YuanLey YS2041G-P

YuanLey 5 Port Gigabit PoE Switch (Model: YS2041G-P) Instruction Manual

Brand: YuanLey | Model: YS2041G-P

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INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your YuanLey 5 Port Gigabit PoE Switch. This unmanaged switch features 4 PoE+ ports and 1 Gigabit uplink port, designed for reliable network expansion and Power over Ethernet (PoE) device connectivity.

The YuanLey 5 Port Gigabit PoE Switch, a compact and efficient networking solution.

PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- 1 x 5 Ports 100/1000Mbps PoE+ Switch
- 1 x AC Power Cable
- 4 x Screws with nuts
- 2 x Hanger (Mounting Brackets)
- 1 x User Manual
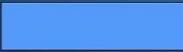
5-Port Gigabit Ethernet Switch with 4 Port PoE

802.3af/at Compliant

YuanLey

5-Port Gigabit Ethernet Switch with 4-Port PoE

Model: YS2041G-P

Gigabit PoE Link

Up Link

Default   Vlan

Power   Vlan
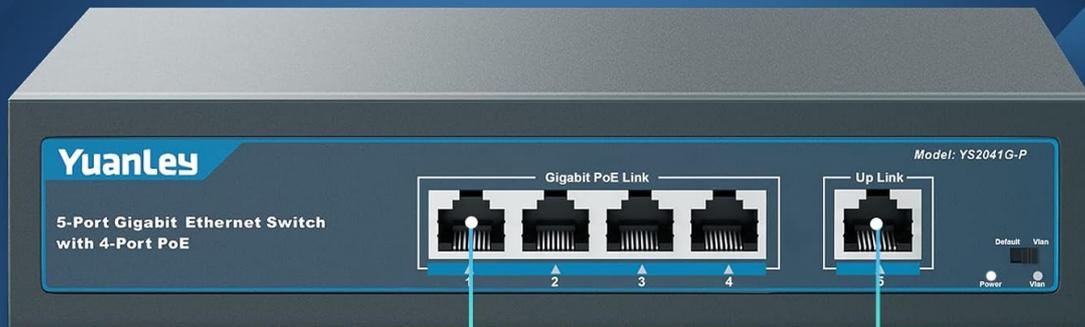
1-4 PoE
10/100/1000 Mbps

5 UpLink
1000 Mbps

Total Power   78w

Single Port   30w

The YuanLey 5 Port Gigabit PoE Switch and its included accessories, such as the power cable and mounting brackets.

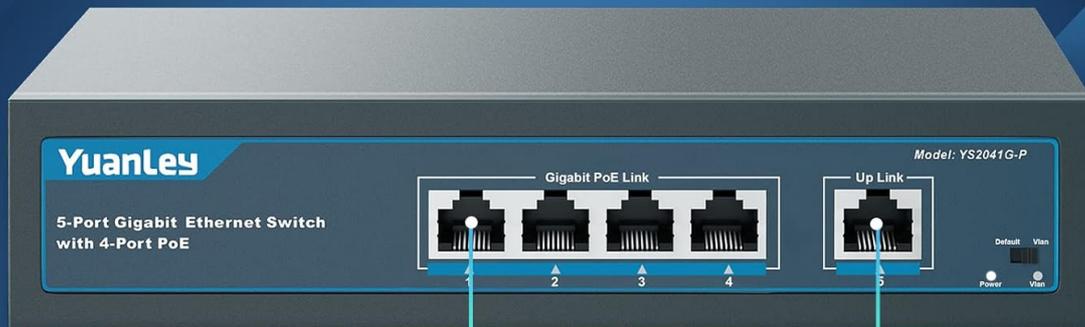*Video demonstrating the unboxing and contents of the YuanLey 5 Port Gigabit PoE Switch.*

PRODUCT OVERVIEW AND KEY FEATURES

All Gigabit Ports

The switch includes 4 Gigabit PoE+ ports and 1 Gigabit uplink Ethernet port. All ports support speeds up to 100/1000Mbps, ensuring excellent network performance.

Front view of the YuanLey 5 Port Gigabit PoE Switch, highlighting the 4 PoE+ ports and 1 uplink port.

