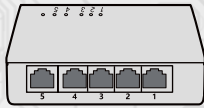**Petenet**®
Power Supplies & PoE Switches

Quick Start Guide

**5 Port Gigabit Unmanaged
Ethernet Switch**

1 Features

- Conforms to IEEE 802.3, IEEE 802.3u, IEEE 802.3ab
- Provides 5 10/100/1000Base-T ports.
- High back-plane bandwidth 10Gbps.
- IEEE 802.3x Flow control.

⚠ **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 5 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 5 10/100/1000 Mbps adaptive ethernet ports. All ports support full line speed, non-blocking switching and port auto flips functionality.

PC

Router LAN

AC Power Socket

Power DC IN

5 Port Gigabit Unmanaged Ethernet Switch
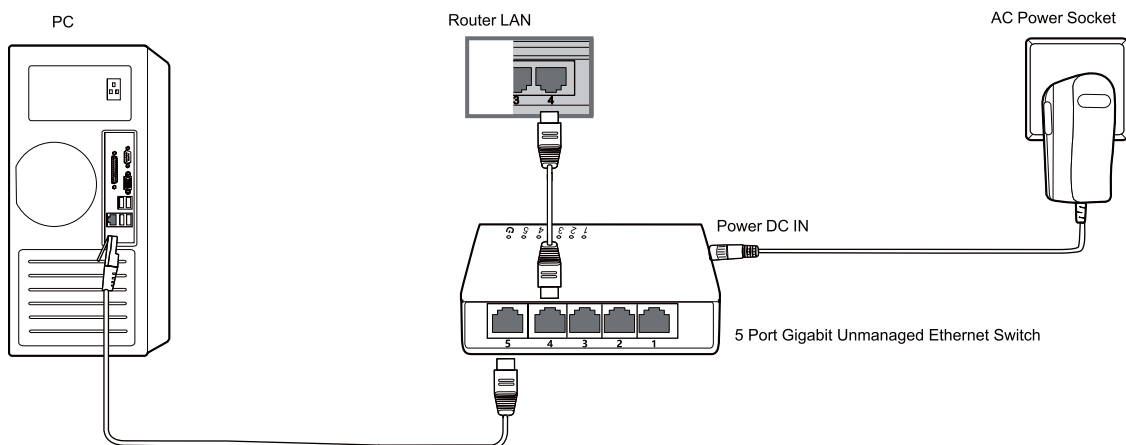
3 Specifications

Item		Description
Power	Power supply	Built-in power supply
	Voltage Range	DC 5V
	Consumption	<2W
Ethernet	Speed	1~5 Port : 10/100/1000Mbps
	Transmission Distance	100Meter (328ft)
Network Switch	Ethernet Standard	IEEE 802.3/802.3u/802.3ab
	Switching capacity	10G
	Transfer Rate	14,880pps for 10Mbps
		148,800pps for 100Mbps
		1,488,000pps for 1000Mbps
	MAC Address	2K MAC address table
LINK / ACT	On Green	The port is connecting
	Blinks –	The port is receiving or transmitting data
	Off –	The port is not linked successfully with the device
Enviro -nment	Working Temperature	0~40 ℃
	Storage Temperature	-40~70 ℃
	Humidity Non condesing	0~90%
Mecha -nical	Dimension	93 x 65.7 x 22.3mm
	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.

- 5 Port Gigabit Unmanaged Ethernet Switch   1pcs
- Power adaptor   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 to connect the PC or other wired equipment that needs to be on the provided equipment;

3) Use a network cable connect equipment uplink port and router LAN;

4) Connect the power adapter;

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

5 Port Gigabit Unmanaged Ethernet Switch

Power Link/act

DC 5V

Power Input Port

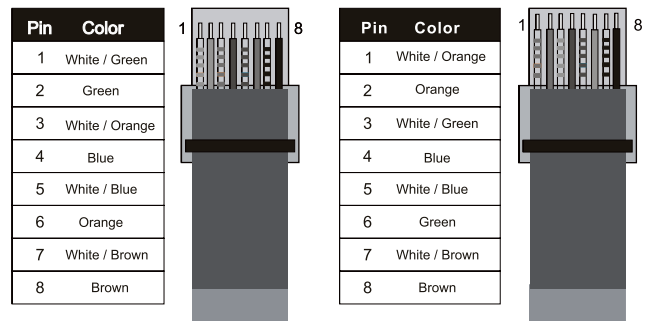5 4 3 2 1

Gigabit Ethernet Port
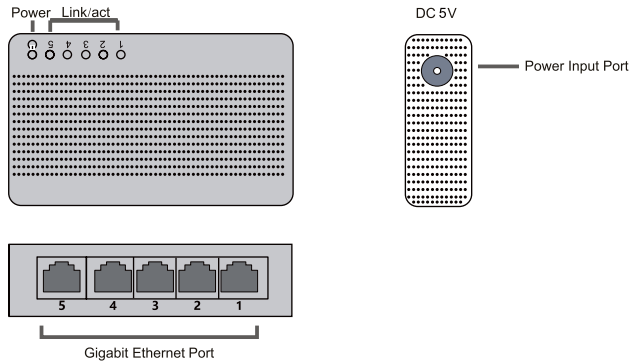
6 Troubleshooting

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/TIA568A or 568B standard.
- Replace the equipment with a proper functioning 5 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 2 cm 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 steps to make additional ends.

8) Use network tester to test the cable.

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.