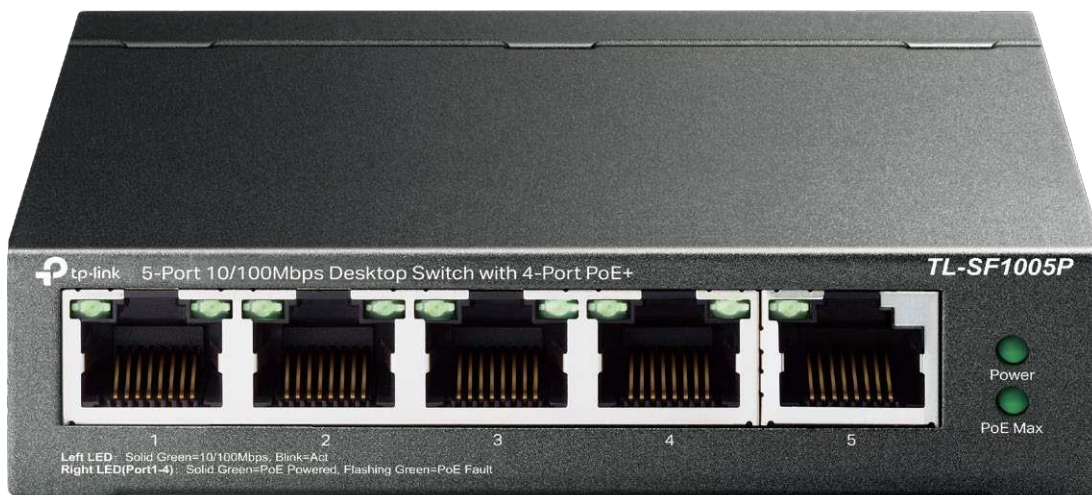![TP-Link logo]

5-Port 10/100Mbps

Desktop Switch with 4-Port PoE+

MODEL: TL-SF1005P Datasheet

Highlights

- 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

- Supports PoE Power up to 67 W for all PoE ports

- Plug and play, no configuration and installation required

- Up to 250 m data and power transmission under Extend Mode** specially designed for surveillance system

- Priority Mode ensures high priority of port 1–2 to guarantee the quality of sensitive application

Overview

TL-SF1005P is a 5 10/100Mbps 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

TL-SF1005P has the priority function which will help protect the system when the system power is overloaded. If all PoE PDs power consumption is >= 67W, 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 to ensure the normal operation of the system, it means Port 4 will be cut off when all total PoE PDs power consumption exceed 67 W. If port 1, 2 and 4 are consuming 15.4 W respectively, and an additional PoE device with 21 W is inserted to port 3, the system will cut off the power of port 4 to compensate for the overload.

Highlight Performance

• Up to 250 m PoE power supply and data transmission under Extend Mode**.

• Priority Mode ensures high priority of port 1–2 to guarantee the quality of sensitive application.

Easy of Use

TL-SF1005P 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's TL-SF1005P 5-Port 10/100 Mbps Desktop Switch with 4-Port PoE+ is an ideal choice for expanding your network.

Specifications

Product Picture	
Model	TL-SF1005P
Standards	IEEE 802.3i, IEEE 802.3u, IEEE 802.3x, IEEE 802.3af, IEEE 802.3at
Interface	5*10/100 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-568 100 Ω STP (maximum 100 m) 100BASE-TX: UTP category 5, 5e cable (maximum 100 m) EIA/TIA-568 100 Ω STP (maximum 100 m)
PoE Ports (RJ45)	Standard: 802.3 af/at compliant PoE Ports: Port1- Port4, up to 30 W per port Power Supply: 67 W
Transmission Method	Store-And-Forward
Switching Capacity	1.2 Gbps
Mac Address Table	2K
Fan Quantity	Fanless
Extend Mode	Yes
Priority Mode	Yes
Max Power Consumption	9.44 W (220 V/50 Hz. no PD connected) 74.02 W (220 V/50 Hz. with 67 W PD connected)
Max Heat Dissipation	32.20 BTU/h (no PD connected) 252.55 BTU/h (with 67 W PD connected)
External Power Supply	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	TL-SF1005P, Power Adapter, Installation Guide
Environment	Operating Temperature: 0 ℃~40 ℃ (32 °F~104 °F) Storage Temperature: -40 ℃~70 ℃ (-40 °F~158 °F) Operating Humidity: 10% ~ 90% RH, non-condensing Storage Humidity: 5%~90% RH, non-condensing

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.

**The speed of the ports which are under extend mode will be downgraded to 10Mbps. Actual transmission distance may vary from the quality of the cables.

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