# Connection diagram



- LAN + POE
- LAN
- INTERNET

# User Guide

### 1.Check the PoE switch

(1) Please check the enclosure, RJ45 ports, LED indicators, make sure they are ok.

(2) Connect the PoE switch with power, make sure the initialization of PoE switch is as

below:

POE indicator is off at the beginning when power connected
PWR indicator is on and it keeps on
Other green indicators will be on, then off after one or two seconds

### 2.Connection cables

(1) Connect the PoE switch to PD(IP camera, wireless AP) by CAT5 or 6 cables

(2) Connect the external power adapter to PoE switch

(3) Connect the power cord to AC plug

## 3.Caution

1) All operation should be provided only by a qualified service technician.

2) Make sure your PoE devices comply with IEEE 802.3af/at.

3) Make sure the power is off before unplugging the power adapter.

4) Makes sure all PoE PDs power consumption is less than total power

5) Please avoid any heavy thing placed on the switch.

6) Please keep this PoE switch away from water.

7) Avoid using this product during an electrical storm. There may be a remote risk of electric shock from lightning.

8) It is only for indoor use.

# MaxLink 4 Port PoE Switch
# PSAT-5-4P-250

# Product Description

MaxLink PSAT-5-4P-250 Series PoE switch automatically detect and supply power according to IEEE 802.3af/at compliant Powered Devices (PDs), it has 5x 10/100Mbps Auto-Negotiation RJ45 ports and 4x of them does support PoE (Power over Ethernet). PoE switch supports powering devices up to 250m while transmit bandwidth of RJ45 PoE ports drops to 10Mbps.

Switch supports 3 different modes which can be set:

**Default mode:**

   Switch works as normal PoE switch and it can power devices up to 100m. The throughput speed is 10/100Mbps per port.

**VLAN mode:**

   VLANS operation mode features with port-based VLAN function that can help to prevent the IP camera's multicast or broadcast storm from influencing
each other. PoE works up to 100m. The throughput speed is 10/100Mbps per port.

**Extend mode:**

   Switch can power devices up to 250m while the speed drops to 10Mbps per port.

It has to be switched manualy by the switch on right side of the device encloser in to "default, VLAN or extend" mode. There is no need to worry about the damaging of standard POE or Non-POE devices, the power will be switched off when the POE device does not support active PoE.

# Key Features

➢   5x 10/100Mbps Auto-Negotiation RJ45 port with 4 POE port (port 1-4)

➢   Complies with IEEE802.3af/at standard

➢   Transmission distance is up to 250m in "extend"mode

➢   VLAN mode can prevent broadcast storm

➢   Fanless design realize saving energe and environment protection

➢   Support PoE power up to 15.4W for single PoE port / 60W totally

➢   Support automatically detect function to protect the system when the system

   power is overloaded or there is non-POE device

➢   LED indicators for monitoring power, link, activity and speed

➢   52V 1.15A power adapter

# Technical Specification

| | |
|---|---|
| Network Interface | 4 10/100Mbps PoE RJ45 port(port 1~port 4)<br>1 10/100Mbps Non-POE RJ45 port(port 5) |
| Data Rate | 100Mbps full Duplex,10 or 100Mbps Half Duplex<br>Network interface:10BASE-T or 100BASE-TX Ethernet RJ-45 port |
| Performance specification | Bandwidth:1.0Gbps (non blocking)<br>Network delay(100 to 100M bps): maximum 20 microseconds(using 64 byte packet)<br>MAC address capacity:1K<br>Frames filter and transfer rate:<br>10M port maximum 14,800pps<br>100M port maximum 148,800pps |
| Manual Switch mode | Default (PoE up to 100m/100Mbps)<br>VLAN (prevent broadcast storm, port separation)<br>Extend (PoE up to 250m/10Mbps) |
| Protocols and Standards | IEEE 802.3i 10BASE-T<br>IEEE 802.3u 100BASE-TX<br>IEEE 802.3x Flow Control<br>IEEE 802.3af/at Power over Ethernet |
| LED Indicators | Power<br>LINK/ACT, PoE |
| Power Supply | Input: 100 - 240 VAC, 50 -60 Hz, Power adapter 52V 1.15A<br>Output: 60W total. Once the 802.3at device is connected, there will be shortage of power on the other ports concerning total PoE budget |
| Power Pin | 1/2(+), 3/6(-); or 4/5(+),7/8(-); |
| Dimensions | 92 x 82 x 22mm |
| Operating conditions | Operating Temperature: 0°C~40°C<br>Storage Temperature: -10°C~70°C<br>Operating Humidity: 10%~90% non-condensing<br>Storage Humidity: 5%~90% non-condensing |
| EMC | CE Class B<br>FCC Part 15,Class B<br>VCCI Class B<br>C-Tick |
| Certification | CE, FCC, RoHS |