

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

MODEL: TL-SG1008MP Datasheet



Overview

The TL-SG1008MP is an 8-port Gigabit Desktop/Rackmount Switch with all 8 ports supporting the PoE+ standard. It provides a simple way to expand a wired network by transferring power and data over a single Ethernet Cable. With a total power budget of 126 W, up to 30 W per port, TL-SG1008MP can power more high-powered devices such as wireless Access Points (APs), IP Cameras or IP Phones. Moreover, with innovative energy-efficient technology, the TL-SG1008MP can save power consumption, making it an eco-friendly solution for your business network.

Power over Ethernet for Simplified Network Deployment

- Features eight 802.3af/at compliant PoE+ ports, with a total PoE power budget of 126 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.

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 RJ45 ports with 8 PoE 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 | 1 |
| Max Power Consumption | 9.89 W (220 V/50 Hz. no PD connected) 144.36 W (110 V/60 Hz. with 126 W PD connected) |
| Max Heat Dissipation | 33.74 BTU/h (no PD connected) 492.56 BTU/h (with 126 W PD connected) |
| LED | Power, 1000 Mbps, Link/Act, PoE Status, PoE MAX |
| Dimensions | 11.6 × 7.1 × 1.7 in. (294 × 180 × 44 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 |
| Jumbo Frame | 16 KB |

Ordering Information

| Host Switches | |
|---------------|---|
| Product Model | Description |
| TL-SG1008MP | 8-Port Gigabit Desktop/Rackmount Switch with 8-Port PoE |
| TL-SG1008P | 8-Port Gigabit Desktop Switch with 4-Port PoE |
| PoE Adapter | |
| Product Model | Description |
| TL-POE10R | PoE Splitter |
| Router | |
| Product Model | Description |
| TL-ER604W | SafeStream Wireless N Gigabit Broadband VPN Router |
| TL-ER6120 | SafeStream Gigabit Dual-WAN VPN Router |

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