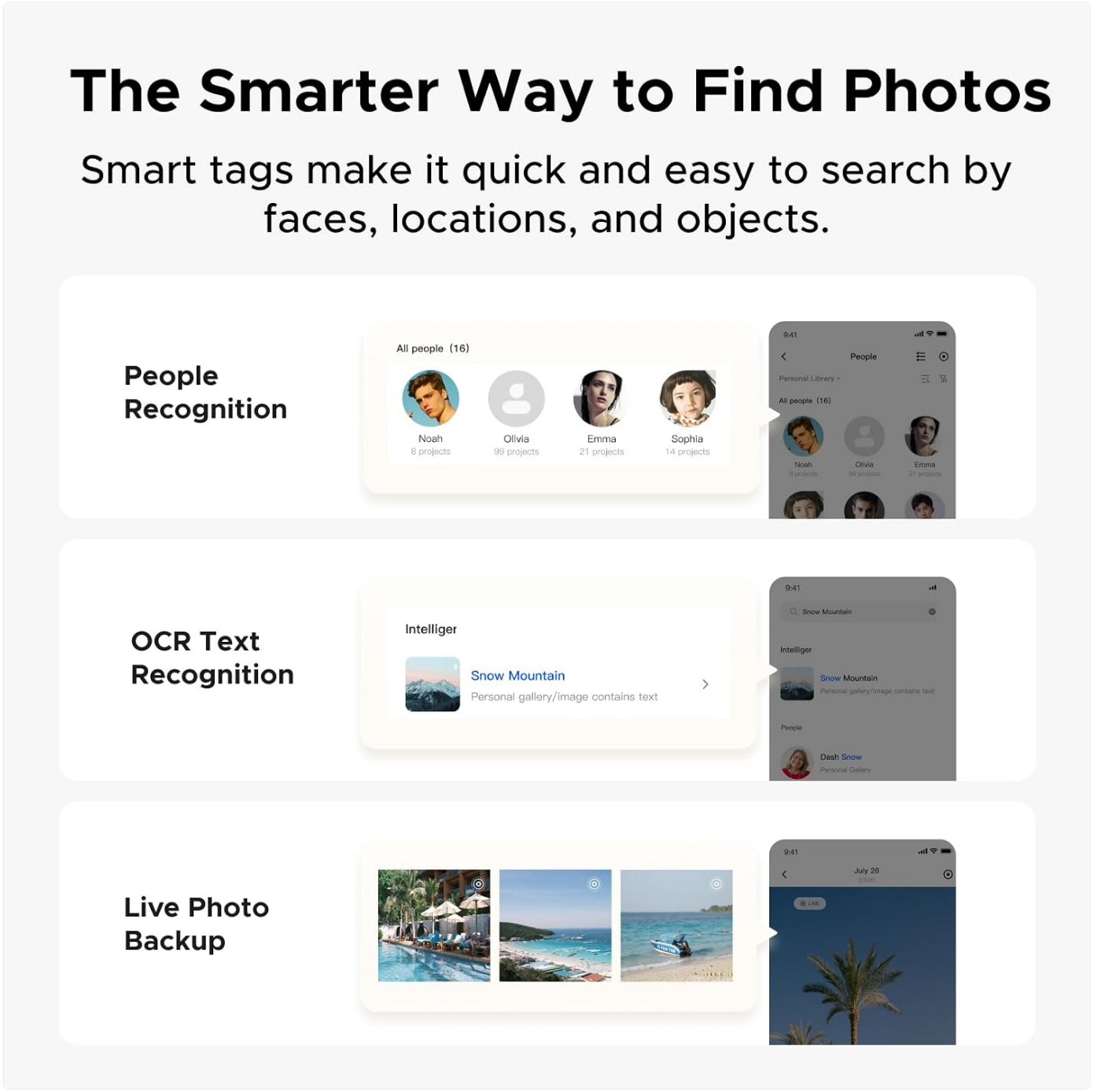


Image 6.3: Smart photo organization features. This image showcases the NAS's capabilities for organizing photos using AI, including people recognition, OCR text recognition, and live photo backup, displayed on a smartphone interface.



