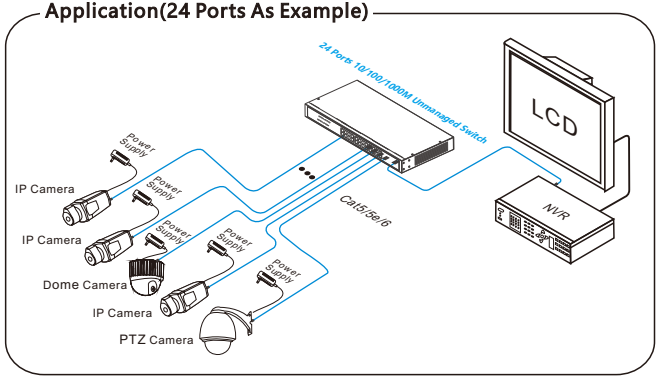
5/8/16/24 Ports 10/100/1000M Unmanaged Switch

User Manual

13.238.101.1734
V1.0

Equipped with iron housing, the unmanaged Gigabit Ethernet switches are used for network monitoring & building intercom project etc.. With features of large buffer cache, 6KV surge immunity, 8K ESD immunity, it keeps the interfaces from the damage caused by indirect lightning and ensures the high-speed forwarding and high reliability of video monitoring data.

Application(24 Ports As Example)



■Feature

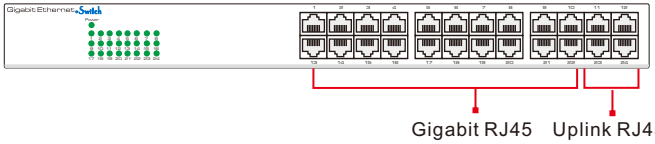
- Provide 5/8/16/24xGigabit ports
- 6KV surge immunity & 8KV ESD immunity
- LED indicator on front panel.
- Auto MDI/MDIX
- Wall mounted, desktop, rack installation
- Plug and play

⚠Notice

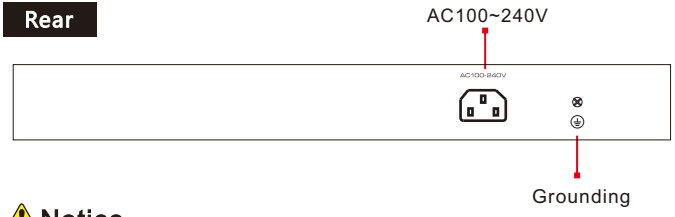
It is recommended to use the standard Cat5e/6 network cable to reach the optimal transmission distance.

■Board Diagram

Front



Rear



⚠Notice

Device must be connected with lightning protection grounding; otherwise protection level will be greatly reduced; please use above No.20 wire to connect the grounding terminal;

■Installation Steps

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

● 5/8/16/24 Ports 10/100/1000M Unmanaged Switch	1pc
● Power Adaptor / Cable	1pc
● User Manual	1pc
● Mounting Kits (16/24 Ports)	1pair

Please follow installation steps as below:

1) Turn off the power of all the related devices before the installation; otherwise the device would be damaged;

2) Connect PoE cameras with 1~4 downlink ports of product by Ethernet cable;

3) Connect UPLINK port of product with NVR or PC by Ethernet cable;

Specification

Model	5 Ports	8 Ports	16 Ports	24 Ports
Gigabit RJ45 Port	5	8	16	24
Surge Immunity	6KV common mode			
Switching Fabric	10Gbps	16Gbps	32Gbps	48Gbps
Packet Forwarding Rate	7.4Mpps	12Mpps	24Mpps	36Mpps
Interface Buffer	1M	2.5M	2.75M	2.75M
MAC Address	1K	4K	8K	8K
Indicator	Link/Act Indicator per port, 1*Power Indicator			
Indicator Status	Link/Act: Connecting (ON), Data transmitting(BLINK), Linkage fault(OFF) Power(PWR): Supply power (ON), Power supply failure (OFF)			
ESD Immunity	Contact discharge 6KV, air discharge 8KV			
External Power Supply	Input: 100V~240V AC,50/60Hz			
	Output: 5V 0.6A	Output: 5V 1A	/	/
Operation Mode	**1.Default:** All ports could be communicated freely. **2.VLAN:** Port 1 -3/6 are isolated, but can be communicated with the last two ports. **3.CCTV:** Port 1 - 4/8: 100Mbps, 160 meters.		/	/
Operating Temperature	-10℃~+50℃			
Storage Temperature	-40℃~+85℃			
Operating Humidity	5%-95% (Non-condensing)			
Dimension mm (L*W*H)	140x104x28mm	180x104x28mm	294x180x44mm	294x180x44mm

Product parameters are project to change without prior notice.

ITEM	Hazardous Substance					
	Pb	Hg	Cd	Cr(VI)	PBB	PBDE
PCB	○	○	○	○	○	○
PCBA Solder Joint	×	○	○	○	○	○
Components	×	○	○	○	○	○
Metal Hardware	○	○	○	○	○	○
Plastic Hardware	○	○	○	○	○	○
Paper Accessories	○	○	○	○	○	○
Glass	○	○	○	○	○	○
CD	○	○	○	○	○	○
Cable	○	○	○	○	○	○

This table is made base on GB/T 26572 standard.
○: Indicates that the concentration of the hazardous substance in all homogeneous materials in the part is below the relevant threshold of the GB/T 26572 standard.
×: Indicates that the concentration of the hazardous substance in all homogeneous materials in the part is above the relevant threshold of the GB/T 26572 standard.(However, this project only has a small number of applications in the inventory or processed products, and according to the plan, the environmental protection switch is being carried out, which will meet the above requirements

The term of this environmental protection only applies to the product working under the conditions specified in the user manual

RJ 45 Making Method

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

1) Shuck off about 2cm long the insulating layer, and bar the 4 pairs UTP cable;

2) Depart the 4 pairs UTP cable and straighten them;

3) Line up the 8 pieces of cables per EIA/TIA 568A or 568B;

4) Cut out 1.5 cm cable wrap and leave the bare wire;

5) Plug 8 cables into RJ45 plug, make sure each cable is in each pin;

6) Then use wire crimper to crimp it;

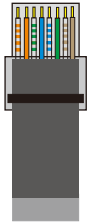
7) Follow the 5 steps above to make the another end, following the same sequence of the first plug;

8) 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

Notice

- When choose RJ-45 make sure if one end is EIA/TIA568A,the other end should also be EIA/TIA568A.
- When choose RJ-45 make sure if one end is EIA/TIA568B,the other end should also be EIA/TIA568B.