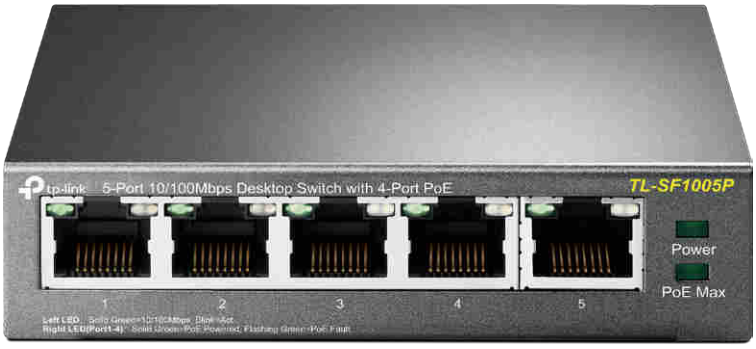
5-Port 10/100Mbps Desktop Switch with 4-Port PoE

MODEL: TL-SF1005P Datasheet



Highlights

- With four PoE ports, transfers data and power on one single cable
- Working with IEEE 802.3af compliant PDs, expands home and office network
- Supports PoE Power up to 15.4W for each PoE port
- Supports PoE Power up to 58W for all PoE ports
- Plug and play, no configuration and installation required

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 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

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 >= 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 exceed 58W. For an example, Port 1, 2 and 4 is 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.

Easy of Use

TL-SF1005P is easy to install and use. It requires no configuration and installation. With desktop design, outstanding performance and quality, the TP-Link's TL-SF1005P 5-Port 10/100Mbps Desktop Switch with 4-Port PoE is an ideal choice for expanding your home or office network.

Specifications

Interface & Performance

Product Picture	
Model	TL-SF1005P
Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3af
Interface	5*10/100Mbps 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 100m) EIA/TIA-568 100Ω STP (maximum 100m) 100BASE-TX: UTP category 5, 5e cable (maximum 100m) EIA/TIA-568 100Ω STP (maximum 100m)
Power Consumption	63.51W (max. with 58w PD connected) 1.70W (max. no PD connected)
PoE Ports (RJ45)	Standard: 802.3 af compliant PoE Ports: Port1- Port4 Power Supply: 58W
Transmission Method	Store-And-Forward
Switching Capacity	1Gbps
Mac Address Table	2K
Fan Quantity	Fanless
Max Power Consumption	1.678W (220V/50Hz. no PD connected) 64.82W (220V/50Hz. with 58W PD connected)
Max Heat Dissipation	5.73 BTU/h (no PD connected) 221.17 BTU/h (with 56W PD connected)
External Power Supply	External Power Adapter (Output: 48VDC / 1.25A)
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, User Guide
Environment	Operating Temperature: 0°C~40°C (32°F~104°F) Storage Temperature: -40°C~70°C (-40°F~158°F) Operating Humidity: 10% ~ 90%RH, non-condensing Storage Humidity: 5%~90%RH, non-condensing