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> [YuLinca 6-Port 2.5G Web Managed Switch User Manual \(Model: Mini 4x2.5G + 2x10G SFP Managed\)](#)

YuLinca Mini 4x2.5G + 2x10G SFP Managed

YuLinca 6-Port 2.5G Web Managed Switch User Manual

Model: Mini 4x2.5G + 2x10G SFP Managed

1. INTRODUCTION

This manual provides instructions for the installation, operation, and management of your YuLinca 6-Port 2.5G Web Managed Switch. This device features 4x 2.5 Gigabit Ethernet ports and 2x 10 Gigabit SFP+ uplink ports, designed for high-speed network environments. It supports various Layer 2 management functions including VLAN, QoS, LACP, and IGMP.

2. PRODUCT OVERVIEW

The YuLinca 6-Port 2.5G Web Managed Switch is a compact, fanless, and durable metal-cased network switch. It is engineered to provide reliable high-speed connectivity for demanding applications such as 4K video streaming, gaming, and NAS access. The switch offers adaptive speed negotiation (100Mb/1G/2.5G) on its RJ45 ports and supports 1G/10G optical fiber modules on its SFP+ ports.

6-Port Web Managed Multi-Gigabit Switch with 4-Port 2.5G and 2-Port 10G SFP+



4x 2.5G Ports



2x 10G SFP+ Slots



Web Management



L2 Features



Hassle-Free Cabling



Fanless & Quiet Design



Fiber Connectivity



Wall Mountable



Image: YuLinca 6-Port 2.5G Web Managed Switch highlighting its key features including 2.5G ports, 10G SFP+ slots, web management, L2 features, hassle-free cabling, fanless design, fiber connectivity, and wall-mountable option.

Key Features:

- **6-Port 2.5G Switch:** 4x 2.5G RJ45 Ethernet ports and 2x 10G SFP+ uplink ports.
- **Smart Web Management:** Supports device/port status inquiry and L2 configurations (VLAN, QoS, security, multicast, static aggregation, LACP, MAC address table, diagnostics).
- **Link Aggregation Support:** Static and dynamic (LACP) link aggregation via web interface (version 1.9 or higher) for increased throughput.
- **Auto-Negotiation:** Automatically detects and adjusts connection speeds (100Mb/1G/2.5G).
- **Wide Application:** Suitable for home entertainment, office, 4K video, gaming PCs, NAS, servers, and WiFi 6 APs.
- **Easy Maintenance:** Durable metal casing, fanless design for silent operation, and clear port status indicators.

3. PACKAGE CONTENTS

Please verify the contents of your package. If any items are missing or damaged, contact your vendor.

- YuLinca 6-Port 2.5G Web Managed Switch
- Power Adapter (DC 12V/1A)
- User Manual

