



# 10-Port Gigabit Desktop Switch with 8-Port PoE+

MODEL: TL-SG1210P Datasheet



## Overview

The TL-SG1210P provides 9 10/100/1000Mbps RJ45 ports and 1 Gigabit SFP port. Port 1 to port 8 of the switch support IEEE 802.3af/at compliant PDs with up to 30 W for each PoE port and total PoE power budget of 63 W\*. The TL-SG1210P is an unmanaged switch with desktop design, outstanding performance and quality, which is a great selection for expanding your network.

## Power over Ethernet

- 8 IEEE 802.3af/at compliant PoE+ ports, with a total PoE power budget of 63 W\*
- Flexible deployment for PoE supported devices such as wireless access points (APs), IP cameras and IP phones
- Designed to use a single Ethernet cable for both data and power transmission, lowering infrastructure costs

## Gigabit Expansion Solution

- 9 10/100/1000Mbps RJ45 ports and 1 Gigabit SFP port provide up to 20 Gbps Switching Capacity
- IEEE 802.3x flow control provides reliable data transfer

## Highlight Performance

- 802.1p and DSCP QoS ensures smooth traffic
- IGMP Snooping optimizes multicast applications
- Up to 250 m data and power transmission range under Extend Mode\*\*
- Priority Mode ensures high priority of ports 1–2 to guarantee the quality of the sensitive applications
- Isolation Mode allows one-click client traffic separation for higher security and performance
- Automatically reboots your dropped or unresponsive PoE-powered devices with PoE Auto Recovery
- Fanless design ensures quiet operation

## Easy to Use

- Just plug & play, no configuration required
- Auto MDI/MDIX eliminates the need for crossover cables
- Auto-negotiation intelligently adjusts for compatibility and optimal performance

# Specifications

## Hardware Features & Performance

|                       |   |
|-----------------------|---|
| Product Picture       |    |
| Model                 | TL-SG1210P  |
| Standards             | IEEE 802.3i, 802.3u, 802.3ab, 802.3x, 802.3af, 802.3at, 802.3z, 802.1p  |
| Network Ports         | 8 PoE+ 10/100/1000Mbps RJ45 Ports<br>1 10/100/1000Mbps RJ45 Port<br>1 Gigabit SFP Slot  |
| Network Media(Cable)  | 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 or above 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)<br>1000BASE-X MMF, SMF |
| PoE                   | PoE Standard: 802.3 af/at<br>PoE Ports 1-8, up to 30 W per port<br>PoE Power Budget 63 W*   |
| Auto Negotiation      | YES   |
| Auto MDI/MDIX         | YES   |
| Max Power Consumption | 7.0 W (220/50Hz. no PD connected)<br>77.24 W (220/50Hz. with 63W PD connected)  |
| Max Heat Dissipation  | 23.87 BTU/h (no PD connected)<br>263.39 BTU/h (with 63W PD connected)   |
| Forwarding Mode       | Store and Forward   |
| Switch Capacity       | 20 Gbps   |
| MAC Address Table     | 4K, Auto-learning, Auto-aging   |
| Extend Mode           | Yes (Ports 1-4)   |
| Priority Mode         | Yes (Ports 1-2)   |
| Isolation Mode        | Yes (Ports 1-4/5-8)   |
| PoE Auto Recovery     | Yes (Ports 1-8)   |
| Flow Control          | YES   |
| Fanless               | YES   |
| LED                   | Power, Link/Act, PoE Status, PoE MAX  |
| Dimensions            | 8.2 x 5.0 x 1.0 in. (209 × 126 × 26 mm)   |
| Certification         | CE, FCC   |
| Operating Temperature | 0°C to 40 °C (32 °F to 104°F )  |
| Storage Temperature   | -40 °C to 70 °C (-40 °F to 158°F )  |

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.

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