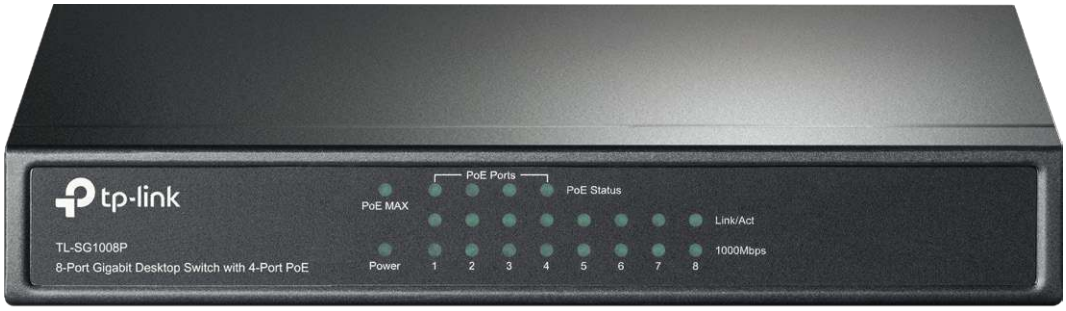
8-Port Gigabit Desktop Switch with 4-Port PoE

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-compliant PoE standard with total PoE power budget of 55W. The TL-SG1008P 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 for Simplified Network Deployment

- Four 802.3af compliant PoE ports, with a total PoE power budget of 55W
- Flexible deployment for PoE suppoted 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, 802.1p
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) EIA/TIA-568 100Ω STP (maximum 100m) 100Base-TX: UTP category 5, 5e or above cable (maximum 100m) EIA/TIA-568 100Ω STP (maximum 100m) 1000Base-T: UTP category 5, 5e cable or above cable(maximum 100m) EIA/TIA-568 100Ω STP (maximum 100m)
Auto Negotiation	YES
Auto MDI/MDIX	YES
Max Power Consumption	5.49W (220V/50Hz. no PD connected) 65.24W (220V/50Hz. with 55w PD connected)
Max Heat Dissipation	18.73 BTU/h (no PD connected) 222.60 BTU/h (with 55w 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, 1000Mbps, Link/Act, PoE Status, PoE MAX
Dimensions	6.7x3.9x1.1in.(171x98x27mm)
Certifecation	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

Ordering Information

Host Switches	
Product Model	Description
TL-SG1008P	8-Port Gigabit Desktop Switch with 4-Port PoE
TL-SG1008PE	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

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