



# 8-Port Gigabit Desktop Switch with 4-Port PoE+

MODEL: TL-SG1008P Datasheet



## Overview

The TL-SG1008P provides 8 10/100/1000Mbps RJ45 ports, port 1 to port 4 of the switch support the 802.3af/at-compliant PoE standard with total PoE power budget of 64W\*. The TL-SG1008P is an unmanaged switch with desktop/wall-mountable design, outstanding performance and quality, which is a great selection for expanding your network.

## Power over Ethernet for Simplified Network Deployment

- Four 802.3af/at compliant PoE ports, with a total PoE power budget of 64W\*
- 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

- 8 10/100/1000Mbps ports provide up to 16Gbps Switching Capacity
- 16KB Jumbo Frame improves performance of large data transfers
- IEEE 802.3x flow control provides reliable data transfer

## Highlight Performance

- 802.1p and DSCP QoS ensures smooth traffic
- IGMP Snooping optimizes multicast applications
- 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-SG1008P  |
| Standards             | IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.3af, IEEE 802.3at, IEEE802.1p   |
| Network Ports         | 8*10/100/1000Mbps RJ45 ports with 4 PoE ports (port 1 to port 4)  |
| 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 cable or above cable(maximum 100m)<br>EIA/TIA-568 100Ω STP (maximum 100m) |
| PoE                   | PoE Standard: 802.3 af/at<br>PoE Ports 1-4, up to 30 W per port<br>PoE Power Budget 64 W*   |
| Auto Negotiation      | YES   |
| Auto MDI/MDIX         | YES   |
| Max Power Consumption | 5.39 W ( 220V/50Hz. no PD connected)<br>75 W (220V/50Hz. with 64W PD connected)   |
| Max Heat Dissipation  | 18.38 BTU/h (no PD connected)<br>255.75 BTU/h (with 64W PD connected)   |
| Forwarding Mode       | Store and Forward   |
| Switch Capacity       | 16Gbps  |
| MAC Address Table     | 4K, Auto-learning, Auto-aging   |
| Flow Control          | YES   |
| Fanless               | YES   |
| LED                   | Power, Link/Act, PoE Status, PoE MAX  |
| Dimensions            | 6.7x3.9x1.1in.(171x98x27mm)   |
| Certification         | CE, FCC   |
| Operating Temperature | -10 °C to 40 °C (14 °F to 104°F)  |
| Storage Temperature   | -40 °C to 70 °C (-40 °F to 158°F)   |
| Operating Humidity    | 10% to 90% non-condensing   |
| Storage Humidity      | 5% to 90% 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.

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