High PoE Power

Supports IEEE 802.3af/at PoE power supply standards. The total power budget is 78W, with up to 30W available per port. This is suitable for powering multiple PoE devices.
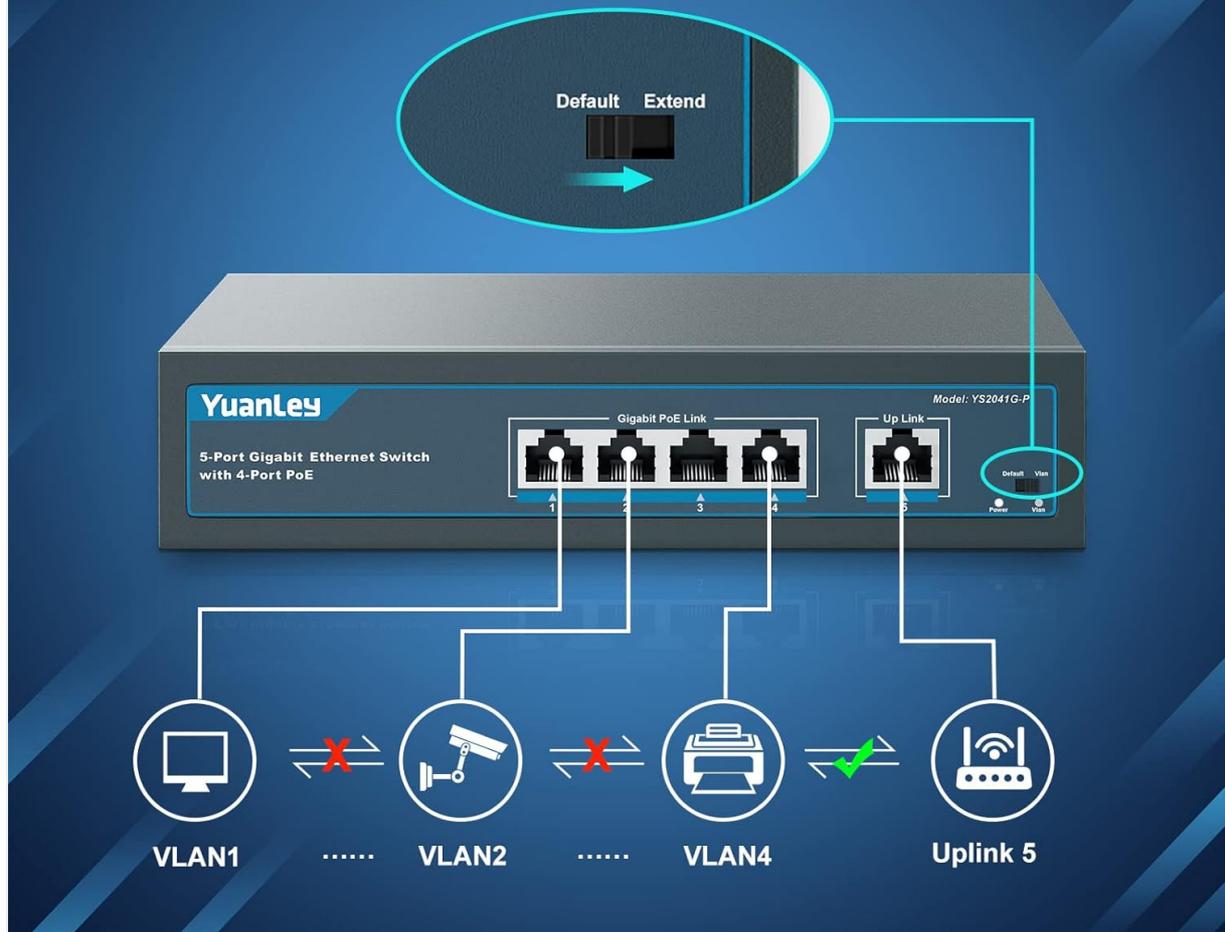
Diagram illustrating the 78W total PoE power and 30W per port capability of the YuanLey switch.

