

YuLinca Mini 4x2.5G + 2x10G SFP

YuLinca 6-Port 2.5G Unmanaged Network Switch User Manual

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

1. INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of your YuLinca 6-Port 2.5G Unmanaged Network Switch. This device is designed to provide high-speed network connectivity for various applications, including home entertainment, office use, 4K video streaming, gaming, and NAS systems. The switch features 4x 2.5GBASE-T ports and 2x 10G SFP+ ports, offering flexible and powerful network expansion capabilities. Its plug-and-play design ensures easy setup without complex configuration.

2. PACKAGE CONTENTS

Verify the following items are included in your package:

- YuLinca 6-Port 2.5G Unmanaged Network Switch (Model: Mini 4x2.5G + 2x10G SFP)
- Power Adapter (DC 12V/1A)
- User Manual

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



Image: The YuLinca 6-Port 2.5G Unmanaged Network Switch with its power adapter and user manual.

3. PRODUCT FEATURES

- **High-Speed Connectivity:** 4x 2.5GBASE-T ports (10/100/1000M/2.5G adaptive) and 2x 10G SFP+ ports (1G/2.5G/10G module support).
- **Total Switching Capacity:** 60Gbps for efficient data transfer.
- **Unmanaged Design:** Plug and play, no configuration required.
- **Durable Construction:** Metal casing for enhanced durability and 4KV lightning protection.
- **Silent Operation:** Fanless design for quiet performance.
- **Efficient Cooling:** Dual side cooling holes and wide operating temperature range (-10~50°C).
- **Versatile Mounting:** Desktop or wall-mountable mini case.



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

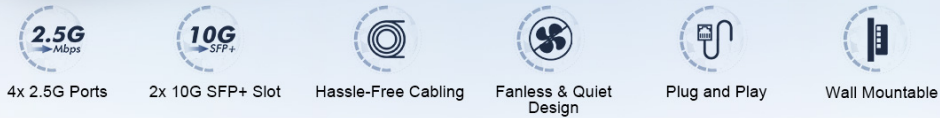


Image: Key features of the YuLinca 6-Port Multi-Gigabit Switch, including 2.5G ports, 10G SFP+, fanless design, and wall-mountable option.

Energy Saving Implementation



Image: Compatibility chart for CAT5e, CAT6, and CAT6A cables with 1G and 2.5G speeds, and compatible devices like WiFi 6 AP, NAS, and Workstations.

4. SETUP INSTRUCTIONS

The YuLinca 6-Port 2.5G Unmanaged Network Switch is designed for simple plug-and-play operation. No software installation or complex configuration is required.

- 1. Power Connection:** Connect the provided DC 12V/1A power adapter to the DC 12V input port on the switch and then plug it into a power outlet. The PWR indicator light will illuminate.
- 2. Ethernet Device Connection:**
 - For devices requiring 2.5G, 1G, or 100M speeds, connect them to any of the 4x 2.5GBASE-T RJ45 ports (ports 1-4) using standard Ethernet cables (CAT5e or higher recommended for optimal performance).
 - For devices requiring 1G, 2.5G, or 10G fiber optic connections, insert compatible SFP/SFP+ modules into the 2x 10G SFP+ ports (ports 5-6) and connect fiber optic cables.
- 3. Verify Connection:** Once devices are connected, observe the LED indicators on the switch.
 - For RJ45 ports (1-4): A green light indicates a 2.5G link. A yellow light indicates a 10/100/1000M link.
 - For SFP+ ports (5-6): An illuminated SFP indicator signifies a normal link connection.



Image: Detailed view of the switch's front and rear panels, highlighting the 2.5GBASE-T ports, 10G SFP+ ports, PWR indicator, and DC 12V power input.