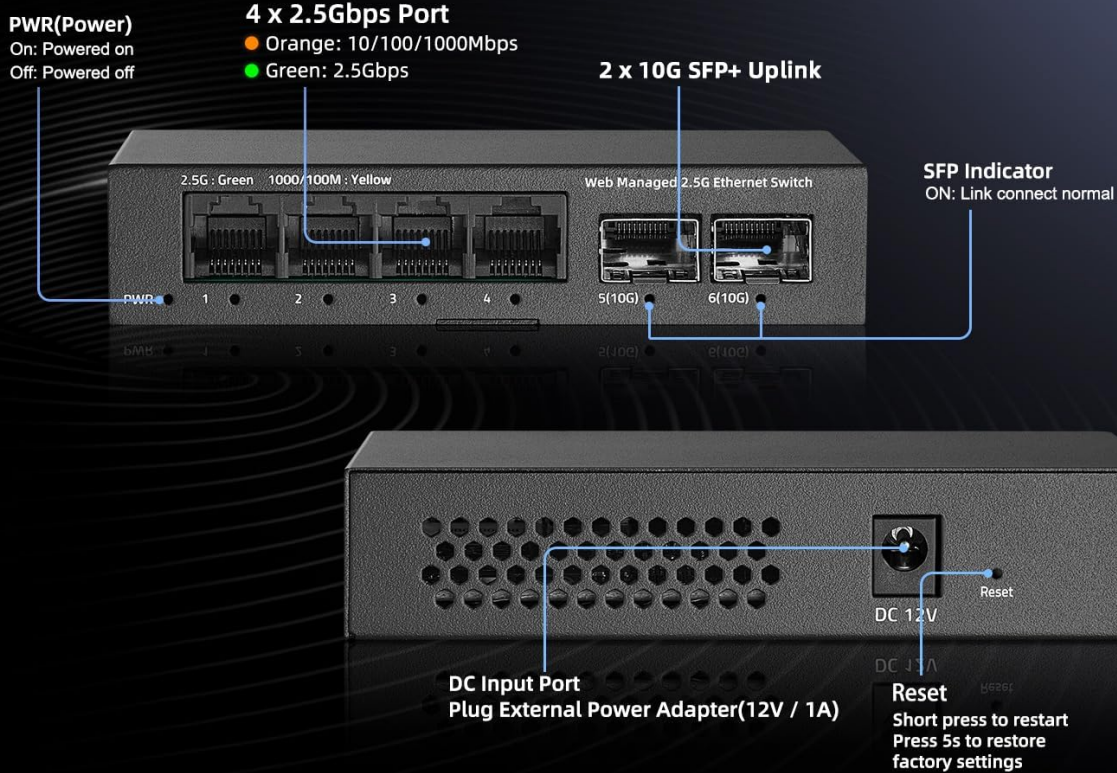
4. SETUP

Follow these steps to set up your YuLinca 6-Port 2.5G Web Managed Switch:

1. **Unpack the Switch:** Carefully remove the switch and its accessories from the packaging.
2. **Connect Power:** Plug the DC 12V/1A power adapter into the DC input port on the rear panel of the switch. Connect the other end to a power outlet. The PWR LED on the front panel should illuminate.
3. **Connect Network Devices:**
 - For 2.5G Ethernet connections, use CAT5e, CAT6, or CAT6a cables to connect your devices (e.g., PC, NAS, WiFi 6 AP) to ports 1-4.
 - For 10G SFP+ connections, insert compatible 1G or 10G optical fiber modules into ports 5(10G) and 6(10G), then connect fiber optic cables to your server or core switch.
4. **Verify Connections:** Check the LED indicators for each port. A solid green or yellow light indicates a successful link.

Multi-Gigabit Speed Support (4x2.5G+2x10G)

Support data transmission speed among 10G, 2.5G, 1G, and 100M



60Gbps
Switching Capacity

44.64Mpps
Throughput

4K
MAC address

12Kbytes
Jumbo Frame

Image: Detailed view of the switch's front panel with 2.5G RJ45 ports (1-4) and 10G SFP+ ports (5-6), along with power and link/speed indicators. The rear panel shows the DC power input and reset button.

5. OPERATING INSTRUCTIONS

5.1 Basic Operation

Once powered on and connected, the switch will automatically detect the speed of connected devices and establish a link. The fanless design ensures quiet operation, making it suitable for various environments.

5.2 LED Indicators

LED	Status	Description
PWR	On	Device is powered on.
2.5G (Green)	On	Port is linked at 2.5Gbps.
1000/100M (Yellow)	On	Port is linked at 1000Mbps or 100Mbps.

LED	Status	Description
SFP Indicator	On	SFP+ port link is normal.

