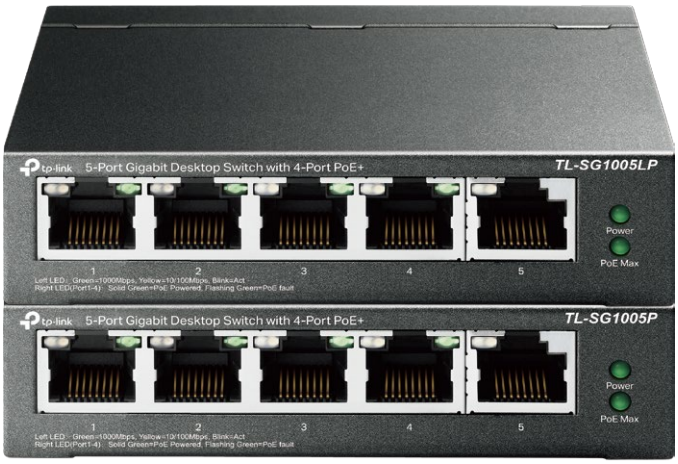
5-Port Gigabit Desktop Switch with 4-Port PoE+

MODEL: TL-SG1005LP/TL-SG1005P



Highlights

- 5 10/100/1000Mbps RJ45 ports
- With four PoE ports, transfers data and power on one single cable
- Working with IEEE 802.3af/at compliant PDs, expands your network
- Supports PoE Power up to 30 W for each PoE port
- TL-SG1005LP supports PoE Power up to 40 W for all PoE ports, and TL-SG1005P supports up to 65 W
- 802.1p/DSCP QoS enable smooth latency-sensitive traffic
- IGMP Snooping optimizes multicast application
- Plug and play, no configuration and installation required

Overview

TL-SG1005LP/TL-SG1005P is a 5 10/100/1000 Mbps ports unmanaged switch that requires no configuration and provides 4 PoE (Power over Ethernet) ports. It can automatically detect and supply power with all IEEE 802.3af/at compliant Powered Devices (PDs). In this situation, the electrical power is transmitted along with data in one single cable allowing you to expand your network to where there are no power lines or outlets, where you wish to fix devices such as APs, IP Cameras or IP Phones, etc.

Power Over Ethernet

Four of the 5 Auto-Negotiation RJ45 ports (port-1 to port-4) of the switch support Power over Ethernet (PoE) function. These PoE ports can automatically detect and supply power with those IEEE 802.3af/at compliant Powered Devices (PDs).

Overload Arrangement

The switch has the priority function which will help protect the system when the system power is overloaded. If all PoE PDs power consumption is over the PoE power budget, a priority will be arranged among the PoE ports, then the system will cut off the power of the lowest-priority port.

Intelligent Power Management

Priority (port 1=port 2=port 3>port 4): This function will help protect the system if the system power becomes overloaded. Take TL-SG1005P as an example. If port 1, 2 and 4 are consuming 15.4 W respectively, and an additional PoE device with 19 W is inserted to port 3, the system will cut off the power of port 4 to compensate for the overload.

Easy of Use

The switch is easy to install and use. It requires no configuration and installation. With desktop and wall-mountable design, outstanding performance and quality, the TP-Link 5-Port Gigabit Desktop Switch with 4-Port+ PoE is a great selection for expanding your network.

Specifications

Interface & Performance

Product Picture		
Model	TL-SG1005LP	TL-SG1005P
Standards	IEEE 802.3i, IEEE 802.3u, IEEE 802.3x, IEEE 802.1p, IEEE 802.3af, IEEE 802.3at	
Interface	5*10/100/1000 Mbps RJ45 Ports with 4 PoE+ Ports (Port 1 to Port 4) AUTO Negotiation/AUTO MDI/MDIX	
Network Media	10BASE-T: UTP category 3, 4, 5 cable (maximum 100 m) EIA/TIA-568 100Ω STP (maximum 100 m) 100BASE-TX: UTP category 5, 5e cable (maximum 100 m) EIA/TIA-568 100Ω STP (maximum 100 m) 1000BASE-T: UTP category 5, 5e, 6 or above cable (maximum 100 m) EIA/TIA-568 100Ω STP (maximum 100 m)	
Max Power Consumption	4.12 W (220 V/50 Hz. no PD connected) 47.5 W (220 V/50 Hz. with 40 W PD connected)	4.29 W (220 V/50 Hz. no PD connected) 74.24 W (220 V/50 Hz. with 56 W PD connected)
Max Heat Dissipation	14.05 BTU/h (no PD connected) 161.98 BTU/h (with 40 W PD connected)	14.63 BTU/h (no PD connected) 253.16 BTU/h (with 65 W PD connected)
PoE Ports (RJ45)	Standard: 802.3 af/at compliant PoE Ports: Port 1- Port 4 Power Supply: 40 W	Standard: 802.3 af/at compliant PoE Ports: Port 1- Port 4 Power Supply: 65 W
Transmission Method	Store-And-Forward	
Switching Capacity	10 Gbps	
Mac Address Table	2K	
Fan Quantity	Fanless	
External Power Supply	External Power Adapter(Output: 53.5 VDC / 0.81 A)	External Power Adapter(Output: 53.5 VDC / 1.31 A)
LED	Power, Link/Act, PoE Status, PoE Max	
Dimensions (W x D x H)	3.9 x 3.9 x 1.0 in. (99.8 x 98 x 25 mm)	
Certification	FCC, CE, RoHS	
Package Contents	Switch, Power Adapter, Installation Guide	

Note: PoE budget calculations are based on laboratory testing. Actual PoE power budget is not guaranteed and will vary as a result of client limitations and environmental factors.