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› YuanLey 10-Port 2.5G/10G Unmanaged Ethernet Switch User Manual

YuanLey YS25-0802T-JP

YuanLey 10-Port 2.5G/10G Unmanaged Ethernet Switch User Manual

Model: YS25-0802T-JP

Brand: YuanLey

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your YuanLey 10-Port 2.5G/10G Unmanaged Ethernet Switch. This device is designed to enhance your network performance with high-speed connectivity, featuring 8x 2.5 Gigabit Ethernet ports and 2x 10 Gigabit Ethernet RJ45 uplink ports. Its unmanaged nature ensures a simple plug-and-play experience without complex configuration.

The switch is ideal for various applications, including connecting Network Attached Storage (NAS) devices, WiFi 6 Access Points, gaming PCs, and other high-bandwidth devices, ensuring smooth data transfer and streaming experiences.

2. PACKAGE CONTENTS

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

- YuanLey 10-Port 2.5G Network Switch (Model: YS25-0802T-JP)
- Power Cable
- User Manual (this document)

3. PRODUCT OVERVIEW

The YuanLey 10-Port Unmanaged Ethernet Switch is housed in a durable metal casing with a fanless design for silent operation. It features a combination of 2.5G and 10G ports to accommodate various network speed requirements.

3.1 Front Panel

The front panel includes all network ports and LED indicators for monitoring device status.

