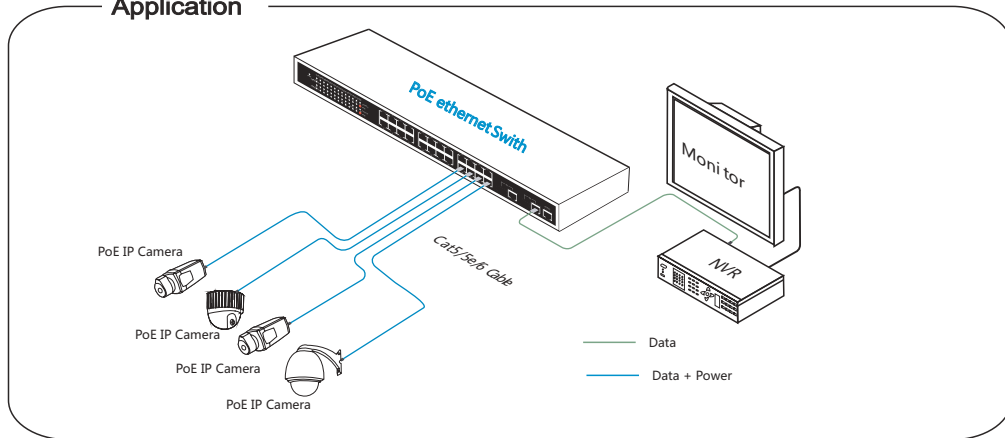


48 x 1G POE ports + 4 x 10G SFP ports PoE Switch User Manual

The device, an managed POE switch, is designed for the edge of the access and LAN to provide high-quality network connections., an managed POE switch, is designed for the edge of the access and LAN to provide high-quality network connections. The device provides 48 10/100/1000Base-T ports and 4 10Gigabit SFP+, It provides 48 PoE Injector.

Application



Feature

- Conforms to IEEE802.3, IEEE 802.3u, IEEE802.3ab, IEEE802.3x, IEEE802.3z, IEEE802.3af/at/bt, IEEE802.3ad
- Provides 48 10/100/1000Base-T ports and 4 10Gigabit SFP+
- Provides 48 PoE ports, 1-4 ports support IEEE802.3af/at/bt, 5-48 ports support IEEE802.3af/at, 800W Built-in power supply
- High back-plane bandwidth 176 Gbps
- IEEE802.3x Flow control
- Surge protection for power port and data ports

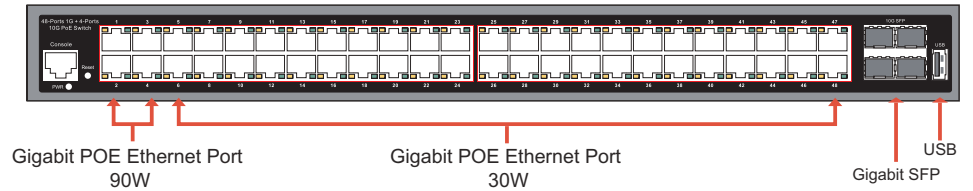
Notice

The transmission distance is related to the connected cable. We suggest standard Cat5e / 6 network cable and quality of camera so the transmission distance can up to furthest

Board Diagram

48 RJ-45 10/100/1000M and 4 SPF+ ports with 48 POE Port Switch

Front board



Back board



Installation steps

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

- | | |
|--|------|
| ● 48 RJ-45 10/100/1000M and 4 SPF+ ports with 48 POE Port Switch | 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 network cable connect PoE IP camera and 1 ~48 ports of product respectively
- 3) Use a network cable connect equipment up link port and NVR or computer ;
- 4) Connect AC power;
- 5) Check if the installation is correct equipment is in good condition the connection is stable then provide power for system;
- 6) Ensure the Ethernet equipment with power and work properly.

Specification

Item		Description	
Power	Power supply	Built-in power supply	
	Voltage Range	AC100~240V	
	Consumption	800W (770W for PoE)	
	POE output for each port	Port 1- 4 support for IEEE802.3 af/at/bt and power up to 95W Port 5-48 support for IEEE802.3af/at and power up to 30W	
Ethernet	Speed	1~48 Port: 10/100/1000Mbps 10G SFP: 10G SFP Port	
	Transmission Distanc	100Meter(328ft)for RJ-45 2Km 20Km for SFP Port The optical module is optional	
Network Switch	Ethernet Standard	IEEE 802.3 / 802.3u / 802.3ab / 802.3x / 802.3z / 802.3af/at/bt / 802.3ad	
	Switching capacity	176G	
	Transfer Rate		14,880pps for 10Mbps
			148,800pps for 100Mbps
			1,488,000pps for 1000Mbps
		1,488,000pps for 10000Mbps	
MAC Address	32K MAC address table		
LINK/ACT	On	Green	The port is connecting
	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
	PoE pin assignmnet	IEEE 802.3af/at/:2 pairs V+ (RJ45 Pin 1, 2), V- (RJ45 Pin 3, 6) IEEE 802.3bt/:4 pairs V+ (RJ45 Pin 1, 2), V- (RJ45 Pin 3, 6) V+ (RJ45 Pin 4, 5), V- (RJ45 Pin 7, 8)	
Environment	Working Temperature	0~40℃	
	Storage Temperature	-40~70℃	
	Humidity Non condensing	0~90%	
Mechanical	Dimension	440 x 300 x 44mm	
	Color	Black	

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.
- 1-4 port can provide PoE equipment maximum power maximum power less than 95W , other PoE port can provide PoE equipment maximum power less than 30W, please do notconnect the PoE equipment over maximum power.
- Replace the equipment with a proper functioning 48 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.

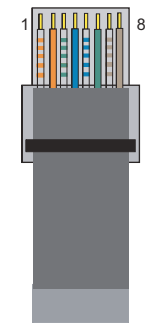
- 1 Please remove 2cm long the insulating layer and bare 8 pairs UTP cable
- 2 Separate the 8 pairs UTP cable and straighten them
- 3 Line up the 8 pieces of cables per EIA TIA 568A or 568B
- 4 Cut off the cables to leave 1.5cm bare wire
- 5 Plug 8 cables into RJ45 plug make sure each cable is in each pin
- 6 Use the wire crimper to crimp it
- 7 Repeat above 9 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,