

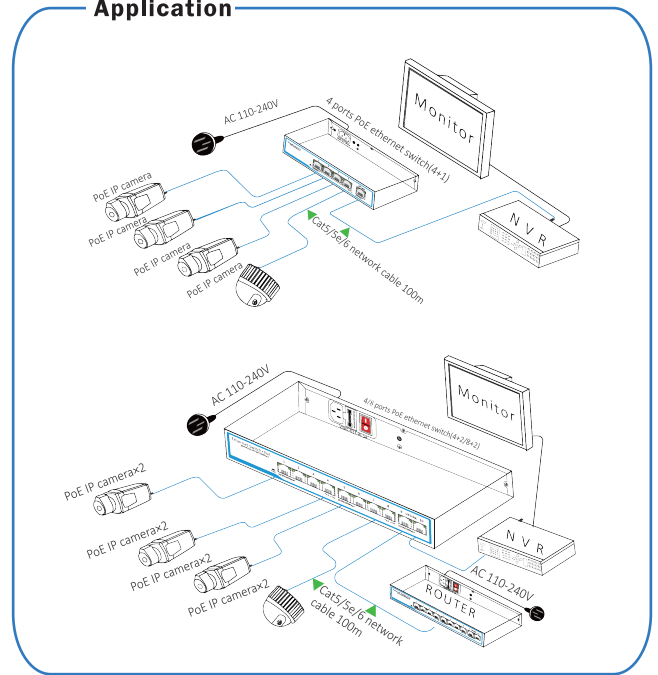
4/8 Port Full Gigabit PoE Switch is an unmanaged Ethernet switch designed for Gigabit Ethernet access and PoE applications, It provides 4/8 Gigabit downlink ports, and one/two/three Gigabit uplink Ethernet port. The 4/8 downlink ports support 802.3af/at standard and feature Max 30W PoE power output of single port, Max 65W/120W/150W/250W of whole machine, it can be widely used in security surveillance, hotels, schools, engineering and other occasions.

## 4/8Port Full Gigabit POE Ethernet Switch

User Manual

VerB 1.0

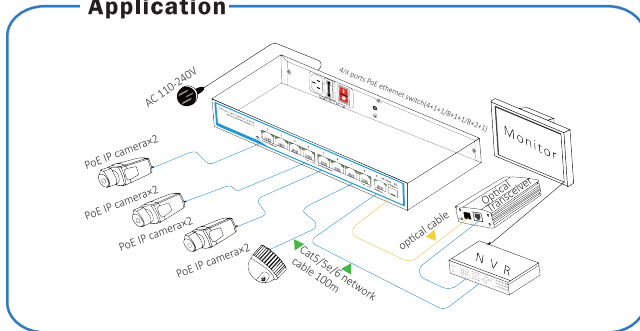
### Application



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### Application



### Feature

- Major ports: 4x 10/100/1000Mbps PoE ports, 1x 10/100/1000Mbps uplink port, every port supports MDI/MDIX;(4+1)  
4x 10/100/1000Mbps PoE ports, 2x 10/100/1000Mbps uplink port, every port supports MDI/MDIX;(4+2)  
4x 10/100/1000Mbps PoE ports, 1x 10/100/1000Mbps uplink port, 1x 10/100/1000Mbps SPF port, every port supports MDI/MDIX;(4+1+1)  
8x 10/100/1000Mbps PoE ports, 2x 10/100/1000Mbps uplink port, every port supports MDI/MDIX;(8+2)  
8x 10/100/1000Mbps PoE ports, 1x 10/100/1000Mbps uplink port, 1x 10/100/1000Mbps SPF port every port supports MDI/MDIX;(8+1+1)  
8x 10/100/1000Mbps PoE ports, 2x 10/100/1000Mbps uplink port, 1x 10/100/1000Mbps SPF port every port supports MDI/MDIX;(8+2+1)
- Special function: downlink ports can only communicate with uplink ports;
- Standard: IEEE802.3af/at, POE pin: 1/2+3/6- (End-span), the remaining lines (4,5,7,8) can be used for other program;
- Protection: Excellent anti thunder, anti static and anti-interference ability;
- Smart Design, With anti-theft lock, Easy installation;
- Operation: Plug and Play, No Setting required;

