TP-LINK®
The Reliable Choice

Installation Guide

8-Port Gigabit Desktop Switch with 4-Port PoE

TL-SG1008P

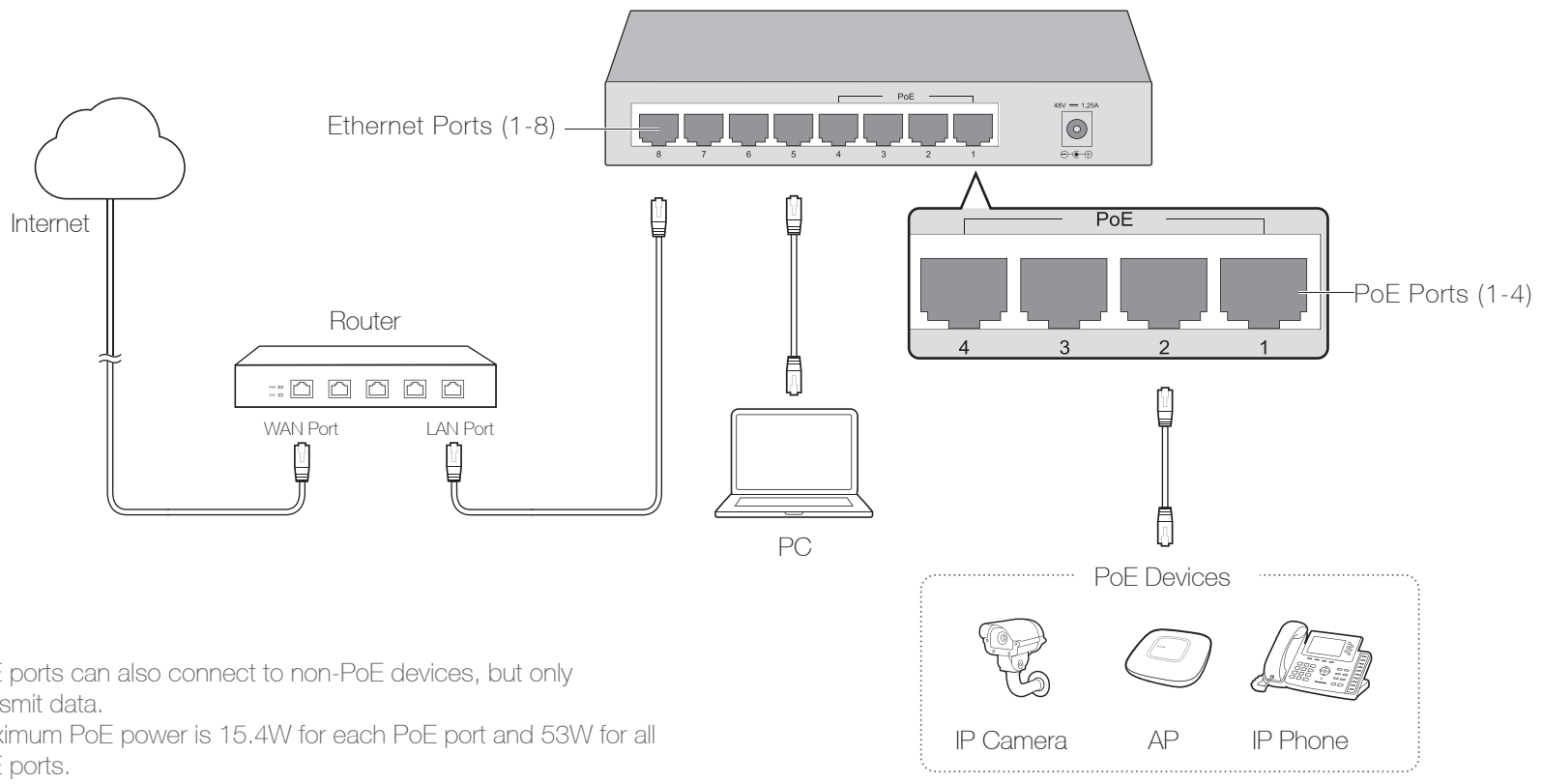


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For more information, please visit our website: **http://www.tp-link.com**

