

8-Port Gigabit Desktop/Rackmount Switch with 8-Port PoE+

MODEL: TL-SG1008MP Datasheet



Highlights

- 8× 10/100/1000Mbps RJ45 ports.
- Equipped with 8× PoE+ supported ports to transfer data and power over a single cable.
- Works with IEEE 802.3af/at compliant devices, expanding home and office networks.
- Innovative energy-efficient technology reduces power consumption.
- Supports PoE+ standard with total power budget of 153W* and up to 30W per port.
- Up to 250m data and power transmitting range under Extend Mode**.
- PoE Auto Recovery guarantees stable operation of PoE devices by automatically rebooting the dropped or unresponsive PD devices.
- Plug and play design, no configuration required.
- Fanless design reduces power consumption and ensures silent operation, ideal for noise-sensitive homes or businesses.

Power over Ethernet for Simplified Network Deployment

- Features eight 802.3af/at compliant PoE+ ports, with a total PoE power budget of 153 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

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

Highlight Performance

- 802.1p and DSCP QoS ensure smooth traffic.
- IGMP Snooping optimizes multicast applications.
- Up to 250m data and power transmitting range under Extend Mode.**
- PoE Auto Recovery guarantees stable operation of PoE devices by automatically rebooting the dropped or unresponsive PD devices.

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-SG1008MP
Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.3af, IEEE 802.3at, IEEE 802.1p
Network Ports	8*10/100/1000 Mbps PoE+ RJ45 ports
Network Media (Cable)	10Base-T: UTP category 3, 4, 5 cable (maximum 100 m) EIA/TIA-568 100_STP (maximum 100 m) 100Base-TX: UTP category 5, 5e or above cable (maximum 100 m) EIA/TIA-568 100_STP (maximum 100 m) 1000Base-T: UTP category 5, 5e cable or above cable (maximum 100 m) EIA/TIA-568 100_STP (maximum 100 m)
Auto Negotiation	YES
Auto MDI/MDIX	YES
Forwarding Mode	Store and Forward
Switch Capacity	16 Gbps
MAC Address Table	4K, Auto-learning, Auto-aging
Flow Control	YES
Backpressure	YES
Fan Quantity	Fanless
Extend Mode	YES (Ports 1–2)
PoE Auto Recovery	YES
Max Power Consumption	8.77 W (220 V/50 Hz. no PD connected) 172.49 W (110 V/60 Hz. with 153 W* PD connected)
Max Heat Dissipation	29.91 BTU/h (no PD connected) 588.19 BTU/h (with 153 W* PD connected)
LED	Power, PoE MAX, 1000 Mbps, Link/Act, PoE Status
Dimensions	11.6 × 7.1 × 1.7 in. (294 × 180 × 44 mm)
Certification	CE, FCC
Operating Temperature	0 °C to 45 °C (32 °F to 113 °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

Disclaimer:

*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.

**The speed of the ports in extend mode will downgrade to 10 Mbps. The actual transmission distance may vary due to power consumption of PoE-powered devices or the cable quality and type.

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