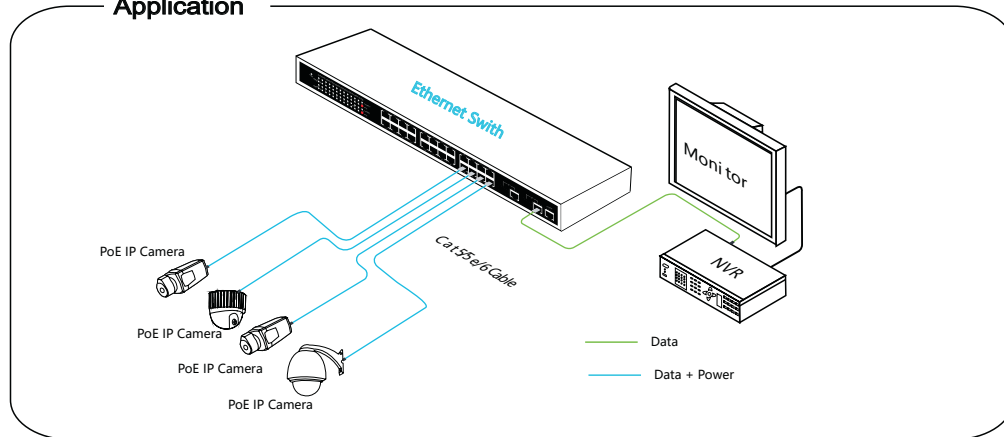


16 Ports Gigabit PoE Ethernet Switch User Manual

16 Ports support 16 PoE Gigabit Ethernet Switch is a security monitoring Ethernet Switches are designed to Ethernet HD monitor security systems and Ethernet projects. The product is fully integrated with the characteristics of the security monitoring, providing fast packet forwarding capability, the product is fully gigabit transfer rates provide enough bandwidth to ensure clear images, smooth transmission. Provide enough bandwidth demand for high-definition video.

Application



Feature

- Conforms to IEEE802.3, IEEE 802.3u, IEEE 802.3ab, IEEE802.3af, IEEE802.3at
- Provides 16 10/100/1000Base-TX ports and 2 Gigabit combo
- Provides 16 PoE injector and 250W Built-in power supply
- High back-plane bandwidth 36Gbps
- IEEE802.3x Flow control



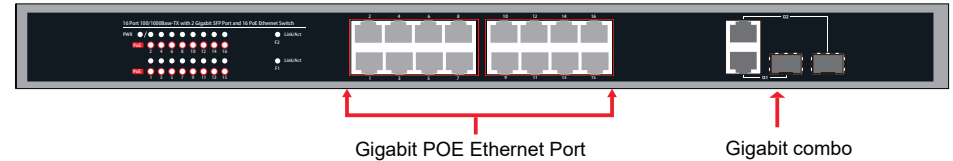
Notice

The transmission distance is related to the connected cable. We suggest standard Cat5e/6 network cable and quality of camera so the transmission distance can up to furthest,

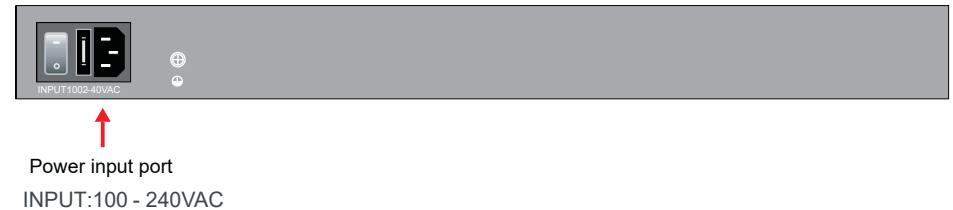
Board Diagram

16 Port 100/1000Base-TX with 2 Gigabit combo Port and 16 PoE Ethernet Switch

Front board



Back board



Installation steps

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

- | | |
|---|------|
| • 16+2 combo ports Gigabit PoE Ethernet | 1pcs |
| • Switch AC power cable | 1pcs |
| • Accessory | 1pcs |
| • User manual | 1pcs |

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 16 ports of product respectively
- 3) Use a network cable connect equipment up link port and NVR or computer;
- 4) Connect AC power ;
- 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

Item		Description	
Power	PowerSupply	Built-inpowersupply	
	VoltageRange	AC100~240V	
	Consumption	250W for PoE	
Ethernet	Speed	1~16 Port:10/100/1000Mbps F1~F2:Gigabit combo1.25Gbps	
	TransmissionDistanc	100Meter 328ft for RJ-45 2Km 20Km for combo Port The optical module is optional	
NetworkSwitch	EthernetStandard	IEEE 802.3 / 802.3u / 802.3 ab / 802.3af/at	
	Switching capacity	36G	
	Transfer Rate	14,880 pps for 10Mbps 148,800 pps for 100Mbps 148,8000 pps for 1000Mbps	
	MACAddress	8K MAC address table	
LINKACT	On	Green	Theportisconnecting
	Blinks	-	Theportisreceivingortransmitting data.
	Off	-	Theportisnotlinkedsuccessfullywiththedevice
POE	On	Orange	PDisconnected
	Off	-	NoPDisconnectedorpower forwardingfails
	PoE pin assignmnet		V+(Rj45 Pin 1 , 2),V -(Rj45Pin3 , 6)
Working Environment	Working Temperature		0℃~40℃
	Storage Temperature		-40℃~70℃
	Humidity Non condensing		0~85%
Mechanical	Dimension L * W * H		440mm*200mm*44mm
	Color		Gray

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 manufacturer's 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 16 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 8 pairs UTP cable
- 2 Separate the 8 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 9 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/TIA568A

Pin	Color
1	White/Orange
2	Orange
3	White/Green
4	Blue
5	White/Blue
6	Green
7	White/Brown
8	Brown



EIA/TIA568B



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,