Connection

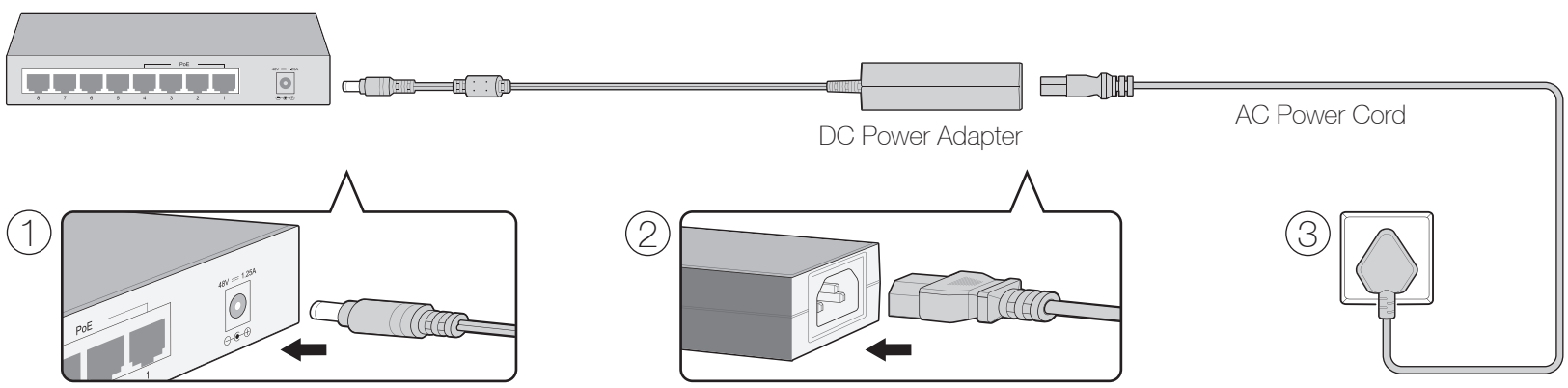
1 Application



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 53W for all PoE ports.

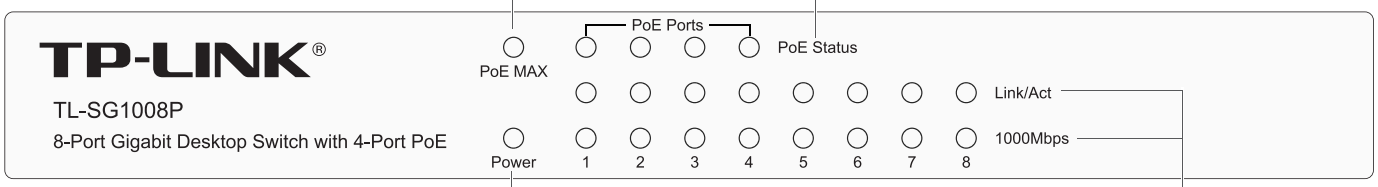
2 Plug and Play



LED Explanation

PoE Max
On: 46W≤Total power supply < 53W
Flashing: Total power supply ≥ 53W
Off: Total power supply < 46W

PoE Status (port 1-4)
On: PoE power provided
Flashing: PoE fault
Off: No PoE power provided



Power
On: Power on
Off: Power off

Link/Act (port 1-8)
On: Link present but no activity
Flashing: Transmitting/receiving data
Off: No link

1000Mbps (port 1-8)
On: Connecting to a 1000M device
Off: Connecting to a 10/100M deivce or no link

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 53W, 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.

General Specifications	
Standard	IEEE802.3, 802.3u, 802.3ab, 802.3x, 802.3af
Protocol	CSMA/CD
Interface	8 10/100/1000Mbps RJ45 Ports Auto-Negotiation/Auto MDI/MDIX
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-TX: UTP category 5e cable or above (maximum 100m); EIA/TIA-568 100Ω STP (maximum 100m)
PoE Ports (RJ45)	PoE Ports: Port1- Port4 Total Power Supply: 53W
Backbone Bandwidth	16Gbps
MAC Address Table	8K
Transfer Method	Store-and-Forward
Power Supply	External Power Adapter (Input: 100-240VAC, 50/60Hz Output: 48VDC /1.25A)
Consumption	5.8W (max. no PoE device connected) 58.8W (max. with 53w PoE device connected)
Environmental and Physical Specifications	
Certification	FCC, CE, RoHS
Operating Temperature	0℃~40℃ (32℉~104℉)
Storage Temperature	-40℃~70℃ (-40℉~158℉)
Operating Humidity	10%~90% non-condensing
Storage Humidity	5%~90% non-condensing

SAFETY Information

- Adapter shall be installed near the equipment and shall be easily accessible.
- Avoid water and wet locations.
- Don't disassemble the product, or make repairs yourself. You run the risk of electric shock and voiding the limited warranty. If you need service, please contact us.

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CE Mark Warning

This is a class A product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

FCC STATEMENT

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
1) This device may not cause harmful interference.
2) This device must accept any interference received, including interference that may cause undesired operation.
Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.