Unmanaged Plug & Play

This is an unmanaged switch, meaning no configuration is required. Simply plug in your devices, and it will automatically detect and connect both PoE and non-PoE devices such as PoE cameras, wireless access points (APs), computers, NVRs, and routers.
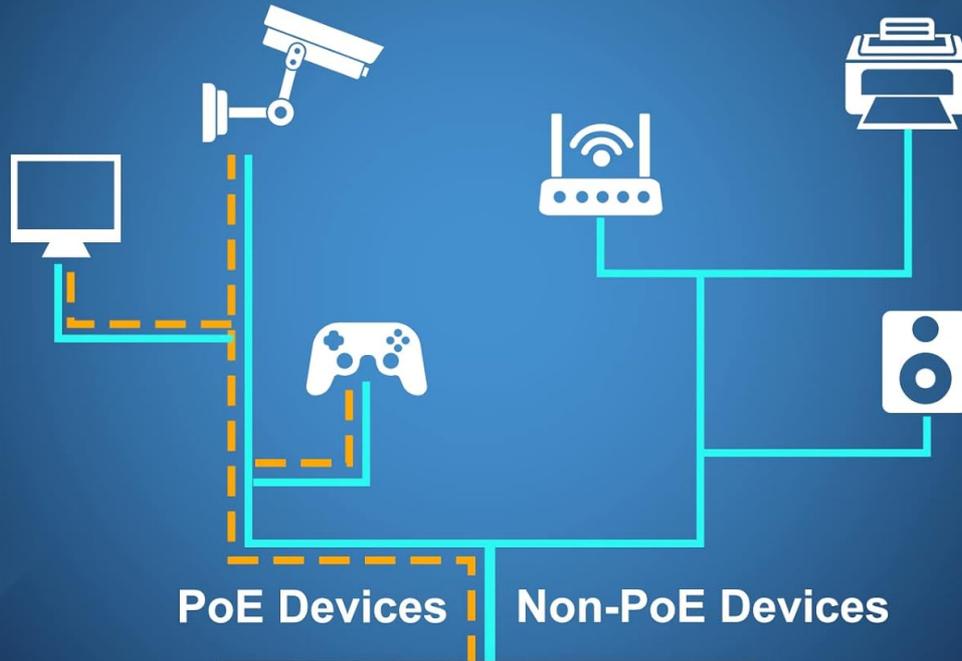
Illustration of the YuanLey PoE switch connecting various PoE and non-PoE devices.

One-Key VLAN

When VLAN mode is enabled, all PoE ports (1-4) are isolated from each other but can communicate with the uplink port. This feature enhances network security by segmenting traffic.

19" Rackmount Design

Include 19" Rackmount Kit

Diagram demonstrating the one-key VLAN function, isolating PoE ports while allowing communication with the uplink.

Durable Metal Casing & Fanless Design

The switch features a durable metal casing and a fanless design, ensuring silent operation and efficient heat dissipation for long-term reliability.

Close-up of the YuanLey PoE switch's metal casing and cooling vents.

Built-in Power Supply

The switch has a built-in power supply (AC/IN 100-240V 50-60Hz), eliminating the need for an external power adapter.
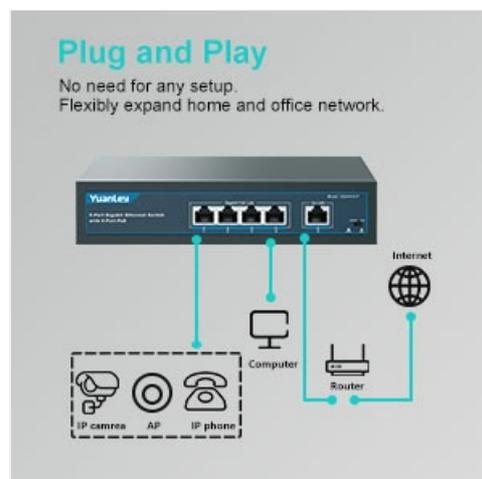

Rear view of the YuanLey PoE switch, showing the integrated AC power input.

4KV Lightning Protection

Equipped with 4KV lightning protection to safeguard the device and connected equipment from electrical surges.

Graphic illustrating the 4KV lightning protection feature of the switch.

SETUP INSTRUCTIONS

Step 1: Unpack the Switch

Carefully remove the PoE switch and all accessories from the packaging. Inspect for any damage.

Step 2: Connect Power

Connect the provided AC power cable to the power input on the rear of the switch and then to a standard electrical outlet. The power LED indicator should illuminate.

Step 3: Connect Network Devices

Connect your PoE-powered devices (e.g., IP cameras, wireless access points, IP phones) to any of the 4 PoE+ ports (ports 1-4) using standard Ethernet cables.

Connect your non-PoE devices (e.g., computer, NVR, router) to the uplink port (port 5) or any other available PoE+ port if not powering a PoE device.

Diagram showing how to connect various devices to the YuanLey PoE switch for plug-and-play operation.

Step 4: Optional: Enable VLAN Mode

If network segmentation is desired, locate the VLAN switch on the device and toggle it to the "VLAN" position. This will isolate traffic between PoE ports 1-4, enhancing security.
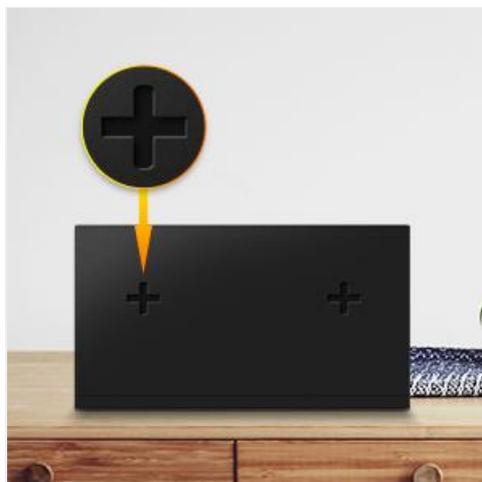
Close-up of the VLAN switch on the YuanLey PoE switch.

