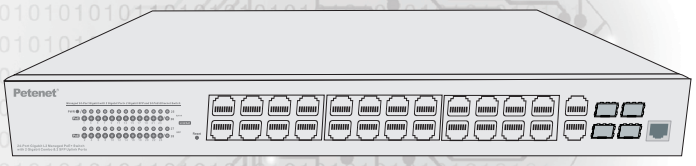
Petenet®

# Quick Start Guide



## 28-Port Gigabit L2 Managed PoE+ Switch

## 1 Features

- Conforms to IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3af, IEEE 802.3at.
- Provides 24 10/100/1000Base-T ports and 2 Gigabit Combo + 2 Gigabit SFP ports.
- Provides 24 PoE+ injector and 370W Built-in power supply.
- High back-plane bandwidth 56 Gbps.
- IEEE 802.3x Flow control
- 6KV Surge protection

## 2 Login Information

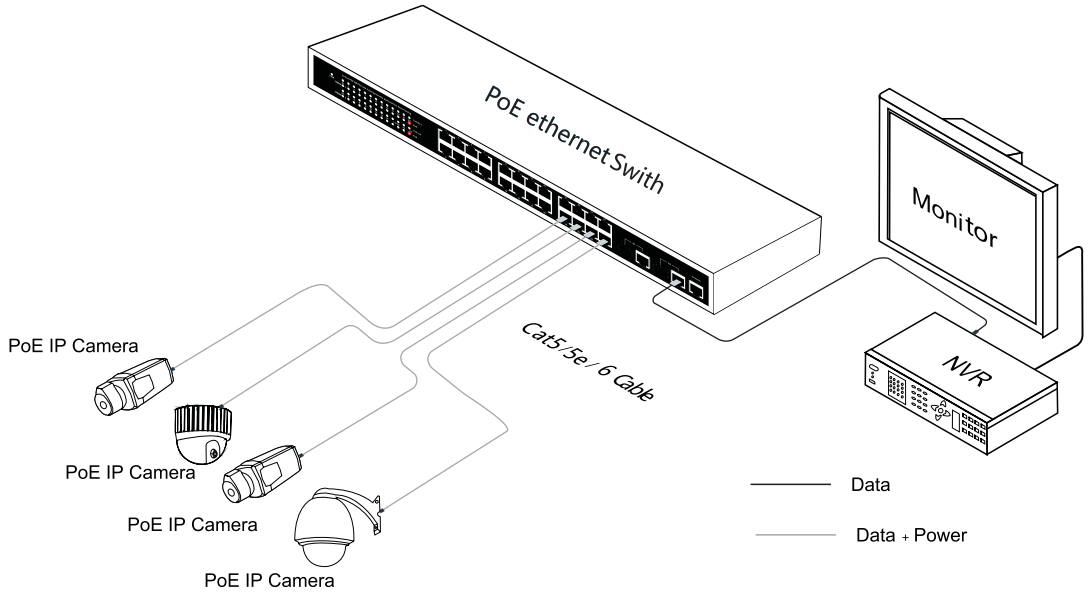
The default values of the L2 PRO PoE switches are listed in the table below:

| | |
|---|---|
| IP Address | 192.168.1.1 |
| Subnet Mask | 255.255.255.0 |
| Default Gateway | 192.168.1.254 |
| User Name | admin |
| Password | admin |

**Notice:** The transmission distance is related to the connected cable. Standard Cat5e/6 network cable and the quality of camera will help maximize the furthest distance possible.

## 3 Product Introduction

S7228-24P-370 is an L2 Managed PoE Switch, equipped with 24 Gigabit PoE (10M/100M/1G) and RJ45 & SFP transceiver (1G) slots for flexible link. It is compliant with IEEE 802.3af/at standards with sufficient PoE power budget for any application.



