

Quick Start Guide



24 Port Gigabit Unmanaged Ethernet Switch

1 Features

- Conforms to IEEE 802.3, IEEE 802.3u, IEEE 802.3ab.
- Provides 24 10/100/1000Base-T ports.
- High backplane bandwidth 48 Gbps.
- IEEE 802.3x Flow control
- The switch supports one-key function conversion, currently supports three modes, DEFAULT mode, VLAN mode, EXTEND mode.

Normal: Normal mode, no special function.

VLAN: 1-22 port will not communicate with each other only communicate with uplink port 23-24. It will control the network storms, protect the information security.

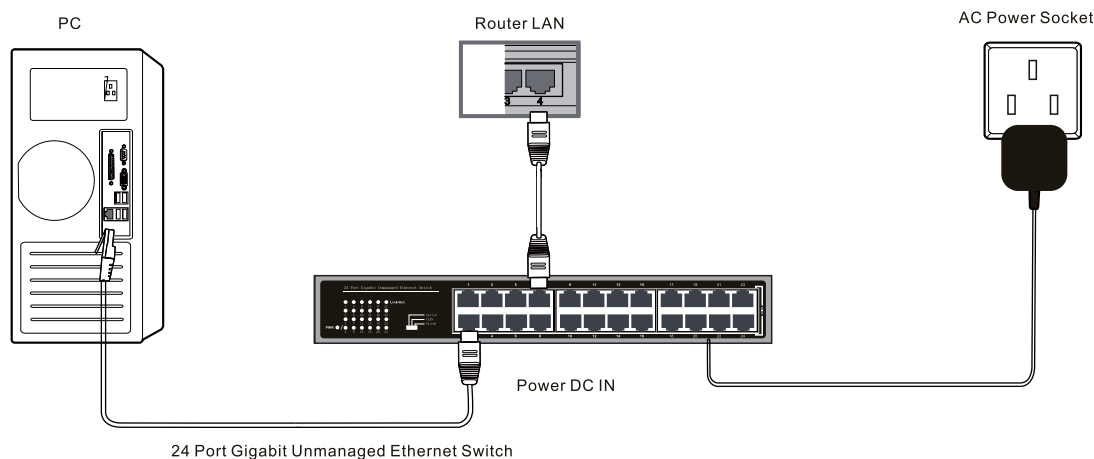
EXTEND 250m: The speed of Port 1-22 will slow down to 10 Mbps, allowing data transfer up to 820 ft. (250 meters).



Notice: The transmission distance is related to the connected cable. Standard Cat5e/6 network cable and the quality of camera will help maximize the furthest distance possible.

2 Product Introduction

The 24 Port Gigabit Unmanaged Ethernet Switch is designed for many applications such as small home offices, internet cafes, schools, and small / medium enterprises. A Full Gigabit Ethernet Switch that is designed to upgrade to Gigabit and meet High Bandwidth Requirements. This switch provides 24 10 / 100 / 1000Mbps Adaptive Ethernet Ports, and all Ports support full line speed, non-blocking switching and port auto flips functionality.



3 Specifications

Item		Description
Power	Power supply	Built-in Power Supply
	Voltage Range	AC100~240V
	Consumption	<15w
Ethernet	Speed	1-24 Port: 10/100/1000Mbps
	Transmission Distance	100Meter(328ft)
Network Switch	Ethernet Standard	IEEE 802.3/802.3u / 802.3ab
	Switching capacity	48G
	Transfer Rate	14,880pps for 10Mbps
		148,800pps for 100Mbps
		1,488,000pps for 1000Mbps
	MAC Address	8K MAC address table
LINK / ACT	On	Green
	Blinks	-
	Off	-
Enviro-nment	Working Temperature	0~40 °C
	Storage Temperature	-40~70 °C
	Humidity Non condensing	0~90%
	Dimension	270 x 180 x 44mm
Mecha-nical	Color	Black

Specification change will not be noticed

4 Installation Steps

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

- 24 Port Gigabit Unmanaged Ethernet Switch 1pcs
- AC power cable 1pcs
- Accessory 1pcs
- User manual 1pcs

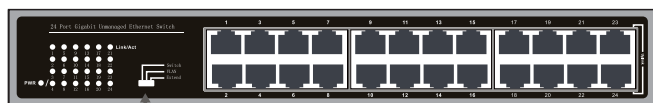
Please follow the below installation steps

- 1) Please turn off the signal power and display device power before installation, installation with power will damage the transmission equipment;
- 2) Use a network cable to connect the PC or other wired equipment that needs to be on the provided equipment;
- 3) Use a network cable to connect equipment uplink to port and router LAN;
- 4) Connect AC power;
- 5) Check if the installation is correct, the equipment is in good condition and the connection is stable; then connect power to the system;
- 6) Ensure the PoE Switch has power and is working properly.

5 Board Diagram

24 Port Gigabit Unmanaged Ethernet Switch

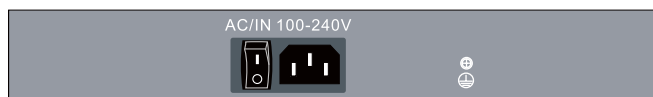
Front board



Toggle switch to change different working modes

Gigabit Ethernet Port

Back board



Power input port
Input: 100-240VAC

6 Troubleshooting

Please follow the steps if the equipment has trouble

- Make sure the equipment is installed according to the manufacture's installation guide.
- Confirm RJ45 cable order meets EIA/TIA 568A or 568B standard.
- Replace the equipment with a proper functioning 24 Port Network Switch to check if the equipment is damaged.
- Please contact your vendor if trouble still exists.

7 Plug Producing Method

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

- 1) Please remove 2cm long of 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 6 steps to make the another ends.
- 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 / 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 choosing RJ45 make sure if one end is EIA / TIA568A. the other end should also be EIA / TIA568A. When choosing RJ45 make sure if one end is EIA / TA568B. the other end should also be EIA / TIA568B.