Step 5: Optional: Mounting

Use the included mounting brackets and screws to secure the switch to a wall, desk, or rack unit if desired. The switch also has pre-drilled holes on the bottom for direct wall mounting.

Illustration of the YuanLey PoE switch with mounting brackets and showing it installed in a rack.

OPERATING INSTRUCTIONS

Power On

Once connected to power, the switch will automatically power on. The Power LED will indicate its operational status.

Link/Act Indicators

Each port has LED indicators. A green light indicates a successful network link and activity. A yellow light indicates PoE power is being supplied.

Data Transfer

The switch operates automatically to facilitate data transfer between connected devices at Gigabit speeds.

The YuanLey 5 Port Gigabit PoE Switch in an office setting, demonstrating its compact design.

Video showcasing the 5-Port Gigabit PoE Switch with 4-Port PoE in operation.

MAINTENANCE

Cleaning

Regularly clean the exterior of the switch with a soft, dry cloth. Do not use liquid or aerosol cleaners.

Ventilation

Ensure that the cooling vents on the sides of the switch are not obstructed to allow for proper heat dissipation.

Environmental Conditions

Operate the switch within the specified temperature range (0°C to 55°C) and humidity levels to ensure optimal performance and longevity.

Diagram illustrating the operating temperature range of the YuanLey PoE switch.

TROUBLESHOOTING

No Power

Check if the power cable is securely connected to both the switch and the electrical outlet. Verify the outlet is functional.

No Link/Activity

Ensure Ethernet cables are properly connected to both the switch port and the device. Try a different cable or port. Verify the connected device is powered on and functioning correctly.

PoE Device Not Powering On

Confirm the device is PoE-compatible (IEEE 802.3af/at). Check the PoE LED indicator for the port; if it's not lit, the device might not be drawing power or there might be an issue with the cable. Ensure the total power consumption of all connected PoE devices does not exceed the switch's 78W budget.
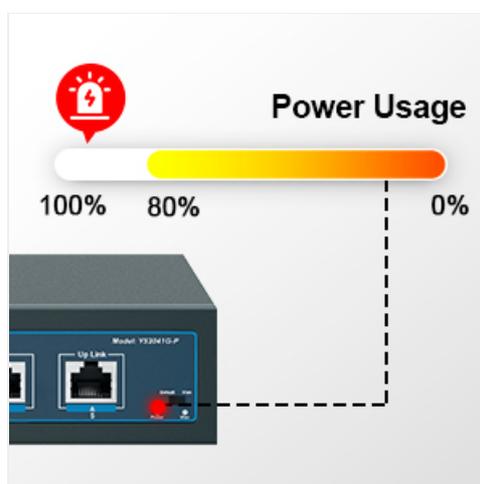
Graphic depicting power usage levels on the PoE switch, indicating potential overload if too many devices are connected.

Slow Network Speed

Ensure all connected devices and cables support Gigabit Ethernet for optimal performance. Check for network congestion or faulty cables.

VLAN Isolation Issues

If devices on PoE ports 1-4 cannot communicate with each other, verify the VLAN switch is in the "VLAN" position. If they cannot communicate with the uplink, ensure the uplink port is correctly connected.

TECHNICAL SPECIFICATIONS

Feature	Specification
Model	YS2041G-P
Number of Ports	5 (4 PoE+, 1 Uplink)
Data Transfer Rate	1000 Megabits Per Second (Gigabit)
PoE Standard	IEEE 802.3af/at
Maximum PoE Power	78 Watts (Total)
Per PoE Port Power	Up to 30 Watts
Input Voltage	AC 100-240V, 50-60Hz
Case Material	Metal
Fanless	Yes
Dimensions	7.87 x 4.65 x 1.57 inches
Item Weight	1.96 pounds (0.89 Kilograms)
Operating Temperature	0°C to 55°C
Lightning Protection	4KV

WARRANTY AND SUPPORT

YuanLey provides a 100% Satisfaction Guarantee. For technical support or warranty inquiries, please refer to the contact information provided in the included user manual or visit the official YuanLey website.

Video review of the 5 Port Gigabit PoE Switch, provided by YuanLey.