

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 home or office 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
- 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+ 10/100/1000 Mbps RJ45 Ports 1 10/100/1000 Mbps RJ45 Port 1 Gigabit SFP Slot
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 or above cable (maximum 100 m) EIA/TIA-568 100 Ω STP (maximum 100 m) 1000Base-T: UTP category 5, 5e, 6 or above cable(maximum 100 m) EIA/TIA-568 100 Ω STP (maximum 100 m) 1000BASE-X MMF, SMF
PoE	PoE Standard: 802.3af/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	7.11 W (220/50 Hz. no PD connected) 78.13 W (220/50 Hz. with 63 W PD connected)
Max Heat Dissipation	24.25 BTU/h (no PD connected) 266.42 BTU/h (with 63 W PD connected)
Forwarding Mode	Store and Forward
Switch Capacity	20 Gbps
MAC Address Table	4K, Auto-learning, Auto-aging
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)
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.

Ordering Information

Host Switches	
Product Model	Description
TL-SG1210P	10-Port Gigabit Desktop Switch with 8-Port PoE+
SFP Modules	
Product Model	Description
TL-SM311LS	Gigabit SFP module, Single-mode, LC interface, Up to 10 km distance
TL-SM311LM	Gigabit SFP module, Multi-mode, LC interface, Up to 550 m distance
TL-SM321A	Gigabit WDM Bi-Directional SFP Module, single-mode, LC connector, TX:1550 nm/RX:1310 nm, 10 km
TL-SM321B	Gigabit WDM Bi-Directional SFP Module, single-mode, LC connector, TX:1310 nm/RX:1550 nm, 10 km
Router	
Product Model	Description
TL-ER6120	SafeStream Gigabit Dual-WAN VPN Router
TL-ER5120	Gigabit Load Balance Broadband Router

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