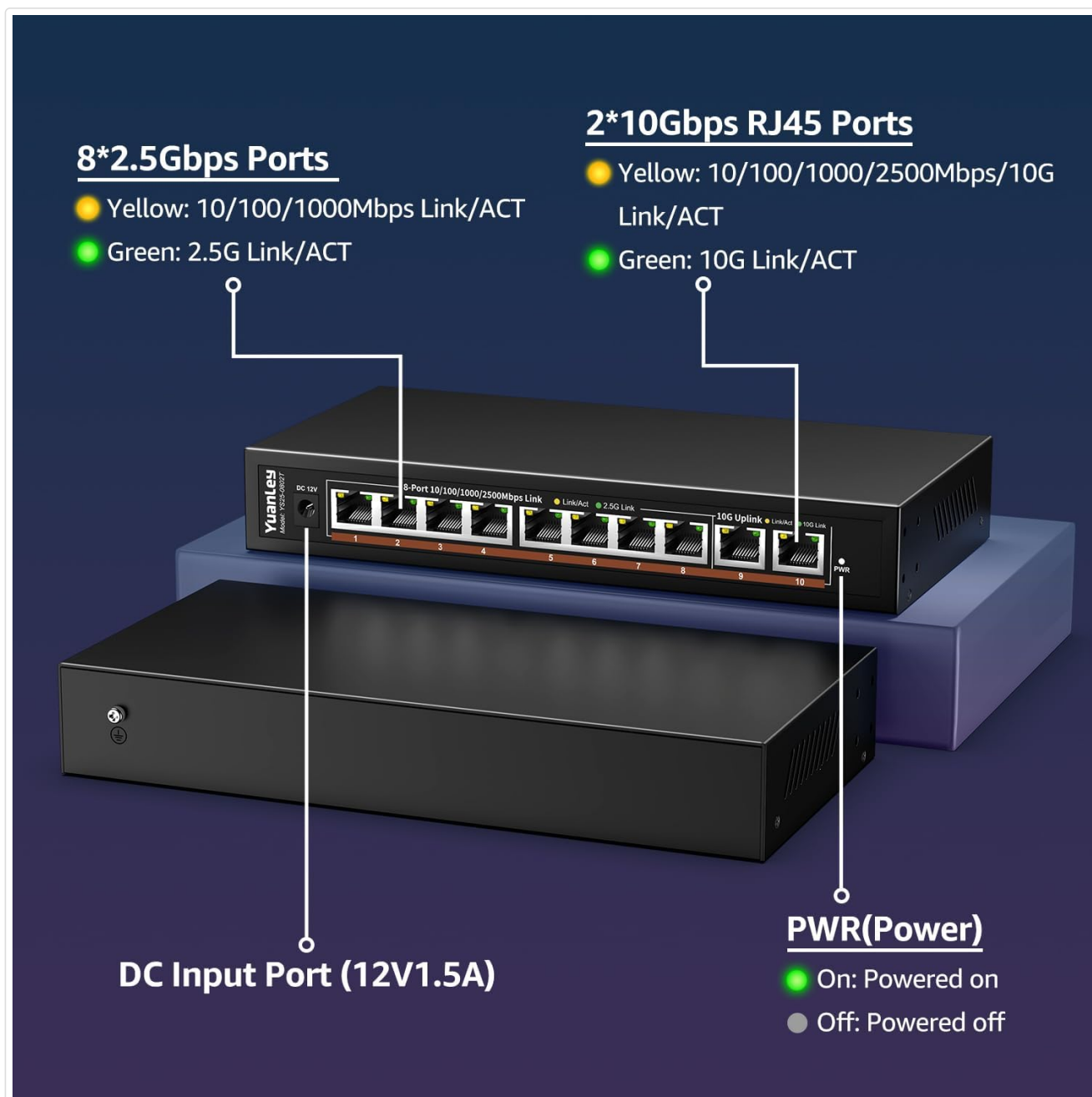


Figure 1: Front Panel Layout with Ports and Indicators

- **8x 2.5GbE RJ45 Ports (Ports 1-8):** These ports support 100/1000/2500Mbps speeds.
- **2x 10GbE RJ45 Uplink Ports (Ports 9-10):** These ports support 100/1000/2500Mbps/10G speeds.
- **LED Indicators:**
 - **Link/ACT (Yellow for 10/100/1000Mbps, Green for 2.5G/10G):** Indicates a network connection and data activity.
 - **PWR (Power):** Green light indicates the device is powered on.

3.2 Rear Panel

The rear panel typically contains the DC power input port.

- **DC Input Port (12V 1.5A):** Connect the provided power adapter here.

4. SETUP

The Yuanley Unmanaged Ethernet Switch is designed for simple plug-and-play installation, requiring no software

configuration.



Figure 2: Plug and Play Setup Example

1. **Power Connection:** Connect the provided power adapter to the DC input port on the switch and then plug it into a power outlet. The PWR LED on the front panel should illuminate green.
2. **Network Connections:** Connect your network devices (e.g., computers, NAS, routers, WiFi 6 APs) to any of the RJ45 ports (1-10) using standard Ethernet cables (Cat5e, Cat6, or Cat6a for optimal performance).
3. **Verify Connection:** Once a device is connected, the corresponding Link/ACT LED for that port will light up, indicating an active connection. The LED color will reflect the connection speed (Yellow for 10/100/1000Mbps, Green for 2.5G/10G).

The switch will automatically detect the speed and duplex mode of the connected devices.

5. OPERATING INSTRUCTIONS

As an unmanaged switch, operation is straightforward:

- **Automatic Negotiation:** The switch automatically negotiates the highest possible speed (100Mbps, 1Gbps, 2.5Gbps, or 10Gbps) with connected devices.
- **Full Duplex Support:** All ports support full-duplex mode for maximum data throughput.
- **Flow Control:** IEEE 802.3x flow control is supported to prevent packet loss during heavy network traffic.
- **LED Monitoring:** Observe the Link/ACT LEDs to confirm active connections and data transfer. A blinking LED indicates data activity.