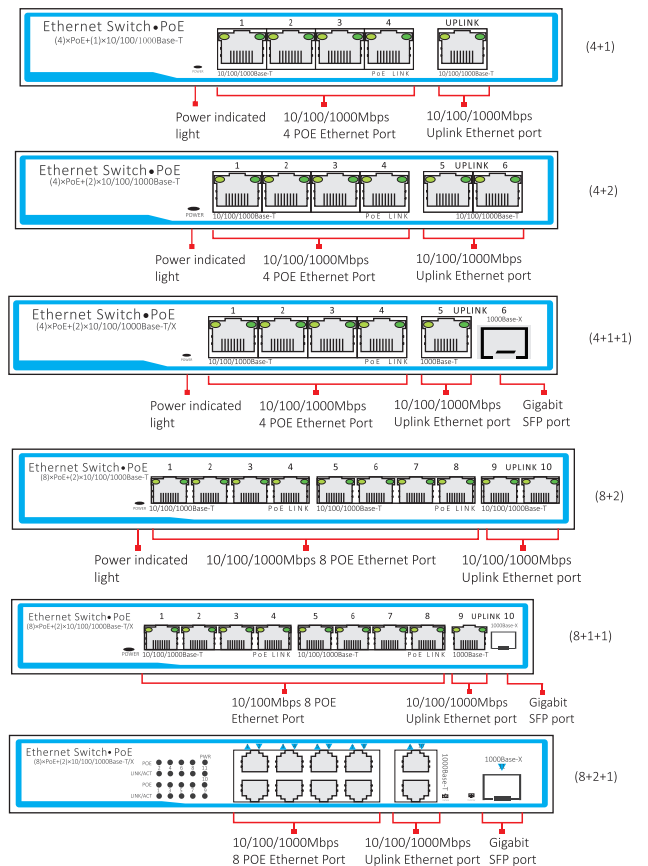
### Notice

The transmission distance is related to the connected cable. We suggest standard Cat5e/6 network cable to make sure transmission distance can up to longest!

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### Board Diagram

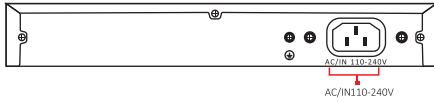
#### Front panel



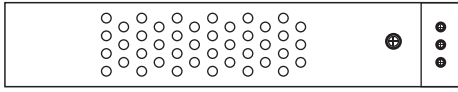
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## 4/8Port Full Gigabit POE Ethernet Switch

### Back panel



### Side panel



### Notice

- 1) Device must be connected with lightning protection grounding, otherwise protection level will reduce; please use above No.20 wire to connect the grounding terminal.
- 2) Turn the dial switch for left, the equipment can enter surveillance module after providing equipment power.

### Installation steps

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

- PoE Ethernet Switch 1pcs
- AC power cable 1pcs
- Accessory 1pcs
- User manual 1pcs

Please follow the below installation steps

- 1) Please turn off the signal source and the device's power before installing, installation with power on may damage the device;
- 2) Use network cable connect PoE IP camera and 1~4 downlink ports of product respectively;
- 3) Use a network cable connect equipment uplink port with NVR or computer;
- 4) Connect power adapter;
- 5) Check if the installation is correct, equipment is in good condition, the connection is stable, then power on for system;
- 6) Ensure the Ethernet equipment with power on can work properly.

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## 4/8Port Full Gigabit POE Ethernet Switch

### Specification

Model	Description					
	4 Ports POE Ethernet Switch			8 Ports POE Ethernet Switch		
Item	4+1	4+2	4+1+1	8+2	8+1+1	8+2+1
Power	Power Adapter Voltage AC 110V-240V					
	Consumption 65W/120W 150W/250W 120W					
Network Connector	POE Ethernet Port		1 ~ 4 Port : 10/100/1000Mbps			1 ~ 8 Port : 10/100/1000Mbps
	Network Port	Ethernet port	Uplink Port : 2x10/100/1000 Mbps	Uplink Port : 2x10/100/1000 Mbps	Uplink Port : 1x10/100/1000 Mbps, 1x Gigabit SFP Port	Uplink Port : 2x10/100/1000 Mbps, 1x Gigabit SFP Port
			1 ~ 4 Port : 100m			1 ~ 8 Port : 100m
	Transmission Distance Ethernet Uplink port:0~100m/SFP Uplink port:depends on the optical module					
Transmission Medium Cat5/5e/6 standard network cable						
Network Switch	Network Standard IEEE 802.3/802.3u, IEEE 802.3x, IEEE 802.1p, IEEE 802.3az					
	Switching Capacity		10Gbps		12Gbps	
	Packet Forwarding Rate		7.44Mpps		8.93Gbps	
	MAC Table		2K		4K	
Power Over Etherne	POE Standard IEEE 802.3af/at					
	POE Power Supply Type End-Span(1/2+;3/6-)					
	POE Power af=15.4W/at=30W(every port)					
LED Status Indicator VLAN/Exten	PoE Ethernet LED Indicator					
	Power: 1 red light indicates that the power normal work;					
	5 green lights indicate that the Ethernet link and act;		6 green lights indicate that the Ethernet link and act;		10 green lights indicate that the Ethernet link and act;	
Environmental	Working temperature		0°C~55°C			
	Relative Humidity		20~95%			
	Storage temperature		-20°C~70°C			
Mechanical	Dimension (L×W×H)		201mm×120mm×41mm		284 mm ×180 mm ×44mm	
	Color		Black			
	Weight		605g		609g	
Stability	MTBF		>30000h			

Specification change will not be noticed

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## 4/8Port Full Gigabit POE Ethernet Switch

### Trouble Shooting

Please follow the steps if the equipment has trouble.

- Make sure the equipment is installed according to the manufactures installation guide.
- Confirm RJ45 cable order meets EIA/TIA568A 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 than 30W.
- Replace the equipment with a proper functioning 4 ports PoE Ethernet Switch to check if the equipment is damaged.
- Please contact your vendor if trouble still exists.

### Plug Producing Method

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

- 1) Please remove 2cm long the insulating layer, and bare 4 pairs UTP cable;
- 2) Separate the 4 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 5 steps to make the another end;
- 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 choose RJ45 make sure if one end is EIA/TIA568A,the other end should also be EIA/TIA568A.

When choose RJ45 make sure if one end is EIA/TIA568B,the other end should also be EIA/TIA568B.

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