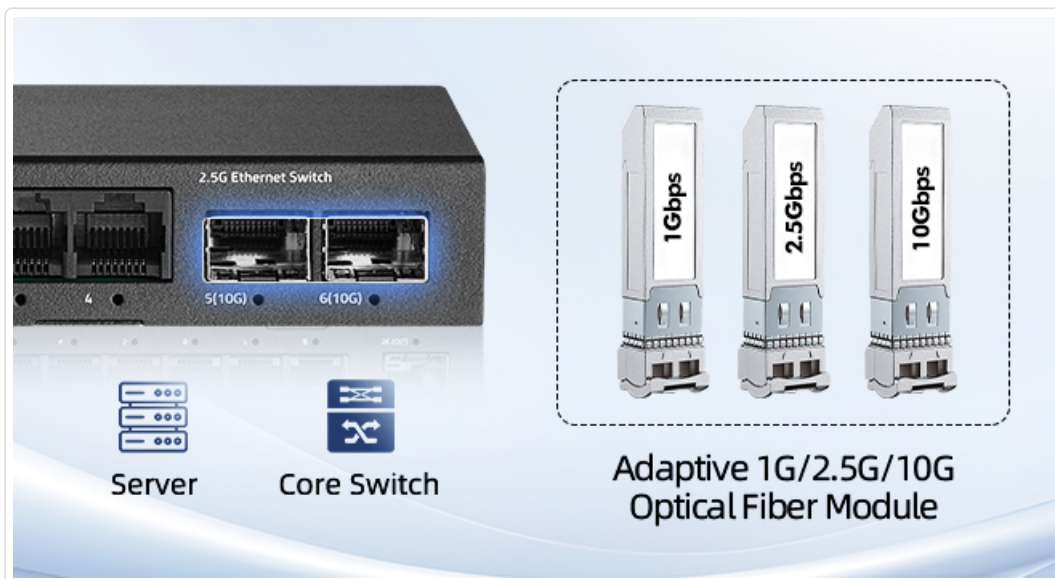


Image: Illustration of proper cable connections for both RJ45 Ethernet ports and SFP+ fiber optic ports, demonstrating adaptive module support.

5. OPERATING INSTRUCTIONS

Once powered on and connected, the YuLinca 6-Port 2.5G Unmanaged Network Switch operates automatically. It functions as a layer 2 Ethernet switch, forwarding data frames between connected devices based on MAC addresses.

- **Automatic Negotiation:** Each 2.5GBASE-T port automatically detects the speed (10/100/1000Mbps/2.5Gbps) and duplex mode of the connected device.
- **LED Indicators:** Monitor the LED indicators on the front panel to check the status of each port and the power.
 - **PWR LED:** Green when the switch is powered on.
 - **RJ45 Port LEDs (1-4):** Green for 2.5G link, Yellow for 10/100/1000M link. Blinking indicates data activity.
 - **SFP+ Port LEDs (5-6):** On when a link is established. Blinking indicates data activity.
- **Fanless Design:** The switch operates silently due to its fanless design, making it suitable for noise-sensitive environments.



Image: A close-up view of the PWR and port link/activity LEDs, showing their typical illumination during operation.

6. MAINTENANCE

The YuLinca 6-Port 2.5G Unmanaged Network Switch requires minimal maintenance due to its robust design and fanless operation.

- **Cleaning:** Periodically clean the exterior of the switch with a soft, dry cloth. Do not use liquid or aerosol cleaners.
- **Ventilation:** Ensure that the cooling holes on the sides of the switch are not obstructed to maintain proper airflow and prevent overheating.
- **Environment:** Operate the switch within the specified temperature range (-10~50°C) and avoid excessively humid or dusty environments.
- **Firmware:** As an unmanaged switch, no firmware updates are typically required or available for user installation.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No Power (PWR LED off)	Power adapter not connected or faulty; power outlet not working.	Check power adapter connection. Try a different power outlet. Ensure the power adapter is the correct one (DC 12V/1A).
No Link Light on a Port	Ethernet cable faulty or disconnected; connected device is off or faulty; incorrect cable type.	Ensure the Ethernet cable is securely connected at both ends. Try a different cable. Verify the connected device is powered on and functioning. For 2.5G connections, use CAT5e or higher.
Slow Network Speed	Cable quality issues; connected device's network adapter limitation; network congestion.	Ensure you are using CAT5e or CAT6/6A cables for 2.5G speeds. Check the network adapter settings on your connected device. Reduce network traffic if possible.
SFP+ Port Link Issues	SFP/SFP+ module incompatible or faulty; fiber cable damaged or incorrect type.	Ensure the SFP/SFP+ module is compatible with the switch and correctly inserted. Check the fiber optic cable for damage and ensure it's the correct type for the module.

8. SPECIFICATIONS

Feature	Detail
Model Number	Mini 4x2.5G + 2x10G SFP
Number of Ports	6 (4x 2.5GBASE-T RJ45, 2x 10G SFP+)
Data Transfer Rate	2500 Megabits Per Second (per 2.5G port)
Switching Capacity	60Gbps
Interface Type	RJ45, SFP+
Case Material	Metal
Fanless Design	Yes
Operating Temperature	-10°C to 50°C (14°F to 122°F)
Item Weight	0.38 Kilograms (13.4 ounces)
Package Dimensions	6.97 x 4.84 x 2.52 inches
Power Input	DC 12V/1A
Compatible Devices	Camera, Desktop, Gaming Console, Laptop, Printer, NAS, WiFi 6 AP, Server

9. WARRANTY AND SUPPORT

YuLinca provides a **1-year warranty** for this product from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use.

For technical support, warranty claims, or any questions regarding your YuLinca network switch, please contact YuLinca customer service through the retailer where the product was purchased or visit the official YuLinca website for contact information.

Please retain your purchase receipt as proof of purchase for warranty purposes.