



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

MODEL: TL-SG1008PE Datasheet



Overview

The TL-SG1008PE 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 126W, up to 30W per port, TL-SG1008PE 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-SG1008PE can save power consumption, making it an eco-friendly solution for your business network.

Power over Ethernet for Simplified Network Deployment

- Features 8 802.3af/at compliant PoE+ ports, with a total PoE power budget of 126W
- 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

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-SG1008PE
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*10/100/1000Mbps RJ45 ports with 8 PoE ports
Network Media(Cable)	10Base-T: UTP category 3, 4, 5 cable (maximum 100m) EIA/TIA-568 100_ STP (maximum 100m) 100Base-TX: UTP category 5, 5e or above cable (maximum 100m) EIA/TIA-568 100_ STP (maximum 100m) 1000Base-T: UTP category 5, 5e cable or above cable(maximum 100m) EIA/TIA-568 100_ STP (maximum 100m)
Auto Negotiation	YES
Auto MDI/MDIX	YES
Forwarding Mode	Store and Forward
Switch Capacity	16Gbps
MAC Address Table	4K, Auto-learning, Auto-aging
Flow Control	YES
Backpressure	YES
Fan Quantity	1
Max Power Consumption	9.89W (220V/50Hz. no PD connected) 144.36W (110V/60Hz. with 124W PD connected)
Max Heat Dissipation	33.74BTU/h (no PD connected) 492.56BTU/h (with 124W PD connected)
LED	Power, 1000Mbps, 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	16KB

Ordering Information

Host Switches	
Product Model	Description
TL-SG1008PE	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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