

# Quick Start Guide



## 5-Port Gigabit PoE Switch

## 1 Features

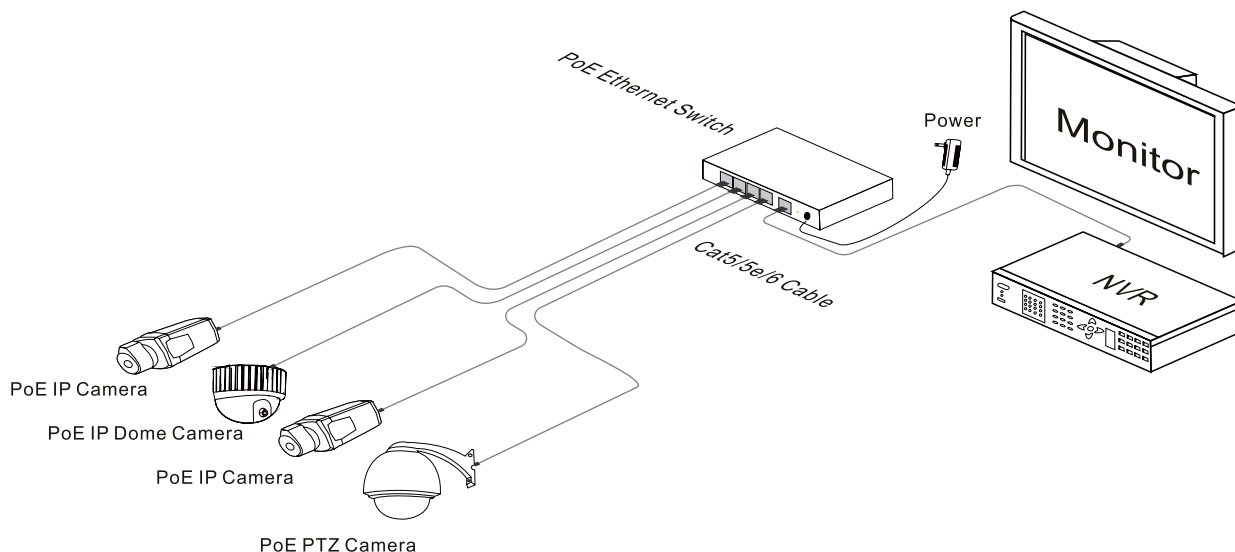
- The switch supports one-key function conversion, currently supports five modes, DEFAULT mode, VLAN mode, EXTEND mode, WATCHDOG mode, QOS mode.  
DEFAULT: Normal mode, no special function (Normal mode all switch down).  
VLAN : 1-4 port will not communicate with each other only communicate with uplink port.  
It will control the Net storm, protect the information security.  
EXTEND: the 1-4 ports communicate with each other and with the uplink ports; the 1-4 ports can transmit 250 m with Cat5e / 6 cable or better.  
WATCHDOG: WATCHDOG The network port has a link but for 2-3 minutes with no data transmission, restart the POE port. Originally has already had LINK but disconnected for 2-3 minutes without link, restart the POE port.  
QOS: QOS is the specified port with port data priority, priority is higher than other ports, other ports data priority is equal. For example, 4 ports and 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 IEEE802.3, IEEE 802.3u, IEEE 802.3ab, IEEE802.3af, IEEE802.3at.
- Provides 5 10/100/1000Base-T ports.
- Provides 4 PoE+ injectors and 65W power adapter.
- High back-plane bandwidth 10Gbps.



**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 S7005-4P-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 Gigabit 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	<5W
Ethernet	Speed	1~5 Port : 10/100/1000Mbps Uplink: 10/100/1000Mbps
	Transmission Distance	100Meter (328ft)
Network Switch	Ethernet Standard	IEEE 802.3/802.3u/802.3ab/802.3af/at
	Switching capacity	10G
	Transfer Rate	14,880pps for 10Mbps 148,800pps for 100Mbps 1,488,000pps for 1000Mbps
	MAC Address	2K MAC address table
	On Green	The port is connecting
LINK / ACT	Blinks -	The port is receiving or transmitting data
	Off -	The port is not linked successfully with the device
POE	On Orange	PD is connected
	Off -	No PD is connected or power forwarding fails
	Capacity	60W
	PoE Pin Assignment	V+(RJ45 Pin 1,2), V-(RJ45 Pin 3,6)
Environment	Working Temperature	0~40 °C
	Storage Temperature	-40~70 °C
	Humidity Non condensing	0~90%
Mechanical	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.

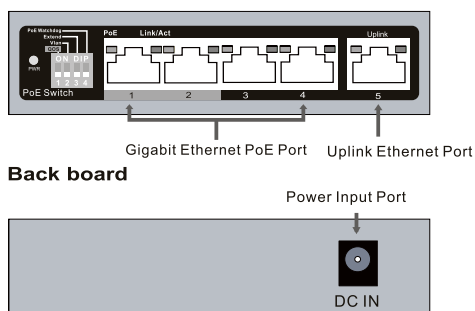
- 5-Port Gigabit PoE Switch 1pcs
- Power adaptor 1pcs
- AC power cable 1pcs
- Accessory 1pcs
- User manual 1pcs

### 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

5-Port Gigabit Switch



## 6 Troubleshooting

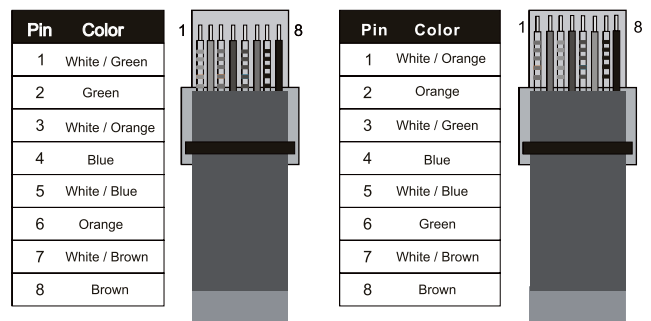
Please follow the steps if the equipment has trouble

- 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 Gigabit 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.



EIA / TIA 568A

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.