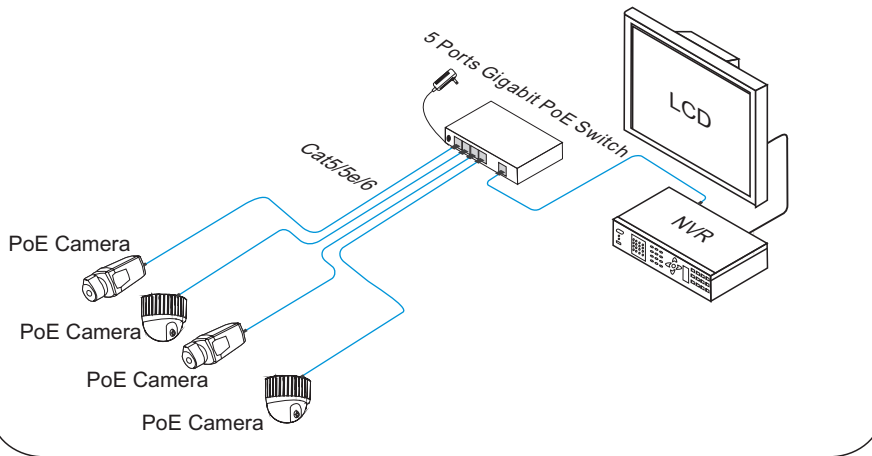


The P4S5G 5 Ports Gigabit PoE Switch is specifically designed for the application of high definition network security surveillance systems. The PoE switch provides 4 Gigabit downlink PoE ports that support 802.3at and 1 Gigabit uplink port. It's widely used in surveillance monitoring and Ethernet network solutions.

Application



Features

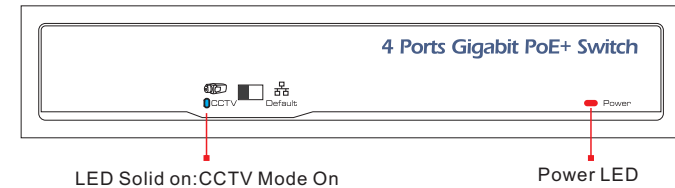
- Main Ports: 4x downlink gigabit PoE Ethernet ports, 1x uplink gigabit Ethernet port;
- Unique Feature: one-touch CCTV mode, which helps prevent network storm, initiate VLAN function and limits 1~4 downlink ports only able to communicate with uplink ports;
- Power Input: DC48V~57V;
- Transmission Distance: 0~328m;
- Standard: IEEE802.3, IEEE802.3u, IEEE 802.3ab, IEEE802.3 af, IEEE802.3at;
- Protection: Superior lightning protection(6KV), ESD protection and anti-interference ability;
- Structure: stable and delicate, easy to install;
- Operation: plug and play, no configuration needed.

Notice

The transmission distance depends on the signal source and cable quality; standard Cat5e/6 Ethernet cable is strongly suggested for reaching the maximum transmission distance!

Board Diagram

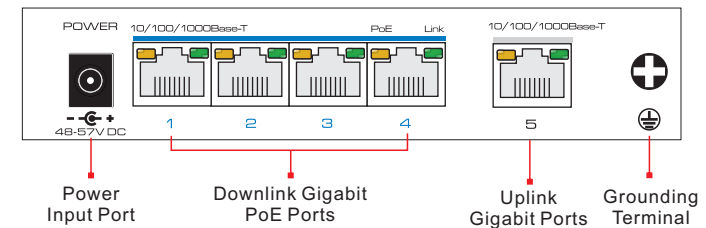
Front board



LED Solid on: CCTV Mode On

Power LED

Back Board



Notice

- 1) Device must be connected with lightning protection grounding; otherwise protection level will be greatly reduced; Please use thicker than 20AWG wire to connect the grounding terminal;
- 2) The device requires rebooting after the CCTV Mode Switch has been utilized.

Installation steps

Please check the following items before installation, if missing, please contact your distributor.

- | | |
|-------------------|-----|
| ● Ethernet Switch | 1pc |
| ● Power Adapter | 1pc |
| ● AC Power Cable | 1pc |
| ● Accessory | 1pc |
| ● User Manual | 1pc |

Please follow installation steps as below:

- 1) Turn off the power of all related devices before installation; Otherwise, you could damage your switch or devices.
- 2) Connect PoE IP cameras to the downlink ports 1-4 with Ethernet cable;
- 3) Connect UPLINK port with a Storage device, like NVR or PC, with Ethernet cable;
- 4) Connect power adapter ;
- 5) Double check the installation and connection of equipment is correct and the equipment is working properly, then power up system;
- 6) If any issues make sure the devices are powered and work properly.

Specifications

Item	Description
Downlink Ports	4x10/100/1000Base-T(PoE)
Uplink Ports	1x 10/100/1000Base-T
Network Standard	IEEE 802.3/IEEE802.3u/IEEE802.3ab/IEEE802.3x
Switch Capacity	10Gbps
Packet Forwarding Rate	7.44Mpps
Exchange Type	Storage & Forwarding
MAC Address List	2K
PoE Standard	802.3af/at(PSE)
PoE Mode	End-span
PoE Power Supply	1/2(+) , 3/6(-)
PoE Output	Single PoE Output≤30W(54V DC), Whole machine PoE output≤60W
CCTV Mode	Downlink ports only communicate with uplink ports
Surge Immunity	6KV : IEC61000-4-5
ESD Protection	Contact discharge 6K, Air discharge 8KV, Per: IEC61000-4-2
Voltage Input	DC 48V~57V
Power Consumption	5W
Operation Temperature	14°F to 131°F (-10°C to 55°C)
Storage Temperature	-40°F to 185°F (-40°C to 85°C)
Operation Humidity	5%-95%(Non-condensing)
Dimensions(LxWxH)	(L x W x H) (5.3" x 3.4" x 1") (135mm×85.6mm×27mm)
Material	Metal
Weight	0.7lbs (315g)

Troubleshooting

Please try the following if your device doesn't work as expected.

- Please confirm that the RJ45 cable is in accordance with the EIA/TIA568A or 568B industry standards;
- The maximum power of each PoE port is no more than 30W; please do not connect a PoE device which exceeds the maximum PoE power;
- Please replace a failed device with a properly functioning one to check if the device is broken;
- If the problem still exists, please contact technical support.

RJ45 Creation Method

Tools to make RJ45: wire crimper, network tester.

Wire sequence of RJ45 plug should conform with EIA/TIA568A or EIA/TIA568B standard.

- 1) Strip off the insulation layer to expose the 4 pairs UTP cable;
- 2) Separate the 4 pairs of UTP cable and straighten them;
- 3) Line up the 8 separated pieces of cables per EIA/TIA 568A or 568B;
- 4) Cut the cables to leave 0.5" bare wire and make sure 8 thread ends are flat and neat ;
- 5) Insert 8 cables into RJ45 plugs, make sure each cable is inserted in each pin;
- 6) Use wire crimper to crimp the RJ45;
- 7) Do the above steps again to terminate the other end of the twisted pair and make sure of a consistent cable order between two ends
- 8) Use a network tester to test the cable.

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

- Make sure both ends use EIA/TIA568A connection method when using RJ45 port.
- Make sure both ends use EIA/TIA568B connection method when using RJ45 port.