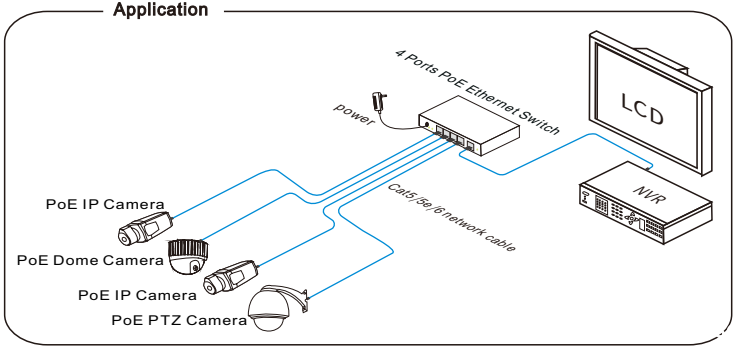
10/100Mbps Switch with 4-Port PoE
User Manual

13.238.101.1758
V2.0

This Product is an unmanaged PoE switch, provides 4*10/100Base-TX PoE ports + 1/2*10/100Base-TX RJ45 ports. Max PoE power output for single port is 30W, the total PoE power budget is 60W. Providing three operating modes (Default, VLAN, CCTV). The switch supports PoE watchdog under VLAN and CCTV mode. It improves the online rate of cameras.

Application



Feature

- 4*10/100Base-TX Ethernet ports (PoE ports) and 1/2*10/100Base-TX uplink port.
- Support IEEE802.3af/at standards, Max.30W output of single port.
- Three operating mode:

  Default: All ports can be communicated freely.

  VLAN: Port 1-4 are isolated respectively, but can communicate with uplink ports, support PoE watchdog.

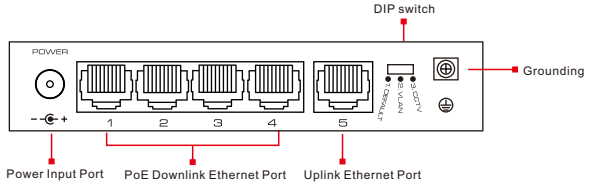
  CCTV: The transmission distance can be extended to 250 meter, while link speed of downlink ports 1~4 will be limited to 10Mbps(Uplink ports keep 100Mbps). Support PoE watchdog.
- 6KV surge protection, 8KV ESD immunity and anti-interference.
- Easy & safe installation: wall-mounting, desktop.
- Plug-and-play.

Notice

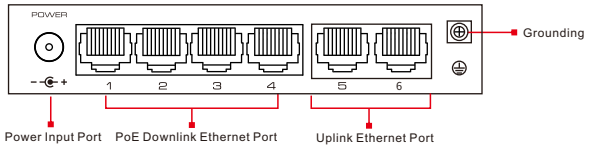
The transmission distance is related to the connected cable. We suggest standard Cat5e/6 network cable, so the transmission distance can up to100m!

Board Diagram

Front board of 4-port PoE Switch with 1 Uplink Port



Front board of 4-port PoE Switch with 2 Uplink Ports



Description:

The equipment must connect the ground according to the request.

Installation steps

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

● 4 ports PoE Ethernet switch	1pc
● Power adaptor	1pc
● AC power cable	1pc
● Accessory	1set
● User manual	1set

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 1~4 down link ports of product respectively.
3) Use a network cable connect equipment uplink port and NVR or computer.
4) Turn on the power of the equipment.
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

Model	4-port PoE Switch with 1 Uplink Port	4-port PoE Switch with 2 Uplink Ports
Downlink Ports	4*10/100Base-TX (PoE)	
Uplink Ports	1* 10/100Base-TX RJ45	2*10/100Base-TX RJ45
Standards	IEEE 802.3/802.3u/IEEE802.3x	
Switching Capacity	1Gbps	1.2Gbps
Packet Forwarding Rate	0.75Mpps	0.89Mpps
Forwarding Modes	Srore&Foward	
Packet Buffer	448kbits	
MAC Table	1k	
PoE Standard	802.3af/at(PSE)	
PoE Power Supply Type	End-span	
PoE Pin Assignment	1/2(+) , 3/6(-)	
PoE Output	Single PoE Output≤30W(52V DC), Whole machine PoE output≤60W	
Three Working Modes	1. Default: All ports can be communicated freely.	
	2.VLAN: Port 1-4 are isolated respectively, but can communicate with uplink ports, support PoE watchdog.	
	3.CCTV: The transmission distance can be extended to 250 meter, while link speed of downlink ports 1~4 will be limited to 10Mbps(Uplink ports keep 100Mbps). Support PoE watchdog.	
Surge Immunity	Common mode 6KV,Execute standard: IEC61000-4-5	
ESD Protection	Contact discharge 6K, Air discharge 8KV, Execute standard: IEC61000-4-2	
Input Voltage	DC 52V 1.2A	
Power Consumption	<63W	
Operating Temperature	-10℃~50℃	
Storage Temperature	-40℃~85℃	
Operating Humidity	5%~95%(Non-condensing)	
Dimensions (W * D * H)	122mm*92mm*25mm	
Material	Metal	
Weight	343g	

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 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

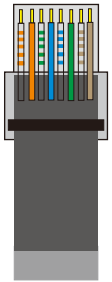
Instruments to be used: wire crimper, network tester. Wire sequence of RJ45 plug should conform with EIA/TIA568A or 568B.

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.