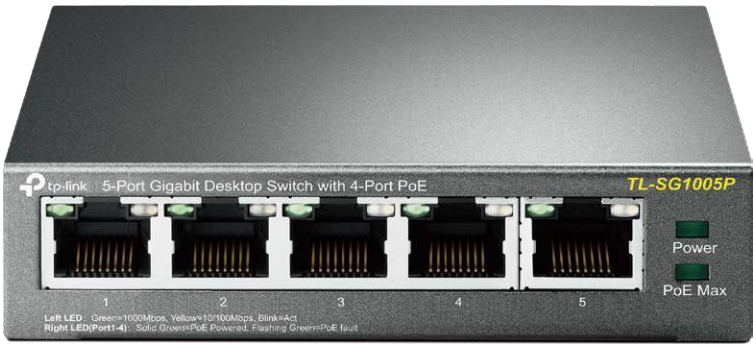
# 5-Port Gigabit Desktop Switch with 4-Port PoE

MODEL: TL-SG1005P Datasheet




## Highlights

- 5 10/100/1000Mbps RJ45 ports
- 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 56W for all PoE ports
- 802.1p/DSCP QoS enable smooth latency-sensitive traffic
- Plug and play, no configuration and installation required

# Overview

TL-SG1005P is a 5 10/100/1000Mbps 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-SG1005P has the priority function which will help protect the system when the system power is overloaded. If all PoE PDs power consumption is >= 56W, 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 protect the system if the system power becomes overloaded. For example, Port 1, 2 and 4 are using 15.4W (maximum power per port is 15.4W), the system power is 46.2W in total. If there is an additional PD inserted to Port 3 with 10W then the system will cut off Port 4 to protect the system, this means Port 1, 2 will use 15.4W, and Port 3 will use 10W, and no power will be supplied to Port 4.

# Easy of Use

TL-SG1005P is easy to install and use. It requires no configuration and installation. With desktop design, outstanding performance and quality, the TP-Link TL-SG1005P 5-Port Gigabit Desktop Switch with 4-Port PoE is a great selection for expanding your home or office network.

# Specifications

## Interface & Performance

| | |
|---|---|
| Product Picture |  |
| Model | TL-SG1005P |
| Standards | IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.1p, IEEE 802.3af |
| Interface | 5*10/100/1000Mbps 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 100m)<br>EIA/TIA-568 100Ω STP (maximum 100m)<br>100BASE-TX: UTP category 5, 5e cable (maximum 100m)<br>EIA/TIA-568 100Ω STP (maximum 100m)<br>1000BASE-T: UTP category 5, 5e, 6 or above cable (maximum 100m)<br>EIA/TIA-568 100Ω STP (maximum 100m) |
| Max Power Consumption | 3.95 W (220V/50Hz. no PD connected)<br>64.44 W (220V/50Hz. with 56w PD connected) |
| Max Heat Dissipation | 13.48 BTU/h (no PD connected)<br>219.87 BTU/h (with 56w PD connected) |
| PoE Ports (RJ45) | Standard: 802.3 af compliant<br>PoE Ports: Port1 - Port4<br>Power Supply: 56W |
| Transmission Method | Store-And-Forward |
| Switching Capacity | 10Gbps |
| Mac Address Table | 2K |
| Fan Quantity | Fanless |
| 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-SG1005P, Power Adapter, User 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 |



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