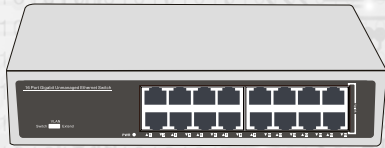


# Quick Start Guide



## 16 Port Gigabit Unmanaged Ethernet Switch

### 1 Features

- Conforms to IEEE802.3, IEEE 802.3u, IEEE 802.3ab.
- Provides 16 10/100/1000Base-T ports.
- High back-plane bandwidth 32 Gbps.
- IEEE 802.3x Flow control.

The switch supports one-key function conversion, currently supports three modes, DEFAULT mode, VLAN mode, EXTEND 250m mode.

DEFAULT: Normal mode, no special function.

VLAN : 1-14 port will not communicate with each other only communicate with uplink port 15-16. It will control the Net storm, protect the information security.

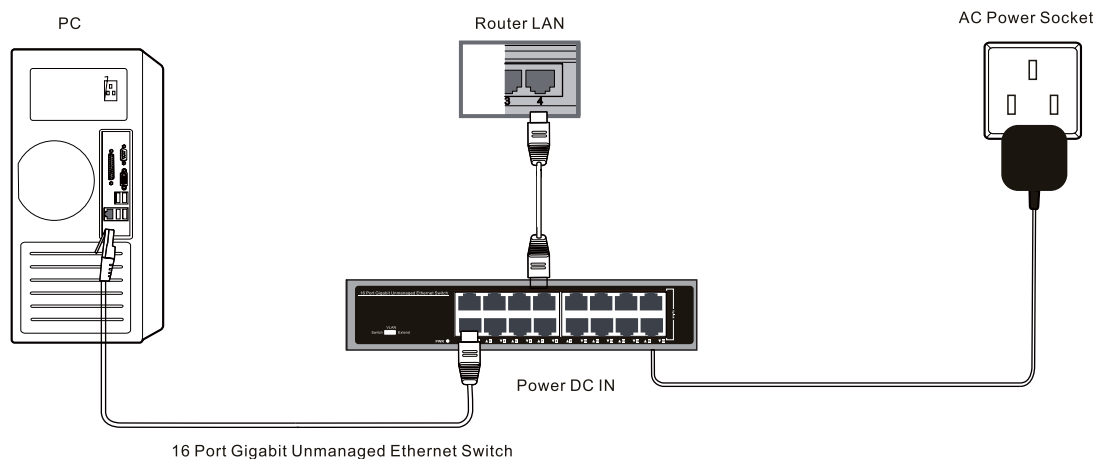
EXTEND 250m: 1-14 port can transmit 250 meters, when using Cat5e/6 network cable or better network cable, port 15-16 has no special function.



**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 16-Port Gigabit Unmanaged Ethernet Switch is designed for a variety of applications, including small home offices, internet cafes, schools, and small to medium-sized enterprises. It is a full Gigabit Ethernet switch that upgrades networks to Gigabit speeds to meet high bandwidth requirements. This switch offers 16 10/100/1000Mbps adaptive Ethernet ports, all of which support full line-speed, non-blocking switching and auto-negotiation functionality.



### 3 Specifications

Item		Description	
Power	Power supply	Built-in Power Supply	
	Voltage Range	AC100~240V	
	Consumption	<15w	
Ethernet	Speed	1~16 Port: 10/100/1000Mbps	
	Transmission Distance	100Meter(328ft)	
Network Switch	Ethernet Standard	IEEE 802.3/802.3u / 802.3ab	
	Switching capacity	32G	
	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	-	
Environment	Working Temperature	0~40 °C	
	Storage Temperature	-40~70 °C	
	Humidity Non condensing	0~90%	
	Dimension	200 x 118 x 44mm	
Mechanical	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.

- 16 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 power signal and display devices power before installation. Please note: Installing with the power on will damage the product.
- 2) Use a network cable to connect the PC or other wired equipment that needs to be on the provided networked.
- 3) Use a network cable to connect equipment up link to port and Router LAN.
- 4) Connect 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 Ethernet equipment has power and is working properly.

### 5 Board Diagram

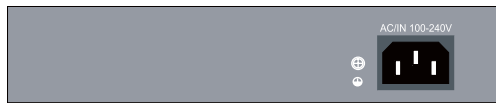
16 Port Gigabit Unmanaged Ethernet Switch

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 manufacturer's installation guide.
- Confirm RJ45 cable order meets EIA/TIA568A or 568B standard.
- Replace the equipment with a proper functioning 16 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.

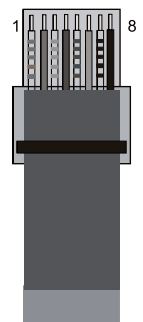
- 1) Please remove 2cm long of the insulating layer and bare 8 pairs UTP cable
- 2) Separate the 8 pairs UTP cable and straighten them.
- 3) Line up the 8 pieces of cables per EIA TIA 568A or 568B.
- 4) Cut off the cables to leave 1.5cm bare wire.
- 5) Plug 8 cables into RJ45 plug make sure each cable 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 an RJ45, ensure that if one end is EIA/TIA568A, the other end is also EIA/TIA568A. When choosing an RJ45, ensure that if one end is EIA/TIA568B, the other end is also EIA/TIA568B.