

# Quick Start Guide



## 10-Port Fast Ethernet PoE Switch

## 1 Features

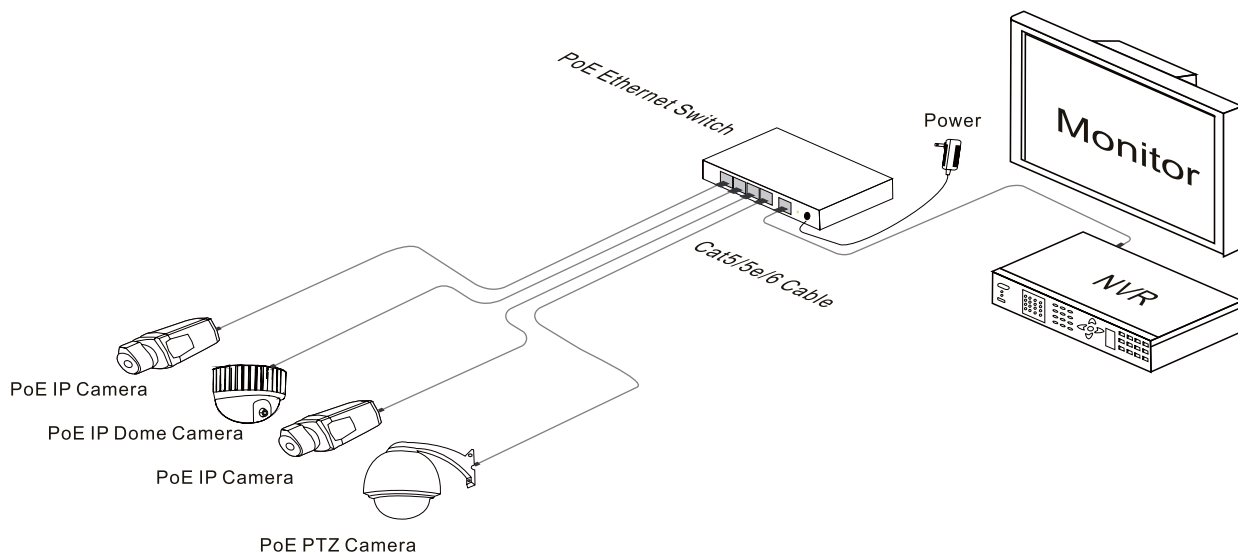
- The switch supports one-key function conversion, currently supports five modes, DEFAULT mode, VLAN mode, EXTEND mode, WATCHDOG mode, QOS mode.  
DEFAULT: Normal mode, no special function (Normal mode all switch down)  
VLAN: 1-8 port will not communicate with each other only communicate with uplink port. It will control the Net storm, protect the information security.  
EXTEND: the 1-8 ports communicate with each other and with the uplink ports; the 1-8 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, 8 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 IEEE 802.3, IEEE 802.3u, IEEE 802.3af, IEEE 802.3at.
- Provides 8 10/100Base-TX ports and 2 10/100/1000 Base-T ports.
- Provides 8 PoE+ injectors and 120W power adapter.
- High back-plane bandwidth 5.6Gbps.
- IEEE 802.3x Flow control.
- Surge protection for power port and data ports.



**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 8-port 10/100Mbps + 2 10/100/1000Mbps Ethernet switch, featuring 8 PoE ports, is designed for high-definition security surveillance and Ethernet-based security projects. This product perfectly integrates features essential for security surveillance, offering rapid packet forwarding and substantial backplane bandwidth. These capabilities ensure the delivery of clear images and smooth video transmission.



## 3 Specifications

Item		Description
Power	Power supply	External Power Adaptor
	Voltage Range	DC 48-57V
	Consumption	<6W
Ethernet	Speed	1~8 Port : 10/100Mbps Uplink: 10/100/1000Mbps
	Transmission Distance	1-8Port 100Meters with 100Mbps Uplink:100Meter with 100Mbps
	MAC Address	4K MAC address table
Network Switch	Ethernet Standard	IEEE 802.3 / IEEE 802.3u / IEEE 802.3af / IEEE 802.3at
	Switching capacity	5.6G
	Transfer Rate	14,880pps for 10Mbps
		148,800pps for 100Mbps
		1,488,000pps for 1000Mbps
G1,G2	On	Green/Orange The port is connecting, Orange is 10/ 100Mbps , Green is 1000Mbps
	On	Green The port is connecting
	Blinks	- The port is receiving or transmitting data
LINK / ACT	Off	- The port is not linked successfully with the device
	On	Orange PD is connected
	Off	- No PD is connected or power forwarding fails
POE (12,36)	Capacity	114W
	Working Temperature	0~40 °C
	Storage Temperature	-40~70 °C
Enviro-nment	Humidity Non Condensing	0~90%
	Dimension	190 x 100 x 28mm
	Color	Black

Specifications are subject to change without prior notice

## 4 Installation Steps

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

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

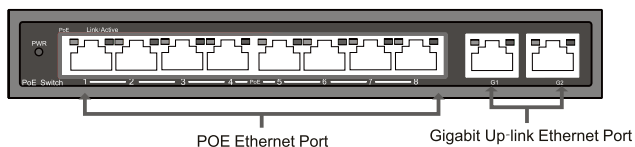
### Please follow the below installation steps

- 1) Please turn off the power signal and the display device's power before installation. Please note: Installing with the power on will damage the equipment.
- 2) Use a network cable to connect the PoE IP camera or other devices to 1-8 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 AC cable to the unit.
- 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 PoE Switch has power and works properly.

## 5 Board Diagram

8-Port Fast Ethernet + 2 Gigabit Uplink Switch with 8-PoE

### Front board



### Back board



## 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 10 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 2cm of the insulating layer and bare 8 pairs UTP cable.
- 2) Separate the 8 pairs of UTP cable and straighten.
- 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.
- 7) Repeat above steps to make additional ends.
- 8) Use network tester to test the cable.

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

EIA / TIA 568A EIA / TIA 568B



### Notice:

When choosing an RJ45, ensure that if one end is EIA/TIA568A, the other end is also EIA/TIA568A.

When choosing an RJ45, ensure that if one end is EIA/TIA568B, the other end is also EIA/TIA568B.