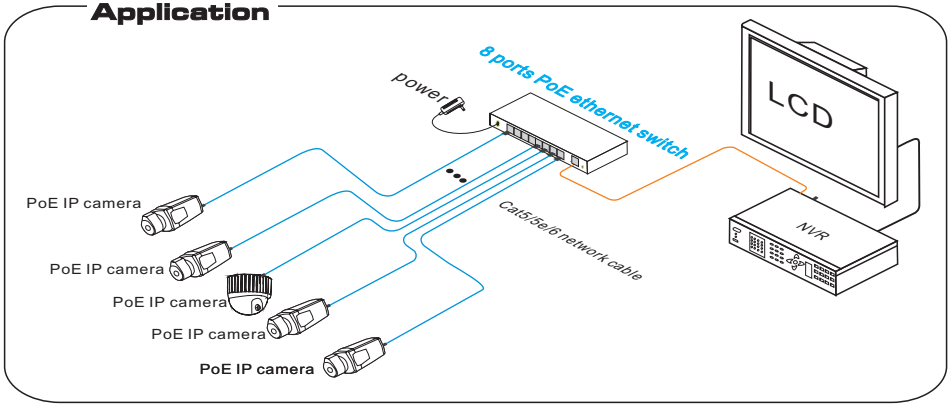
8 Port PoE Switch
Model: CP-TNW-HP8F1-12

CP PLUS

8 ports PoE Ethernet Switch is a security surveillance Ethernet Switch which aims at Ethernet high definition surveillance and Ethernet project security system. The product fully combines the characteristics of security surveillance, provides fast packet forwarding ability and abundant backplane bandwidth, which ensures clear image and fluent transmission. ESD and surge protection circuit can improve product stability. The product supports one key CCTV model, can achieve VLAN, control the Net storm, protect the information security, prevent the viral transmission and Ethernet attack, fully satisfy the Ethernet video security surveillance system and Ethernet project needs.

Application



Feature

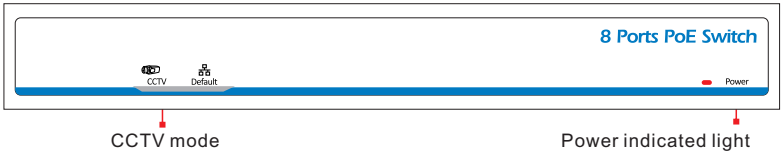
- Major ports: 1pc 100Mbps uplink SFP port, 8 pcs100Mbps downlink Ethernet ports , every port supports MDI/MDIX;
- One key CCTV mode; 1 ~ 8 downlink ports can only communicate with uplink ports; Restrain network storm under 3Mbps;Extend downlink ports transmission distance to 250m;
- Power input: DC48V ~ 57V;
- Standard: Meet IEEE802.3 、IEEE802.3u、IEEE802.3 af/at standards, PoE use End-Span, the spare cable can be of other use;
- Protection: Excellent anti-thunder, anti-static and anti-interference ability;
- Appearance: Delicate design and easy installation, configure the anti-theft lock hole, guard against theft;
- Operation: Plug and Play, No Setting required.

※ Notice

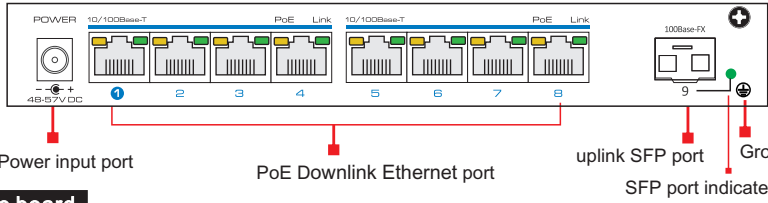
The transmission distance depends on the signal source and cable quality; standard Cat5e/6 Ethernet cable is strongly suggested for reaching the maximum transmission distance! Every 100 mtr each power port drop will be approx 3 to 5 watts. After 250 mtr available POE power will be approx. 15W to 20W at each IPC side.

Board Diagram

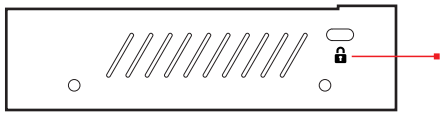
Front board



Back board



Side board



Notice

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

Installation step

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

- 8 ports PoE Ethernet Switch 1pc
- Power adaptor 1pc
- AC power cable 1pc
- User manual 1pc

Please follow below the installation steps

1) lease turn off the signal power and display device power before installation, installation with power will damage the transmission equipment;
2) se network cable connect PoE IP camera and 1 ~ 8 downlink ports of product respectively;
3) se a network cable connect equipment uplink port and NVR or computer;
4) onnect power adapter;
5) heck if the installation is correct, equipment is in good condition, the connection is stable, then provide power for system;
6) nsure the Ethernet equipment with power and work properly.

Specification

Item	Description
Downlink Ports	8x10/100Base-TX Ethernet Ports(PoE)
Uplink Ports	1x 10/100Base-X (SFP)
Network Standard	IEEE 802.3/802.3u/IEEE802.3x
Switch Capacity	1.8Gbps
Packet Forwarding Rate	1.34Mpps
Exchange Type	Storage&Fowarding
Buffer	768k
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≤120W
CCTV Mode	1. Downlink ports only communicate with uplink ports
	2.Extend transmission distance to 250m※ (Downlink Ports)
	3.Rate:10Mbps(Downlink 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	-10℃~+55℃
Storage Temperature	-40℃~+85℃
Operation Humidity	5%-95%(Non-condensing)
Dimensions(LxWxH)	200mm×101.8mm×27mm
Material	Metal
Color	Gray
Weight	500g

Troubleshoot

Please follow this step if the equipment have trouble.

- Make sure the equipment is installed according to the manufactures installation guide.
- Confirm RJ45 cable order meet 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 that can not work with a proper functioning 8port PoE Ethernet switch to check if the equipment is damaged.

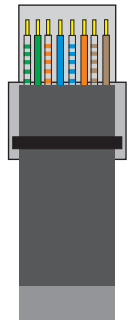
Please contact your vendor if trouble still exists.

Plug Producing Method

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

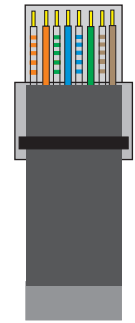
1) Please remove 2cm long the insulating layer, and bare 4 pairs UTP cable;
2) Separate the 4 pairs UTP cable and straighten them;
3) Line up the 8 pieces of cables per EIA/TIA 568A or 568B;
4) Cut off the cables to leave 1.5cm bare wire;
5) Plug 8 cables into RJ45 plug, make sure each cable is in each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

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