High-performance Switch, Ideal for 2.5G/10G Devices

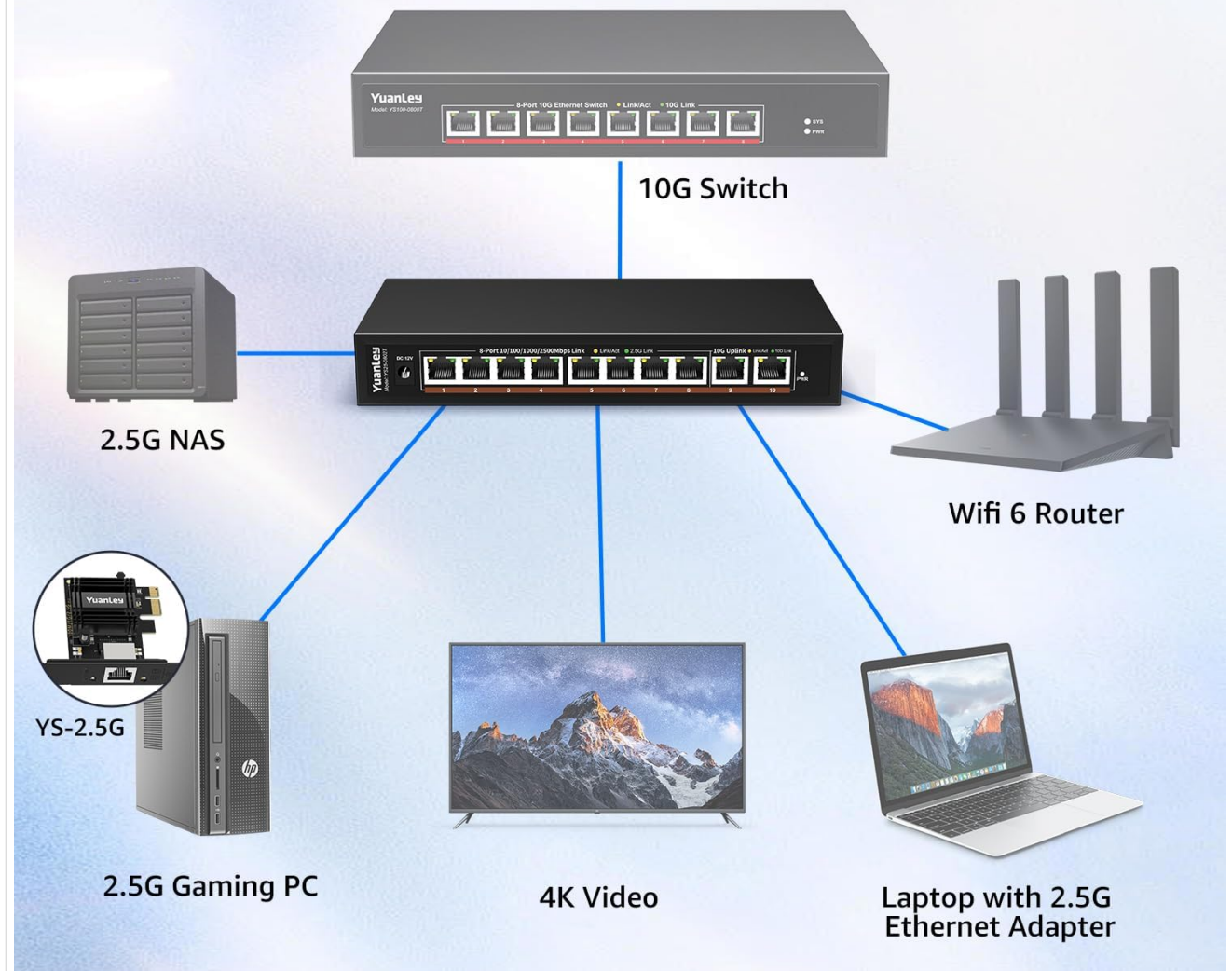


Figure 3: High-Performance Network Setup

6. MAINTENANCE

The Yuanley switch is designed for reliable, low-maintenance operation. Follow these guidelines to ensure optimal performance:

- **Placement:** Place the switch in a well-ventilated area, away from direct sunlight, heat sources, and excessive moisture. Ensure adequate airflow around the device.
- **Cleaning:** Keep the device clean and free of dust. Use a soft, dry cloth for cleaning. Do not use liquid or aerosol cleaners.
- **Fanless Design:** The fanless metal casing efficiently dissipates heat, contributing to silent operation and reduced power consumption.
- **Cable Management:** Ensure network cables are neatly organized and not excessively bent or strained.

Plug and Play, No Requiere Configuración

No hay necesidad de hacer ninguna configuración, enchufe el cable para trabajar, 3s para completar la instalación, simple y rápido.

✓CAT5e

✓CAT6

✓CAT6a

Figure 4: Key Design Features

7. TROUBLESHOOTING

If you encounter issues with your switch, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No Power (PWR LED off)	Power adapter not connected or faulty; power outlet issue.	Ensure the power adapter is securely connected to the switch and a working power outlet. Test the outlet with another device. Try a different power adapter if available.
No Link (Link/ACT LED off)	Ethernet cable disconnected or faulty; connected device is off or faulty.	Check that the Ethernet cable is securely connected at both ends. Try a different Ethernet cable. Ensure the connected device is powered on and functioning correctly.
Slow Network Speed	Cable quality issue; device not supporting higher speeds; network congestion.	Use Cat6 or Cat6a cables for 2.5G/10G connections. Verify that your connected devices (NICs, routers) support 2.5G or 10G speeds. Check for excessive network traffic or other bottlenecks in your network.
Intermittent Connection	Loose cable connection; faulty cable; electromagnetic interference.	Ensure all cable connections are firm. Replace suspected faulty cables. Relocate the switch away from strong electromagnetic sources.

If the problem persists after trying these solutions, please contact YuanLey customer support.

8. SPECIFICATIONS

Below are the technical specifications for the YuanLey 10-Port 2.5G/10G Unmanaged Ethernet Switch:

Feature	Description
Model Number	YS25-0802T-JP
Number of Ports	10 (8x 2.5G Base-T, 2x 10G RJ45)

Feature	Description
Interface Type	RJ45
Data Transfer Rate	80 Gigabits per second (Switching Capacity)
Supported Speeds	100Mbps, 1000Mbps, 2500Mbps, 10Gbps
Switch Type	Unmanaged
Fanless Design	Yes
Casing Material	Metal
Operating Temperature	-10°C to 50°C (14°F to 122°F)
Dimensions (L x W x H)	33.5 x 10.3 x 3.5 cm (13.19 x 4.06 x 1.38 inches)
Weight	810 g (1.79 lbs)
Power Input	12V 1.5A DC
Compatible Devices	Desktop computers, Laptops, Gaming consoles, NAS, WiFi 6 APs
Certifications	IEEE 802.3bz, IEEE 802.3x

9. WARRANTY AND SUPPORT

Your YuanLey 10-Port 2.5G/10G Unmanaged Ethernet Switch comes with a **1-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

For technical support, warranty claims, or further assistance, please contact YuanLey customer service through the official YuanLey store on Amazon or visit the manufacturer's website.

Online Support: [Visit the YuanLey Store on Amazon](#)