YuanLey YS2082F-P

YuanLey 8 Port 10/100Mbps PoE Switch (Model YS2082F-P) User Manual

Unmanaged Ethernet Switch with 8 PoE Ports and 2 Uplink Ports

Introduction	Safety Information	Package Contents	Product Overview	Setup
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1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your YuanLey 8 Port 10/100Mbps PoE Switch (Model YS2082F-P). This unmanaged Ethernet switch is designed to provide Power over Ethernet (PoE) to compatible devices, simplifying network infrastructure by delivering both data and power over a single Ethernet cable. Please read this manual thoroughly before using the device to ensure proper and safe operation.

2. SAFETY INFORMATION

- Ensure the power supply voltage matches the requirements specified on the device label.
- Do not open the device casing. There are no user-serviceable parts inside.
- Avoid placing the switch in areas with high humidity, extreme temperatures, or direct sunlight.
- Ensure adequate ventilation around the switch to prevent overheating.
- Use only the power adapter provided with the device.
- Do not connect non-PoE devices to PoE ports if they are not designed to handle PoE input, as this may cause damage. This switch is designed to detect PoE devices, but caution is always advised.

3. PACKAGE CONTENTS

Upon opening the package, please verify that all items are present and undamaged. If any items are missing or damaged, contact your vendor immediately.

- YuanLey 8 Port 10/100Mbps PoE Switch (Model YS2082F-P)
- Power Adapter

- User Manual (this document)
- Mounting Accessories (if applicable, e.g., rubber feet, wall-mount kit)

4. PRODUCT OVERVIEW

The YuanLey YS2082F-P is an unmanaged 8-port Power over Ethernet (PoE) switch with 2 dedicated uplink ports. It is designed for small to medium-sized networks requiring reliable power and data transmission to PoE-compatible devices such as IP cameras, VoIP phones, and wireless access points.

Note on Images: The provided product data did not include specific images for the YS2082F-P model. Therefore, visual representations are omitted from this manual. Please refer to the physical product for exact port layouts and indicator locations.

4.1 Front Panel Layout

The front panel of the switch features the Ethernet ports and LED indicators. A general description is given below.

- **PoE Ports (Ports 1-8):** These 10/100Mbps RJ45 ports support IEEE 802.3af/at Power over Ethernet, providing both data and power to connected PoE devices.
- **Uplink Ports (Ports 9-10):** These 10/100Mbps RJ45 ports are used to connect the switch to a router, NVR, or another network switch. They do not provide PoE.
- **LED Indicators:**
  - **PWR LED:** Indicates power status. (On: Power is supplied; Off: No power).
  - **Link/Act LEDs (per port):** Indicates connection status and activity. (On: Link established; Blinking: Data activity; Off: No link).
  - **PoE Max LED:** Indicates if the total PoE power budget is nearing its limit. (On: PoE power consumption is high; Off: Normal operation).

4.2 Rear Panel Layout

The rear panel typically contains the power input and possibly grounding points. A general description is given below.

- **Power Input:** Connector for the external power adapter.
- **Grounding Screw:** (Optional) For connecting a grounding wire to protect against electrical surges.

5. SETUP

5.1 Physical Installation

1. **Placement:** Place the switch on a stable, flat surface or mount it to a wall using appropriate mounting hardware (if included). Ensure the location is well-ventilated and away from heat sources, moisture, and direct sunlight.
2. **Power Connection:** Connect the provided power adapter to the switch's power input port, then plug the adapter into a standard AC power outlet. The PWR LED should illuminate.

5.2 Connecting Network Devices

1. **Connect to Network:** Use a standard Ethernet cable to connect one of the uplink ports (Ports 9 or 10) to your router, modem, or main network switch. The corresponding Link/Act LED should light up.
2. **Connect PoE Devices:** Connect your PoE-compatible devices (e.g., IP cameras, VoIP phones) to any of the PoE ports (Ports 1-8) using standard Ethernet cables. The switch will automatically detect if the connected

device is PoE-compatible and supply power. The corresponding Link/Act LED and PoE LED (if available per port) should light up.

3. **Connect Non-PoE Devices:** You can also connect non-PoE network devices (e.g., computers, NVRs without PoE input) to the PoE ports. The switch will provide data connectivity without supplying power.

Note: This is an unmanaged switch, meaning no configuration is required. It operates as plug-and-play.

6. OPERATING INSTRUCTIONS

The YuanLey YS2082F-P is an unmanaged switch, designed for ease of use. Once connected as described in the Setup section, it will automatically begin functioning.

6.1 Power On

After connecting the power adapter, the switch will power on automatically. The PWR LED will illuminate, indicating that the device is receiving power.

6.2 LED Indicators

Monitor the LED indicators to understand the status of your network connections:

- **PWR LED:** Solid green indicates the switch is powered on.
- **Link/Act LEDs:**
  - Solid green: A stable network link is established on that port.
  - Blinking green: Data is being transmitted or received through that port.
  - Off: No device is connected, or the connected device is not powered on/not functioning correctly.
- **PoE Max LED:** This LED indicates the overall PoE power consumption. If it lights up, it suggests that the total power drawn by connected PoE devices is approaching the switch's maximum power budget (120W). Consider reducing the number of high-power PoE devices or using a switch with a higher power budget if this LED remains on consistently.

6.3 Unmanaged Operation

As an unmanaged switch, the YS2082F-P requires no software configuration. It automatically handles network traffic, including auto-negotiation for speed and duplex mode, and auto MDI/MDIX for cable type detection. Simply plug in your devices, and the switch will manage the connections.

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the switch. Do not use liquid or aerosol cleaners.
- **Ventilation:** Ensure that the ventilation openings are not blocked to prevent overheating.
- **Firmware:** As an unmanaged switch, firmware updates are typically not required or available for user installation.
- **Environmental Conditions:** Operate the switch within its specified temperature and humidity ranges to ensure optimal performance and longevity.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution

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 for the switch.
No Link (Link/Act LED Off)	Ethernet cable faulty or disconnected; connected device is off or faulty.	Check cable connections. Try a different Ethernet cable. Ensure the connected device is powered on and functioning.
PoE Device Not Receiving Power	Device is not PoE-compatible; cable issue; total PoE budget exceeded.	Verify the device is IEEE 802.3af/at compliant. Check the Ethernet cable. Monitor the PoE Max LED; if lit, reduce PoE load or use a higher-capacity switch.
Slow Network Speed	Cable quality; network congestion; device limitations.	Ensure you are using Cat5e or Cat6 cables. Check for other network activity. Verify connected devices support the desired speed.

9. Specifications

Feature	Description
Brand	YuanLey
Model Number	YS2082F-P
Number of Ports	10 (8 PoE ports, 2 Uplink ports)
PoE Standard	IEEE 802.3af/at
Maximum Power Output	120 Watts
Data Transfer Rate	10/100 Megabits Per Second (Mbps)
Uplink Ports Speed	10/100 Megabits Per Second (Mbps)
Interface	RJ45
Voltage	52 Volts (Input for power adapter)
Case Material	Metal
Switch Type	Unmanaged
Compatible Devices	Cameras, VoIP phones, Wireless Access Points, etc.
UPC	709046763848

10. Warranty and Support

YuanLey products are designed for reliability and performance. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official YuanLey website. For technical support, troubleshooting assistance, or to report issues, please contact YuanLey customer service through the contact information provided on their official website or your purchase platform.

Online Resources: For additional information, FAQs, and support, please visit the YuanLey Brand Store.