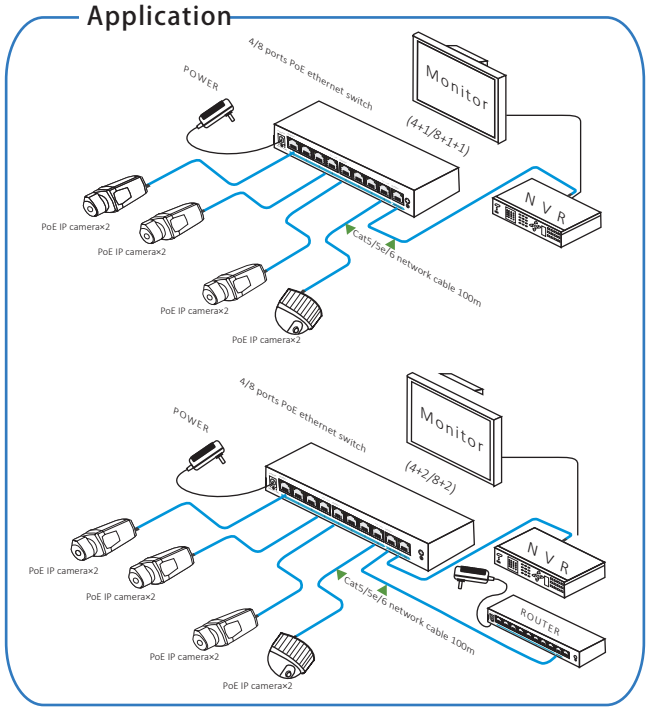
4/8Port Full Gigabit POE Ethernet Switch

User Manual VerB 1.0

4/8POE is compact The 4/8 Ports Full Gigabit PoE Ethernet Switch is an unmanaged Ethernet switch designed for Gigabit Ethernet access and PoE applications. It provides 4/8 Gigabit downlink ports, and one/two 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 60W/120W of whole machine. It can be widely used in security surveillance, hotels, schools, engineering and other occasions.

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)
  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)
- 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;

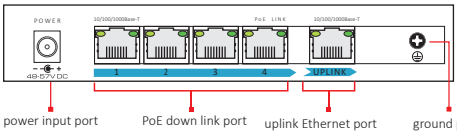
Notice

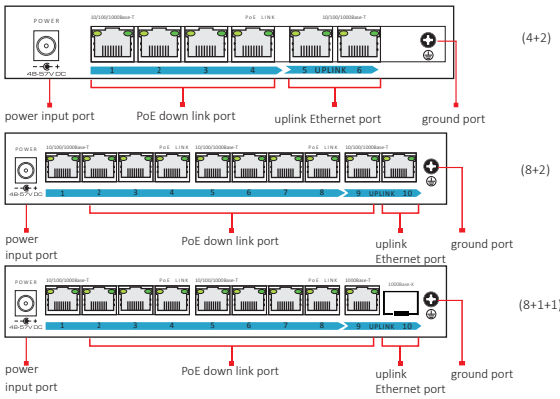
The transmission distance is related to the connected cable.We suggest standard Cat5e/6 network cable to make sure transmission distance can up to longest!

Board Diagram

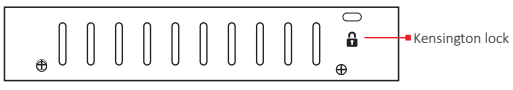
▶Front panel

▶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
• Power adaptor	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.

Specification

Item \ Model			Description			
			4 Ports POE Ethernet Switch		8 Ports POE Ethernet Switch	
			4+1	4+2	8+2	8+1+1
Power	Power Adapter Voltage		48-57V DC			
	Consumption		65W/120W		120W	
Network Connector	Network Port	POE Ethernet Port	1 ~ 4 Port : 10/100/1000Mbps		1 ~ 8 Port : 10/100/1000Mbps	
		Ethernet port	Uplink Port : 10/100/1000Mbps			Uplink Port : two Ethernet 1000Mbps one SFP 1000Mbps
	Transmission Distance		1 ~ 4 Port :10/100/1000Mbps:0 ~ 100m 1 ~ 8 Port :10/100/1000Mbps:0 ~ 100m			
			Ethernet Uplink port:0~100m/SFP Uplink pork:depends on the optical module			
	Transmission Medium		Cat5/5e/6 standard network cable			
Network Switch	Network Standard		IEEE 802.3, IEEE 802.3u,IEEE 802.1ab, IEEE 802.3x			
	Switching Capacity		10Gbps	12Gbps	20Gbps	
	Packet Forwarding Rate		7.44Mpps	8.93Gbps	14Gbps	
	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;			
			POE: 4 yellow lights indicate that the POE is power on;		POE: 8 yellow lights indicate that the POE is power on;	
			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℃~55℃			
	Relative Humidity		20~95%			
	Storage temperature		-20℃~70℃			
Mechanical	Dimension (L×W×H)		135 mm *89 mm *27mm		208 mm *96 mm *27mm	
	Color		Black			
	Weight		275g	282g	420g	
Stability			>30000h			

Specification change will not be noticed

Trouble Shooting

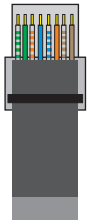
Please follow the steps if the equipment has trouble.

- 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.