# 4 Specifications

| Item | | | Description |
|---|---|---|---|
| Power | Power supply | | Built-in power supply |
| | Voltage Range | | AC100~240V |
| | Consumption | | 370W for 24 PoE |
| Ethernet | Speed | | 1~24 Port:10/100/1000Mbps<br>25-26:10/100/1000Mbps Gigabit Combo Port<br>27~28:1000Mbps SFP port(SFP support optical module rates:1.25Gbps) |
| | Transmission Distance | | 100Meter(328ft)for RJ-45<br>SFP optical module is optional, and the transmission distance depends on the optical module |
| Network Switch | Ethernet Standard | | IEEE802.3/802.3u/802.3ab/802.3z/802.3af/802.3at |
| | Switching capacity | | 56G |
| | Transfer Rate | | 14,880pps for 10Mbps |
| | | | 148,800pps for 100Mbps |
| | | | 1,488,000pps for 1000Mbps |
| | MAC Address | | 8K MAC address table |
| LINK / ACT | On | Green | The port connection speed is 1000Mbps |
| | | Orange | The port connection speed is 10/100Mbps |
| | Blinks | - | The port is receiving or transmitting data |
| | Off | - | The port is not linked successfully with the device |
| POE | On | Green | PD is connected |
| | Off | - | No PD is connected or power forwarding fails |
| | PoE pin assignment | | V+(RJ45 Pin 1,2), V-(RJ45 Pin 3,6) |
| Enviro -nment | Working Temperature | | 0~40 ℃ |
| | Storage Temperature | | -40~70 ℃ |
| | Humidity Non condesing | | 0~90% |
| Mecha -nical | Dimension | | 440 x 200 x 44mm |
| | Color | | Black |

**Specification change will not be noticed**

# 5 Installation Steps

Please check the following items before installation, if it is missing, please contact the dealer.

- 28-Port Gigabit L2 Managed PoE+ Switch 1pcs
- AC power cable 1pcs
- Accessory 1pcs
- User manual 1pcs

**Please follow the below installation steps**

1) Please turn off the signal power and display device power before installation, installation with power will damage the transmission equipment.

2) Use a network cable to connect the PoE IP camera or other devices to 1-24 PoE port of the PoE Switch.

3) Use a network cable to connect equipment to the uplink port and NVR or computer.

4) Connect AC power.

5) Check if the installation is correct equipment is in good condition the connection is stable then provide power for system.

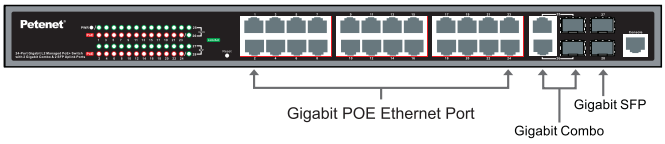
6) Ensure the Ethernet equipment with power and work properly.

7) Use a network cable to connect the PC to the console port, and use login information in page to manage PoE switch via software.

# 6 Board Diagram

28-Port Gigabit L2 Managed PoE+ Switch

**Front board**




**Back board**



Power input port
INPUT: 100-240VAC

# 7 Troubleshooting

Please follow the steps if the equipment has trouble

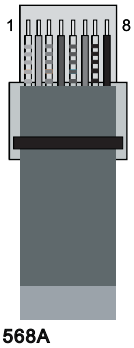
- Make sure the equipment is installed according to the manufacture's installation guide.
- Confirm RJ45 cable order meets EIA/TIA 568A or 568B standard.
- Every PoE port can provide PoE equipment maximum power less than 30W, please do not connect the PoE equipment with power over 30W.
- Replace the equipment with a proper functioning 28 Port Gigabit L2 Managed PoE Switch to check if the equipment is damaged.
- Please contact your vendor if trouble still exists.

# 8 Plug Producing Method

Instruments to be used: wire crimper, network tester and wire sequence of RJ45 plug should conform with EIA/TIA568A or 568B.

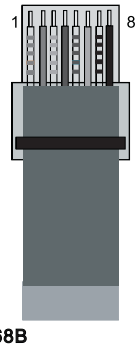
1) Please remove 2cm of the insulating layer and bare 8 pairs UTP cable
2) Separate the 8 pairs UTP cable and straighten them.
3) Line up the 8 pieces of cables per EIA TIA 568A or 568B.
4) Cut off the cables to leave 1.5cm bare wire.
5) Plug 8 cables into RJ45 plug make sure each cable is in each pin.
6) Use the wire crimper to crimp it.
7) Repeat above 6 steps to make the another ends.
8) Use network tester to test the cable if it works.

| Pin | Color |
|---|---|
| 1 | White / Green |
| 2 | Green |
| 3 | White / Orange |
| 4 | Blue |
| 5 | White / Blue |
| 6 | Orange |
| 7 | White / Brown |
| 8 | Brown |




**EIA / TIA 568A**

| Pin | Color |
|---|---|
| 1 | White / Orange |
| 2 | Orange |
| 3 | White / Green |
| 4 | Blue |
| 5 | White / Blue |
| 6 | Green |
| 7 | White / Brown |
| 8 | Brown |




**EIA / TIA 568B**

**Notice:**

When choosing RJ45 make sure if one end is EIA / TIA568A. the other end should also be EIA / TIA568A. When choosing RJ45 make sure if one end is EIA / TA568B. the other end should also be EIA / TIA568B.