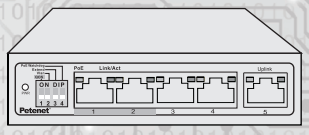
Petenet®

Quick Start Guide



4-Port Fast Ethernet
PoE+ Switch

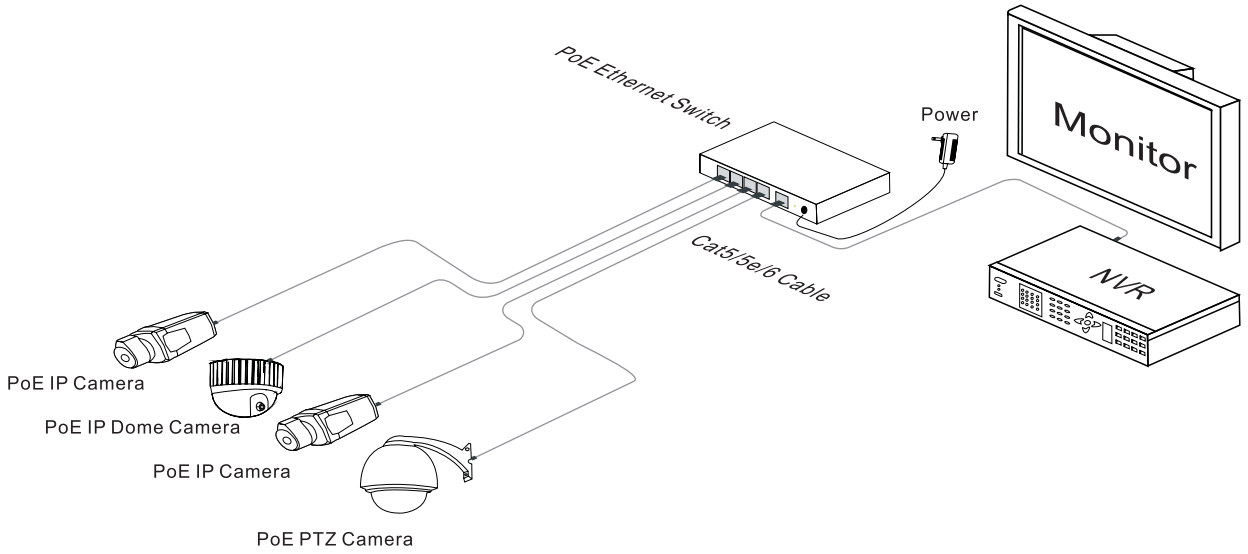
1 Features

- The switch supports one-key function conversion, currently supports five modes, DEFAULT mode, VLAN mode, EXTEND mode, WATCHDOG mode, QOS mode.
  DEFAULT: Normal mode, no special function (Normal mode all switch down).
  VLAN: Ports 1-4 do not communicate with each other; they communicate only with uplink ports. This controls broadcast storm and strengthens security.
  Extend: Ports 1-4 communicate with each other and with uplink ports. Ports 1-4 can transmit up to 250m Cat5e/6rated cable or higher.
  PoE Watchdog: If a linked network port receives no data for 2-3 minutes, PoE Watchdog cuts and restores power to that port, causing the linked device, such as an IP camera, to restart.
  QOS: QOS is the specified port with port data priority, priority is higher than other ports, other ports data priority is equal. 1-2 ports specify the priority, then the data forwarding of these two ports has a higher priority than the other ports, so the data of these two ports are preferentially forwarded.
- Conforms to IEEE 802.3, IEEE 802.3u, IEEE 802.3af, IEEE 802.3at.
- Provides 5 10/100 Base-TX ports.
- Provides 4 PoE+ injectors and 65W power adapter.
- High back-plane bandwidth 1Gbps.
- IEEE 802.3x Flow control
- 4KV Surge protection

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.

2 Product Introduction

The S5005-4P-65 is designed for security monitoring, specifically tailored for Ethernet HD security systems and projects. This product is fully integrated with features essential for security monitoring, offering rapid packet forwarding capabilities. It supports full Fast Ethernet transfer rates, providing sufficient bandwidth to ensure clear, smooth video transmission. This ensures that the bandwidth demands of high-definition video are fully met.



3 Specifications

Item			Description
Power	Power supply		External Power Adaptor
	Voltage Range		DC48~57V
	Consumption		<3W
Ethernet	Speed		1~4 Port : 10/100 Mbps Uplink: 10/100Mbps
	Transmission Distance		1-4Port 100Meters with 100Mpbs 200Meters with 10Mbps Uplink:100Meter with 100Mpbs
Network Switch	Ethernet Standard		IEEE 802.3/802.3u/802.3af/802.3at
	Switching capacity		1G
	Transfer Rate		14,880pps for 10Mbps
			148,800pps for 100Mbps
	MAC Address		2K MAC address table
LINK /ACT	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
	Capacity		62W
	PoE Pin Assignmnet		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		119 x 85 x 28mm
	Color		Black

Specification change will not be noticed

4 Installation Steps

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

- 4-Port Fast Ethernet PoE+ Switch 1pcs
- Power adaptor 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 PoE IP camera or other devices to 1~4 PoE port of the PoE Switch.

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

4) Connect the power adapter.

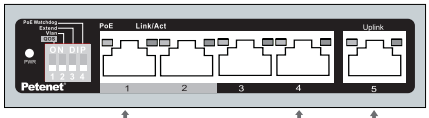
5) Check if the installation is correct, the equipment is in good condition and the connection is stable; then connect power to the system.

6) Ensure the Ethernet equipment has power and is working properly.

5 Board Diagram

4-Port Fast Ethernet PoE+ Switch

Front board



POE Ethernet Port

Uplink Ethernet Port

Back board

Power Input Port

6 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/TIA568A or 568B standard.
- Replace the equipment with a proper functioning 5 Port Fast Ethernet PoE Switch to check if the equipment is damaged.
- Please contact your vendor if trouble still exists.

7 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 2 cm long 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.

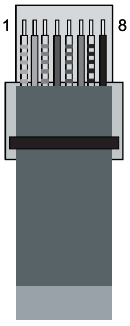
5) Plug 8 cables into RJ45 plug make sure each cable is in each pin.

6) Use the wire crimper to crimp it.

7) Repeat above steps to make additional ends.

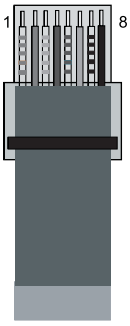
8)Use network tester to test the cable.

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.