tp-link

Installation Guide

8-Port Gigabit Desktop Switch with 4-Port PoE

TL-SG1008P

Package Contents: TL-SG1008P, Power Adapter, Power Cord and Installation Guide.

LED Explanation

Power

On: Power on
Off: Power off

Link/Act

On: Link present but no activity
Flashing: Transmitting/receiving data
Off: No link

1000Mbps

On: Link/Act at 1000M
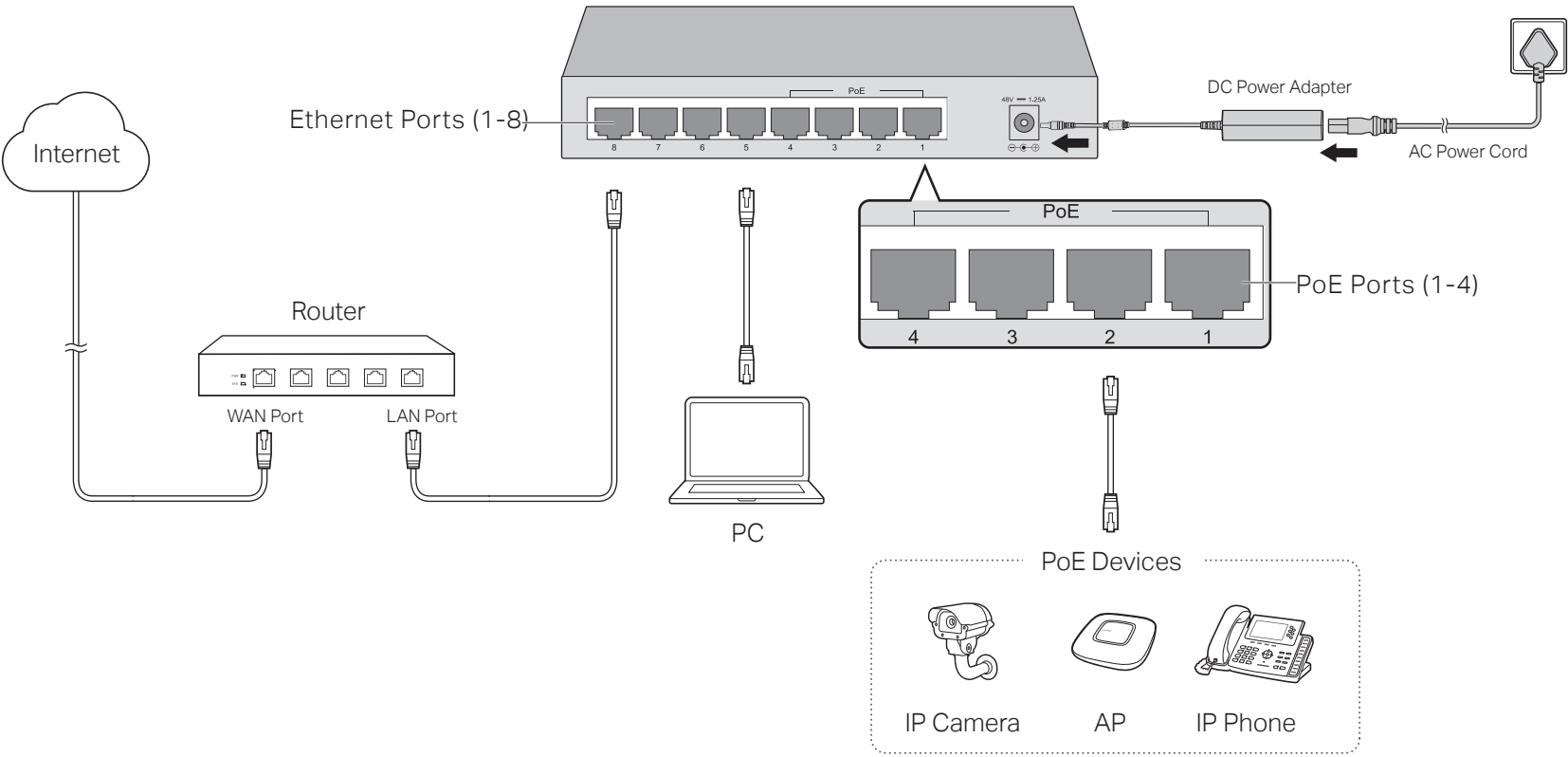**Flashing**: Link/Act at 10/100M or no link

PoE MAX

On: 48W≤Total power supply < 55W
Flashing: Total power supply ≥ 55W
Off: Total power supply < 48W

PoE Status

On: Providing PoE power
Flashing: PoE fault
Off: Not providing PoE power

Connection

Ethernet Ports (1-8)

Internet

Router

WAN Port   LAN Port

PC

DC Power Adapter

AC Power Cord

48V   1.25A

PoE

PoE Ports (1-4)

4   3   2   1

PoE Devices

IP Camera   AP   IP Phone

Note: 1. PoE ports can also connect to non-PoE devices, but only transmit data.
2. Maximum PoE power is 15.4W for each PoE port and 55W for all PoE ports.

Frequently Asked Questions (FAQ)

Q1. The Power LED is not lit.

The Power LED should be lit when the power system is working normally.
If the Power LED is not lit, please check as follows:
A1: Make sure the AC power cord is connected to the switch with power source properly.
A2: Make sure the voltage of the power supply meets the requirements of the input voltage of the switch.
A3: Make sure the power source is ON.

Q2. The Link/Act LED is not lit when a device is connected to the corresponding port.

It is recommended that you check the following items:
A1: Make sure that the cable connectors are firmly plugged into the switch and the device.
A2: Make sure the connected device is turned on and working well.
A3: The cable must be less than 100 meters long (328 feet).

Q3. Why is port 4 not supplying power for PoE devices?

If connected PoE device's total power consumption exceeds 55W, the system will cut off the power to port 4. For example, port 1, 2 and 4 are consuming 15.4W respectively, if an additional PoE device with 12W is inserted to port 3, the system will cut off the power of port 4 to compensate for the overload.

For more information, please visit our website:
http://www.tp-link.com

Specifications

General Specifications

Standard	IEEE802.3i, 802.3u, 802.3ab, 802.3x, 802.3af, 802.1p
Protocol	CSMA/CD
Interface	8 10/100/1000Mbps RJ45 Ports, Auto-Negotiation MDI/MDIX
	PoE Ports: Port1-Port4, Total Power Supply:55W
Network Media (Cable)	10BASE-T: UTP category 3, 4, 5 cable (maximum 100m); EIA/TIA-568 100Ω STP (maximum 100m)
	100BASE-TX: UTP category 5, 5e cable (maximum 100m); EIA/TIA-568 100Ω STP (maximum 100m)
	1000BASE-T: UTP category 5e cable or above (maximum 100m); EIA/TIA-568 100Ω STP (maximum 100m)
Backbone Bandwidth	16Gbps
MAC Address Table	4K, automatically learning, automatically aging
Transfer Method	Store-and-Forward
MAC Address Learning	Automatically learning, automatically aging
Power Supply	External Power Adapter
	Input: 100-240VAC, 50/60Hz Output: 48VDC /1.25A
Consumption	5.5W (max. no PoE device connected)
	65.2W (max. with 55w PoE device connected)

Environmental and Physical Specifications

Operating Temperature	0˚C to 40˚C (32˚F to 104˚F)
Storage Temperature	-40˚C to 70˚C (-40˚F to 158˚F)
Operating Humidity	10% to 90%RH non-condensing
Storage Humidity	5% to 90%RH non-condensing