



**8 PORTS POE SWITCH**

**GE-P8002FG/SFP-UT**



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**8 Ports PoE Switch**



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## Introduction

8 ports Full Gigabit PoE 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. Inserted static, surge protection circuit can improve product stability. The product supports one key CCTV model, can achieve VLAN, QoS priority after configuration, 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.

### Specification

Item	Description
Downlink Ports	8x10/100Base-TX (PoE)
Uplink Ports	1x 10/100Base-TX
Network Standard	IEEE 802.3/802.3u/IEEE802.3x
Switch Capacity	20Gbps
Packet Forwarding Rate	14Mpps
Exchange Type	Storage&Forwarding
Buffer	1M
MAC Address List	4K
PoE Standard	802.3af/at(PSE)
PoE Standard	802.3af/at(PSE)
PoE Mode	End-span
PoE Power Supply	1/2(+), 3/6(-)
PoE Output	Single PoE Outputs≤30W(54V DC), Whole machine PoE out-
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
ESD Protection	Contact discharge 6K, Air discharge 8KV, Per: IEC61000-4-2
Voltage Input	DC 48V~57V
Power Consumption	5W
Operation Temperature	-10c~+55c
Storage Temperature	-40c~+85c
Operation Humidity	5%-95%(Non-condensing)
Dimensions(LxWxH)	200mm×101.8mm×27mm
Material	Metal
Weight	500g

### Feature

- ❖ Major ports: 1pc 100Mbps uplink Ethernet port, 8 pcs100Mbps downlink Ethernet 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, Operation: Plug and Play, No Setting required.

### Installation steps

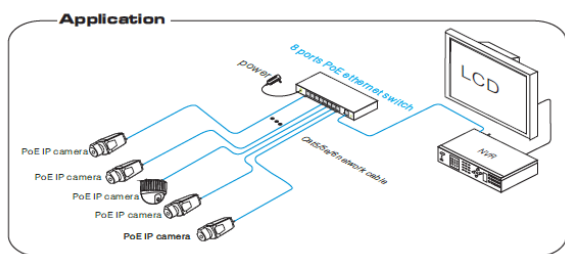
Please check the following items before installation, if it is missing,

- ❖ please contact the dealer.
- 8 ports PoE Ethernet Switch 1pcs
- ❖ Power adaptor 1pcs
- ❖ AC Power Cable 1pcs
- ❖ Accessories 1pcs
- ❖ User Manual 1pcs

Please follow installation steps as below:

- ❖ Please turn off the signal power and display device power before installation, installation with power will damage the transmission equipment;
- ❖ Use network cable connect PoE IP camera and 1~8 downlink ports of product respectively;
- ❖ Use a network cable connect equipment uplink port and NVR or computer; Connect power adapter;
- ❖ Check if the installation is correct, equipment is in good condition, the connection is stable, then provide power for system;
- ❖ Ensure the Ethernet equipment with power and work properly.

### Application



### Board Diagram

#### Front Board



CCTV mode

Power indicated light

#### Back Board



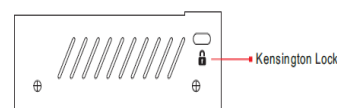
Power input port

PoE down link Ethernet port

Uplink Ethernet port

Ground

#### Side Board



Kensington Lock

## Troubleshooting

Please follow these steps if the equipment has trouble.

- ❖ Please make sure you have followed the instruction to install the device;
- ❖ Please confirm if the RJ45 cable order is in accordance with the EIA/TIA568A or 568B industry standards;
- ❖ The power supply of each PoE port is no more than 30W; please do not connect the PoE device which exceeds the maximum PoE power supply;
- ❖ Please replace a failure device with a proper one to check if the device is broken;
- ❖ Please contact your vendor if trouble still exists.

## RJ 45 Making Method

Tools to make RJ45: wire crimper, network tester.

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

- ❖ Strip off the 2cm insulating layer to expose the 4 pairs UTP cable;
- ❖ Separate the 4 pairs of UTP cable and straighten them;
- ❖ Line up the 8 separated pieces of cables per EIA/TIA 568A or 568B;
- ❖ Cut the cables to leave 1.5cm bare wire and make sure 8 thread ends are flat and neat ;
- ❖ Insert 8 cables into RJ45 plugs, make sure each cable is inserted in each pin;
- ❖ Then use wire crimper to crimp the RJ45;
- ❖ Do the above 5 steps again to make the another end of the twisted pair and make sure consistent cable order between two ends ;
- ❖ Using 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