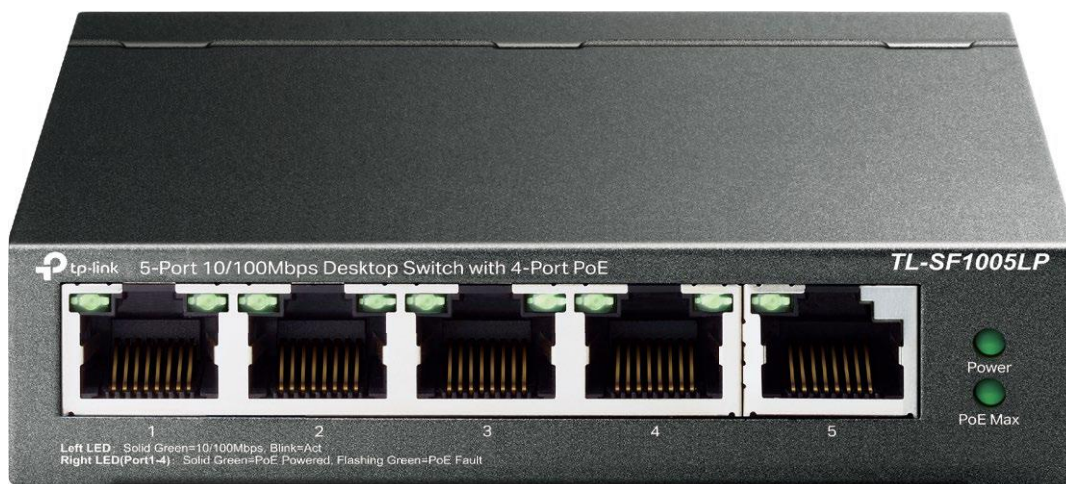


# 5-Port 10/100Mbps Desktop Switch with 4-Port PoE

MODEL: TL-SF1005LP Datasheet



## Highlights

- With four PoE ports, transfers data and power on one single cable
- Working with IEEE 802.3af compliant PDs, expands your network
- Supports PoE Power up to 15.4 W for each PoE port
- Supports PoE Power up to 41 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-SF1005LP is a 5 10/100 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 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 compliant Powered Devices (PDs).

## Overload Arrangement

TL-SF1005LP has the priority function which will help protect the system when the system power is overloaded. If all PoE PDs power consumption is  $\geq 41$  W, 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 exceeds 41 W. For example. If port 1, 2 and 4 are consuming 10 W respectively, and an additional PoE device with 15.4 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-SF1005LP 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-SF1005LP 5-Port 10/100 Mbps Desktop Switch with 4-Port PoE is an ideal choice for expanding your network.

# Specifications

|                          |  |
|--------------------------|--|
| Product Picture          |   |
| Model                    | TL-SF1005LP  |
| Standards                | IEEE 802.3i, IEEE 802.3u, IEEE 802.3x, IEEE 802.3af  |
| Interface                | 5*10/100 Mbps RJ45 Ports with 4 PoE Ports(Port 1 to Port 4)<br>AUTO Negotiation/AUTO MDI/MDIX  |
| Network Media            | 10BASE-T: UTP category 3, 4, 5 cable (maximum 100 m)<br>EIA/TIA-568 100 Ω STP (maximum 100 m)<br>100BASE-TX: UTP category 5, 5e cable (maximum 100 m)<br>EIA/TIA-568 100 Ω STP (maximum 100 m)           |
| PoE Ports (RJ45)         | Standard: 802.3 af compliant<br>PoE Ports: Port1- Port4<br>Power Supply: 41 W  |
| Transmission Method      | Store-And-Forward  |
| Switching Capacity       | 1 Gbps   |
| Mac Address Table        | 2K   |
| Fan Quantity             | Fanless  |
| Extend Mode              | Yes  |
| Priority Mode            | Yes  |
| Max Power Consumption    | 1.9 W (220 V/50 Hz. no PD connected)<br>47 W (220 V/50 Hz. with 41 W PD connected)   |
| Max Heat Dissipation     | 6.48 BTU/h (no PD connected)<br>160.27 BTU/h (with 41 W PD connected)  |
| External Power Supply    | External Power Adapter (Output: 53.5 VDC / 0.81 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-SF1005LP, Power Adapter, Installation Guide   |
| Environment              | Operating Temperature: 0 °C~40 °C (32 °F~104 °F)<br>Storage Temperature: -40 °C~70 °C (-40 °F~158 °F)<br>Operating Humidity: 10% ~ 90% RH, non-condensing<br>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 10 Mbps. Actual transmission distance may vary from the quality of the cables.

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