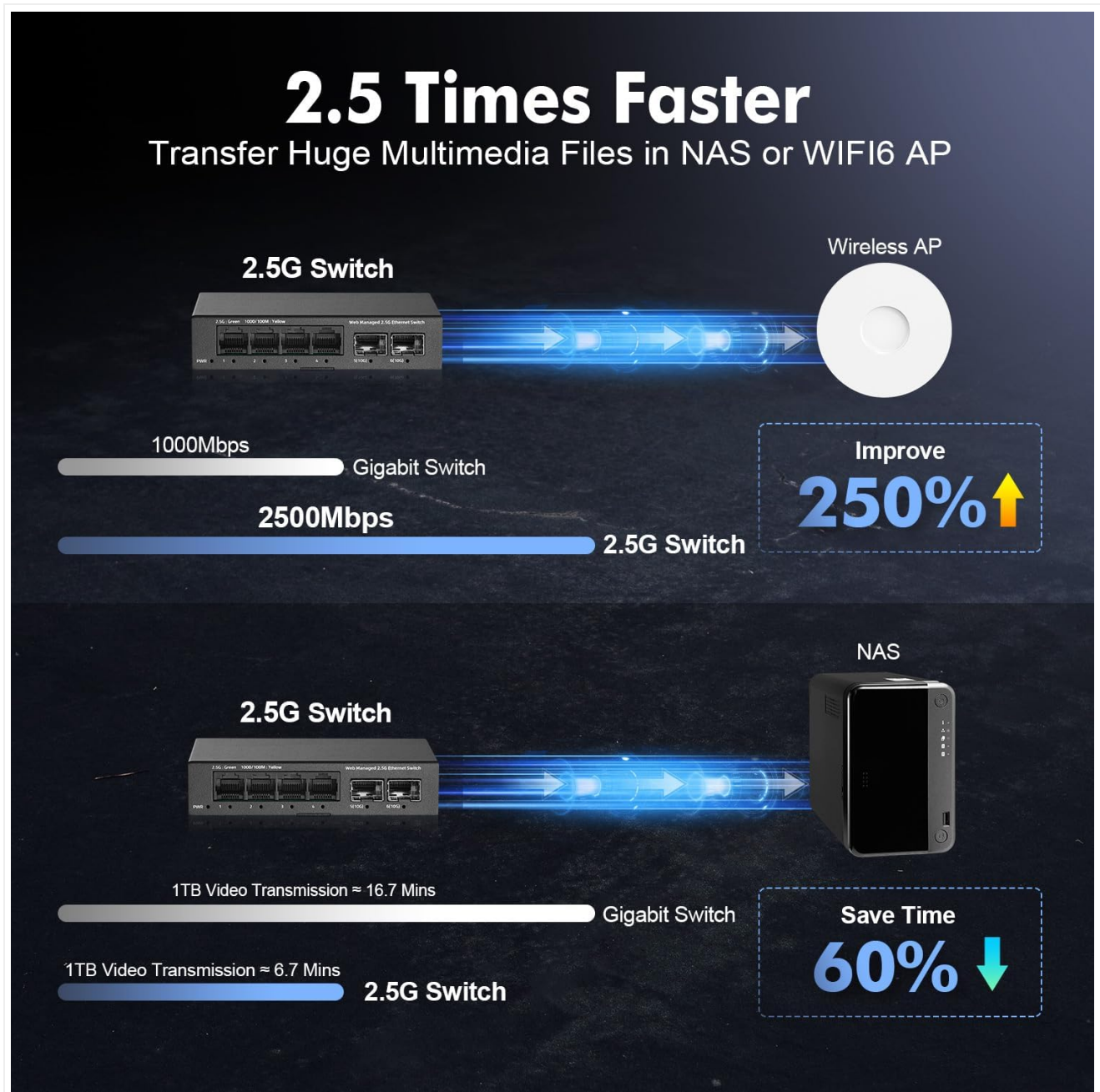


Image: Comparison showing the speed advantage of a 2.5G switch over a traditional Gigabit switch for transferring large multimedia files to NAS or WiFi6 AP, resulting in significant time savings.

6. WEB MANAGEMENT INTERFACE

The YuLinca 6-Port 2.5G Web Managed Switch provides a web-based graphical user interface (GUI) for configuration and monitoring. This allows users to manage the device without requiring command-line interface (CLI) expertise.

6.1 Accessing the Web Interface

1. Ensure your computer is connected to one of the switch's RJ45 ports.
2. Configure your computer's IP address to be in the same subnet as the switch's default IP address (e.g., if the switch is 192.168.2.1, set your computer to 192.168.2.x, where x is not 1).

