tp-link

Installation Guide

5-Port Gigabit Desktop Switch with 4-Port PoE

TL-SG1005P

LED Explanation

Power

▭ Power	**On**: Power on
	Off: Power off

PoE MAX

▭ PoE Max	**On**: 49W≤Total power supply < 56W
	Flashing: Total power supply ≥ 56W
	Off: Total power supply < 49W

Link/Act and PoE Status

On (Green): Connected to a 1000Mbps device
On (Yellow): Connected to a 10/100Mbps device
Flashing: Transmitting/receiving data

On: Providing PoE power
Flashing: Current-overload/Short-circuit
Off: Not providing PoE power

Package Contents: TL-SG1005P, Power Adapter, Power Cord, Feet and Installation Guide.

Connection

DC Power Adapter

AC Power Cord

tp-link 5-Port Gigabit Desktop Switch with 4-Port PoE   TL-SG1005P

Left LED: Green=1000Mbps, Yellow=10/100Mbps, Blink=Act
Right LED(Port1-4): Solid Green=PoE Powered, Flashing Green=PoE fault

Ethernet Ports (1-5)

PoE Ports (1-4)

Internet

Router

LAN Port   WAN Port

PoE Devices

IP Camera   AP   IP Phone
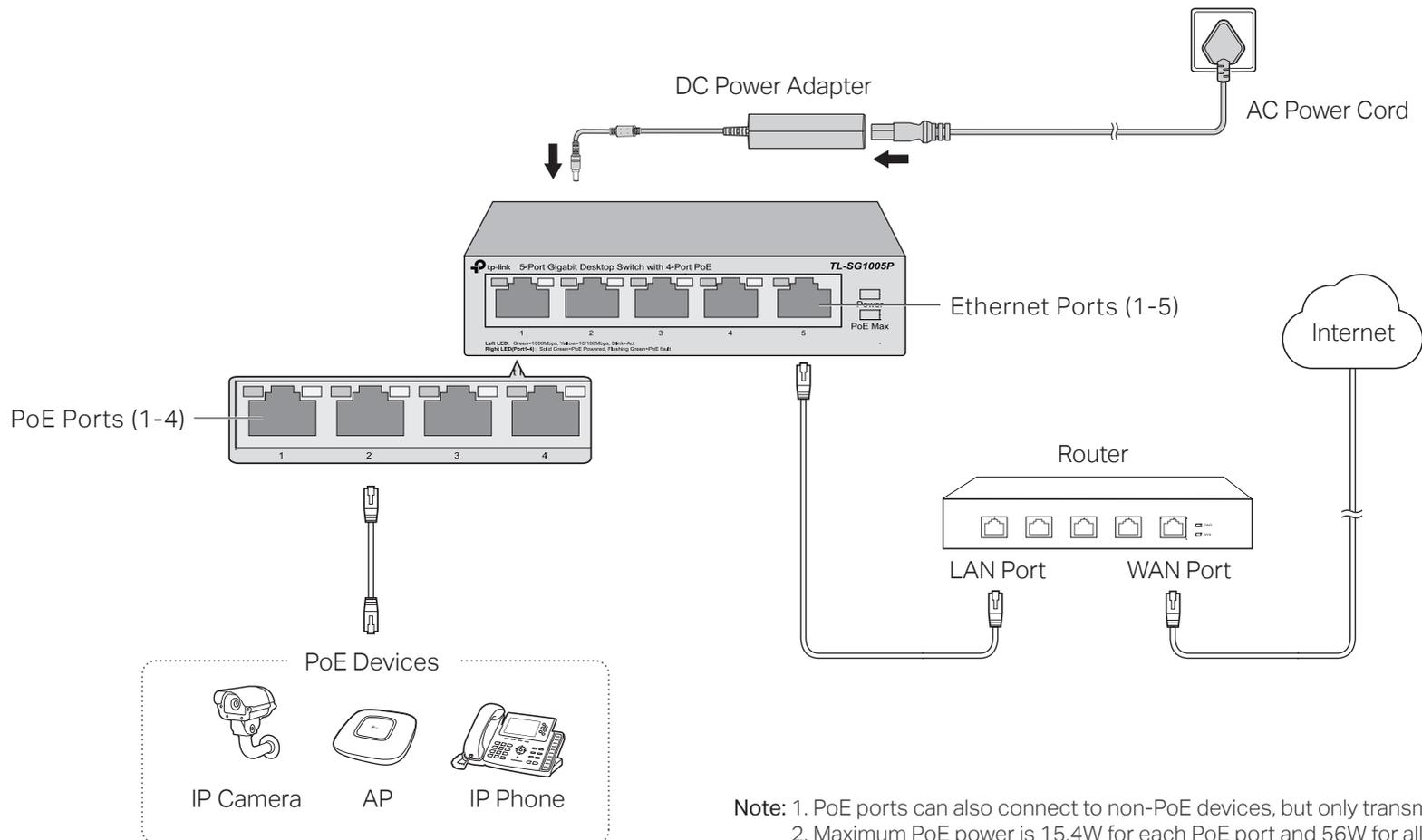
Note: 1. PoE ports can also connect to non-PoE devices, but only transmit data.
2. Maximum PoE power is 15.4W for each PoE port and 56W for all PoE ports.

Frequently Asked Questions (FAQ)

Q1. Why is the Power LED not lit?

The Power LED should be lit when the power system is working normally.
If the Power LED is not lit, please try the following:
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. Why is the Link/Act LED not lit while a device is connected to the corresponding port?

Please try the following:
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 works normally.
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 56W, 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 technical support and other information, please visit http://www.tp-link.com/support, or simply scan the QR code.

Specifications

General Specifications

Standard	IEEE802.3i, 802.3u, 802.3ab, 802.3x, 802.3af, 802.1p
Protocol	CSMA/CD
Interface	5 10/100/1000Mbps RJ45 Ports, Auto-Negotiation MDI/MDIX
	PoE Ports: Port1-Port4, Total Power Supply:56W
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)
Switching Capacity	10Gbps
MAC Address Table	2K
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

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 95%RH non-condensing