Image 6.4: UGREEN NASync DH2300 for long-term data storage. This image illustrates the concept of owning a NAS for long-term data storage, providing a dedicated solution for personal data management.

6.2 UGREEN 2.5Gb Switch Modes

The UGREEN UM106X switch features a mode switch to select between three operational modes:

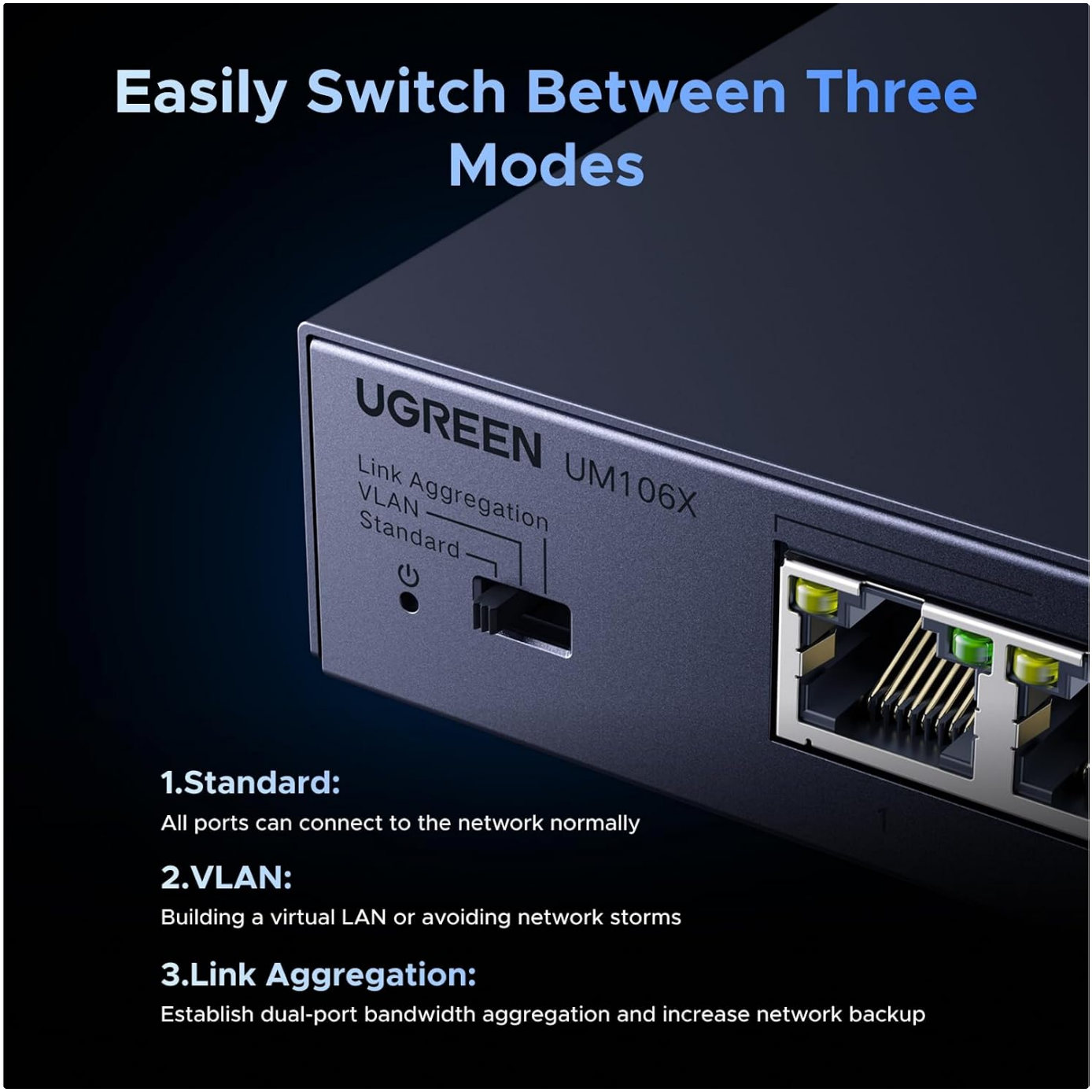


Image 6.5: Close-up of the UGREEN UM106X switch mode selector. This image highlights the physical switch on the UM106X, allowing users to select between Standard, VLAN, and Link Aggregation modes.

