



# 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 1 10/100/1000Mbps RJ45 Port 1 Gigabit SFP Slot
Network Media(Cable)	10Base-T: UTP category 3, 4, 5 cable (maximum 100m) EIA/TIA-568 100Ω STP (maximum 100m) 100Base-TX: UTP category 5, 5e or above cable (maximum 100m) EIA/TIA-568 100Ω STP (maximum 100m) 1000Base-T: UTP category 5, 5e, 6 or above cable(maximum 100m) EIA/TIA-568 100Ω STP (maximum 100m) 1000BASE-X MMF, SMF
PoE	PoE Standard: 802.3 af/at PoE Ports 1-8, up to 30 W per port PoE Power Budget 63 W*
Auto Negotiation	YES
Auto MDI/MDIX	YES
Max Power Consumption	7.0 W (220/50Hz. no PD connected) 77.24 W (220/50Hz. with 63W PD connected)
Max Heat Dissipation	23.87 BTU/h (no PD connected) 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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