- Open a web browser and enter the default IP address of the switch: **192.168.2.1**
- Enter the default username and password when prompted:
Username: admin
Password: admin
- Upon successful login, you will access the switch's management dashboard.



Image: Screenshot of the YuLinca 2.5G Managed Switch web interface, showing configuration options for Spanning Tree Settings and other network parameters.

6.2 Configurable Features

The web interface allows configuration of various Layer 2 features, including but not limited to:

- VLAN (Virtual Local Area Network):** Segment your network for improved security and performance.
- QoS (Quality of Service):** Prioritize network traffic for critical applications.
- LACP (Link Aggregation Control Protocol):** Combine multiple physical links into a single logical link for increased bandwidth and redundancy.
- IGMP (Internet Group Management Protocol):** Manage multicast group memberships.

- **Port Mirroring:** Monitor network traffic by sending a copy of packets from one port to another.
- **MAC Address Table:** View and manage MAC address entries.
- **Diagnostics:** Perform network diagnostics.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your YuLinca switch.

7.1 No Power

- Ensure the power adapter is securely connected to the switch and a working power outlet.
- Verify the power outlet is functional by plugging in another device.

7.2 No Link/Slow Speed

- Check that Ethernet cables are properly connected to both the switch and the connected device.
- Ensure you are using appropriate cables (CAT5e, CAT6, or CAT6a for 2.5G connections).
- Verify the link status LEDs on the switch. If no LED is lit, try a different port or cable.
- For SFP+ ports, ensure compatible 1G or 10G optical fiber modules are used and fiber cables are correctly connected.
- Check the network settings of the connected device to ensure it is configured for auto-negotiation or the correct speed.

7.3 Cannot Access Web Interface

- Confirm your computer's IP address is in the same subnet as the switch (default 192.168.2.1).
- Ensure you are using the correct default IP address (192.168.2.1) and credentials (admin/admin).
- Try clearing your browser's cache or using a different browser.
- Temporarily disable any firewall or antivirus software on your computer that might be blocking access.

7.4 Factory Reset

If you forget the login credentials or encounter persistent issues, you can restore the switch to its factory default settings:

1. With the switch powered on, locate the **Reset** button on the rear panel.
2. Use a paperclip or a similar pointed object to press and hold the Reset button for approximately 5-10 seconds until the LEDs flash.
3. Release the button. The switch will reboot with factory default settings.

8. SPECIFICATIONS

Feature	Description
Model Number	Mini 4x2.5G + 2x10G SFP Managed
Number of Ports	6 (4x 2.5G RJ45, 2x 10G SFP+)
Data Transfer Rate	10/100/1000Mbps, 2.5Gbps (RJ45); 1Gbps, 10Gbps (SFP+)
Switching Capacity	60 Gbps

Feature	Description
Throughput	44.64 Mpps
MAC Address Table Size	12K entries
Jumbo Frame Support	12 Kbytes
Interface Type	RJ45, SFP+
Housing Material	Metal
Cooling	Fanless
Color	Black
Compatible Devices	Printer, Laptop, Desktop, Gaming Console, Server, NAS, WiFi 6 AP, Router with RJ45 or SFP+ interface
Operating Temperature	Up to 40 Degrees Celsius
Power Supply	DC 12V/1A

9. MAINTENANCE

The YuLinca 6-Port 2.5G Web Managed Switch is designed for low maintenance. Its durable metal housing and fanless design contribute to stable and quiet operation.

- Keep the device in a well-ventilated area to prevent overheating.
- Clean the exterior with a soft, dry cloth as needed.
- Avoid exposing the switch to extreme temperatures, humidity, or direct sunlight.
- Ensure the power adapter is the correct voltage and current (DC 12V/1A) to prevent damage.

10. WARRANTY AND SUPPORT

For warranty information, technical support, or the latest firmware updates, please contact YuLinca support directly via email or visit the official YuLinca website. Software upgrades are supported to enhance device functionality and performance.