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

MODEL: TL-SF1008LP 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
- 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
- Requires no configuration and installation

Overview

TL-SF1008LP is an unmanaged switch with 8 10/100Mbps ports 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 8 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-SF1008LP has the priority function which will help protect the system when the system power is overloaded. If all PoE PDs power consumption is ≥ 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 protect the system when the system power is overloaded. For example, port 1, 2 and 4 is using 12 W (maximum power per port is 15.4 W); the system power is 36 W in total. If there is an additional PD inserted to port 3 with 12 W, and then the system will cut off the power of port 4 because of the overloaded power, this means port 1, 2, and 3 will use 12 W, no power will be supplied to port 4.

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 to Use

TL-SF1008LP 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 8-Port 10/100Mbps Desktop Switch with 4-Port PoE TL-SF1008LP is a great selection for expanding your network.

Specifications

Hardware Features & Performance

Product Picture	
Model	TL-SF1008LP
Standards	IEEE 802.3i, IEEE 802.3u, IEEE 802.3x, IEEE 802.3af
Network Ports	8 * 10/100 Mbps RJ45 ports with 4 PoE ports (port 1 to port 4)
Network Media (Cable)	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	PoE Standard: IEEE 802.3af PoE Port 1–4, up to 15.4 W per port PoE Power Budget 41 W*
Auto-Negotiation	YES
Auto MDI/MDIX	YES
PoE Power on RJ45	Power+: pin 3 & pin 6 Power -: pin 1 & pin 2
Max Power Consumption	2.2 W (220 V/50 Hz no PD connected) 47.1 W (220 V/50 Hz with 41 W PD connected)
Max Heat Dissipation	7.5 BTU/h (no PD connected) 160.61 BTU/h (with 41 W PD connected)
Forwarding Mode	Store and Forward
Switch Capacity	1.6 Gbps
MAC Address Table	2k, Auto-learning, Auto-aging
Extend Mode	YES
Priority Mode	YES
Flow Conrol	YES
Fanless	YES
LED	Power, Link/Act, PoE Status, PoE MAX
Dimensions	6.7 x 3.9 x 1.1 in. (171 x 98 x 27 mm)
Certification	CE, FCC
Environment	Operating Temperature: 0°C to 40°C (32°F to 104°F) Storage Temperature: -40°C to 70°C (-40°F to 158°F) Operating Humidity: 10% to 90% RH, non-condensing Storage Humidity: 5% to 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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