- **Standard Mode:** All ports operate independently, allowing normal network communication between all connected devices. This is the default mode.
- **Link Aggregation Mode:** Ports 4 and 5 are aggregated to form a single logical link, increasing bandwidth to 5Gbps for multi-port devices like the NAS. This requires the connected device to also support Link Aggregation.
- **VLAN Mode:** Ports 1-4 are isolated from each other but can communicate with ports 5 and 6. This improves network management and prevents broadcast storms, useful for segmenting network traffic.

To change modes, use the physical switch on the front panel of the UM106X. Ensure devices are properly configured for the selected mode.



Image 6.6: Visual representation of UGREEN switch speed capabilities. This image displays a bar chart comparing the speeds of SFP+ (10Gb) and RJ45 (2.5Gb) ports against standard 1Gb Ethernet, emphasizing the high-speed advantages of the UGREEN switch.

7. Maintenance

7.1 Firmware Updates (NAS)

Regularly check for and install firmware updates for your NAS to ensure optimal performance, security, and access to new features. This can typically be done through the NAS web interface under System Settings.

7.2 Disk Management (NAS)

Monitor the health of your hard drives through the NAS web interface. Replace failing drives promptly to prevent data loss. Consider setting up RAID configurations for data redundancy.

7.3 Cleaning

Gently wipe the exterior of the NAS and switch with a soft, dry cloth. Do not use liquid cleaners or abrasive materials.

Ensure ventilation openings are free from dust buildup.

8. Troubleshooting

- **Device Not Powering On:**
  - Check power cable connections to the device and power outlet.
  - Ensure the power adapter is functioning correctly.
- **NAS Not Accessible on Network:**
  - Verify Ethernet cable connection between NAS and switch/router.
  - Check LAN LED indicator on NAS and switch for activity.
  - Ensure your computer is on the same network segment as the NAS.
  - Restart the NAS, switch, and your router.
- **Slow Network Speeds:**
  - Ensure all connected devices (NAS, computers, switch) support 2.5Gbps Ethernet.
  - Check Ethernet cable quality; use Cat5e or higher for 2.5Gbps.
  - Verify the switch is in the correct mode (e.g., Link Aggregation if desired).
- **Hard Drive Issues:**
  - Check disk status LEDs on the NAS.
  - Access the NAS web interface to check drive health and SMART information.
  - Ensure drives are properly seated in their bays.

9. Specifications

9.1 UGREEN NASync DH2300 NAS

- **Drive Bays:** 2 (supports 3.5" and 2.5" SATA HDDs/SSDs)
- **Maximum Capacity:** Up to 60TB (drive dependent)
- **Network Interface:** 1x Ethernet LAN port
- **Other Ports:** USB-A, USB-C, HDMI
- **Operating System Support:** Windows, macOS, iOS, Android, Web

9.2 UGREEN 6-Port 2.5Gb Switch (UM106X)

- **RJ45 Ports:** 5 x 2.5Gbps
- **SFP+ Port:** 1 x 10Gbps (supports 1G/2.5G/10G optical/RJ45 copper modules)
- **Switching Modes:** Standard, Link Aggregation, VLAN
- **Power Input:** DC 12V

10. Warranty and Support

UGREEN products are designed and manufactured to the highest quality standards. For warranty information, please refer to the warranty card included in your product packaging or visit the official UGREEN website.
For technical support, troubleshooting assistance, or customer service inquiries, please contact UGREEN support through

their official website or the contact information provided in your product documentation.

- **UGREEN Official Website:** www.ugreen.com

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