

8 PORTS POE SWITCH

GE-P8002G-UT



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8 Ports PoE Switch



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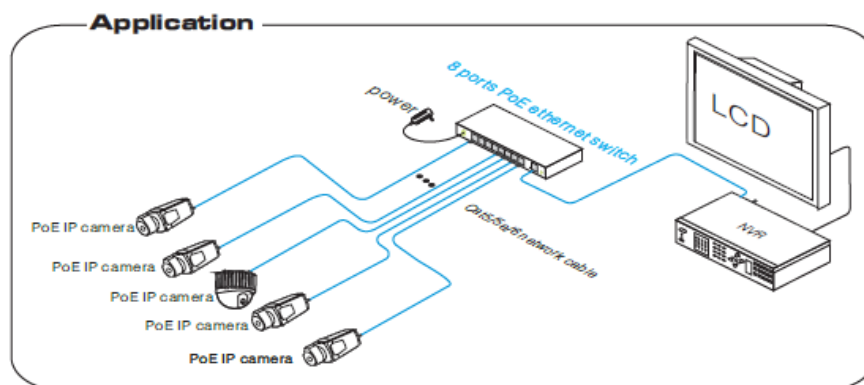
Introduction

The 8 ports PoE Ethernet Switch with 8 downlink PoE ports and double 1000Mbps uplink ports is a security surveillance Ethernet Switch which is applied in high definition network surveillance and security system. The product fully combines the characteristics of security surveillance, provides fast packet forwarding rate and up to 7G backplane bandwidth, which ensures clear image and fluent video transmission. Besides, the 8 downlink PoE ports support IEEE802.3af/at standard, and the double 1000Mbps uplink ports are reliable assurance for connection between the surveillance system and external network connection. The ESD, 6KV lightning protection and surge protection circuits improve product stability. Also the device supports one key CCTV mode which realizes VLAN function, restrains the network storm, protects the information security, prevents the virus spread and cyber attack, fully satisfies the Ethernet video security surveillance system and Ethernet projects needs. 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.

Feature

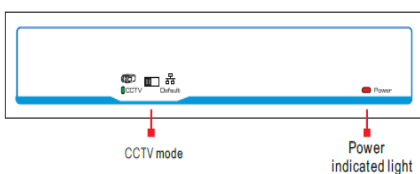
- ❖ Major ports 2* Gigabit uplink Ethernet ports, which design is convenient to connect external network system; 8* 10/100Mbps downlink PoE Ethernet ports, each of them supports MDI/MDIX;
- ❖ Special Function One Key CCTV Mode: Support VLAN and restrain network storm; 1~8 downlink ports can only communicate with uplink ports; the further transmission distance up to 250m in CCTV mode with the transmission speed rate 10Mbps;
- ❖ Input Power DC48V~57V;
- ❖ Transmission Distance: In Default mode, the distance of Ethernet port is 100m; In CCTV mode, the distance of downlink 1~8 ports up to 250m;
- ❖ Standard Accord with IEEE802.3, IEEE802.3u, IEEE802.3af, IEEE802.3at standard; PoE meets End-Span;
- ❖ Protection superior lightning protection up to 6KV, excellent ESD protection and anti-interference ability.

Application

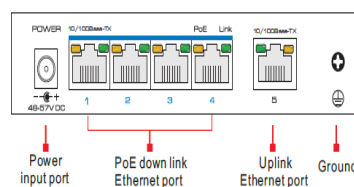


Board Diagram

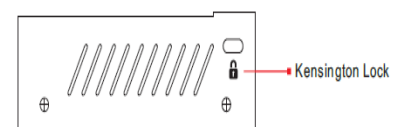
Front Board



Back Board



Side Board



Specification

Item		Description
Power	Power Supply	Power Adaptor
	Voltage Range	DC48V~54V
	Consumption	<5W
Port Parameter	Rate	1~8 Downlink Ethernet port:10/100Mbps 9~10uplink Ethernet port:10/100/1000Mbps
	Transmission Distance	Downlink Ethernet port:0~250m CCTV 0~100m (Default) Uplink Ethernet port:0~100m
	PoE Ports	RJ45 Ports with 30u Gold-plated Flattened Pin,Satisfy
Ethernet Exchange	Ethernet Standard	IEEE 802.3/802.3u/IEEE802.3 af/at
	Backplane Bandwidth	7G
	Packet Forwarding Rate	4.166Mbps
	Data Package Cache	1.5Mb
	MAC	4K
	Pluse Group	-40 ~85
Indicator LED	Power LED	1pcs (Red)
	Ethernet Port LED	2pcs (Yellow& Green) on RJ45, Yellow Indicates PoE, Green Indicates Link/Act
	Surveillance Mode LED	1pcs(Green), Green Indicates CCTV
Protection Level	EFT	Level 2 Per: IEC6 1 000-4-4
	ESD	Level 3 Per: IEC6 1 000-4-2
	Lightning Protection	6KV Per: IEC6 1 000-4-5
Environment	Operation Temperature	-10 ~+55
	Storage Temperature	-40 ~+85
	Humidity(noncondensing)	0~95%
Mechanics	Dimensions(LxWxH)	200mm×101.8mm×27mm
	Material	Metal
	Color	Black
	Weight	500g

Installation steps

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

- ❖ 4 ports PoE Ethernet Switch 1pcs
- ❖ Power adaptor 1pcs
- ❖ AC Power Cable 1pcs
- ❖ Accessories 1pcs
- ❖ User Manual 1pcs

Please follow installation steps as below:

- ❖ Turn off the power of all the related devices before the installation; otherwise the device would be damaged;
- ❖ Use Ethernet cable connect PoE IP camera and 1~8 downlink ports of product respectively;
- ❖ Use an Ethernet cable to connect equipment uplink port with NVR or computer;
- ❖ Connect power adapter;
- ❖ Check if the installation is correct, equipment is in good condition, the connection is stable, then
- ❖ power on for system.

Trouble shooting

If any trouble in installation, please follow these steps:

- ❖ 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;
- ❖ Replace the equipment with a proper functioning 4 ports PoE Ethernet Switch to check if the equipment is damaged
- ❖ Please replace a failure device with a proper one to check if the device is broken;

RJ 45 Making Method

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

- ❖ Shuck off about 2cm long the insulating layer, and bare the 4 pairs UTP cable;
- ❖ Depart the 4 pairs UTP cable and straighten them;
- ❖ Line up the 8 pieces of cables per EIA/TIA 568A or 568B;
- ❖ Cut out 1.5 cm cable wrap and leave the bare wire;
- ❖ Plug 8 cables into RJ45 plug, make sure each cable is in each pin;
- ❖ Use the wire crimper to crimp it;
- ❖ Follow the 5 steps above to make the another end, following the same sequence of the first plug;
- ❖ Using network tester to test the cable whether is working.

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