



TP-Link TL-SF1005P 5-Port 10/100Mbps Desktop Switch with 4-Port PoE

Product Images



Description

TP-Link TL-SF1005P 5-Port 10/100Mbps Desktop Switch with 4-Port PoE

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 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.

Highlights:

- Power over Ethernet, 4 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-SF1005P has the priority function which will help protect the system when the system power is overloaded. If all PoE PDs power consumption is $\geq 58W$, a priority will be arranged among the PoE ports, then the

system will cut off the power of the lowest-priority port.

- Port Priority Function, 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 58W. For an example, Port 1, 2 and 4 are using 15.4W (maximum power for per port is 15.4W); the system power is 46.2W in total. If there is an additional PD inserted to Port 3 with 12W, and then the system will cut off the power of Port 4 because of the overloaded power, this means Port 1, 2 will use 15.4W, and Port3 will use 12W, no power will be supplied to Port 4.
- [Warranty 5-years](#)

HARDWARE FEATURES

Interface

5 10/100Mbps RJ45 Ports
AUTO Negotiation/AUTO MDI/MDIX
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)

Network Media

Fan Quantity

Fanless

External Power Supply

External Power Adapter(Output: 48VDC / 1.25A)
Standard: 802.3 af compliant

PoE Ports (RJ45)

PoE Ports: Port1- Port4
Power Supply: 58W

Mac Address Table

2K

Switching Capacity

1Gbps

Dimensions (W x D x H)

3.9 x 3.9 x 1.0 in. (99.8 x 98 x 25 mm)

Transmission Distance

Store-And-Forward

Max Power Consumption

1.678W (max. no PD connected)
64.82W (max. with 58w PD connected)

Max Heat Dissipation

5.73BTU/h(no PD connected)
221.17BTU/h(with 58W PD connected)

SOFTWARE FEATURES

Transmission Method

Store-And-Forward
Compatible With IEEE 802.3af Compliant PDs
Priority Function

Advanced Functions

Mac Address Auto-Learning And Auto-Aging
IEEE802.3x Flow Control For Full-Duplex Mode And Backpressure For Half-Duplex Mode

OTHERS

Certification

FCC, CE, RoHS

Package Contents

TL-SF1005P, Power Adapter, User Guide
Operating Temperature: 0?~40? (32?~104?)

Environment

Storage Temperature: -40?~70? (-40?~158?)
Operating Humidity: 10%~90%RH non-condensing
Storage Humidity: 5%~90%RH non-condensing

