TP-LINK®

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

TL-SG1008PE Datasheet

Overview

The TL-SG1008PE is an 8-port Gigabit Desktop/Rackmount Switch with all 8 ports suported, it provides a simple means 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

All 8 Auto-Negotiation RJ45 ports of the switch support Power over Ethernet Plus(PoE+) function. These PoE+ ports can automatically detect and supply power with those IEEE 802.3af/at compliant Powered Devices (PDs).

- Overload Arrangement

TL-SG1008PE has the priority function which will help protect the system when the system power is overloaded. If all PoE PDs power consumption is >= 126W, a priority will be arranged among the PoE+ ports, then the system will cut off the power of the lowest-priority port.

- Port Priority Function

Priority (port 1>port 2>port 3>port 4>port 5>port 6>port 7>port 8): This function will help protect the system if the system power becomes overloaded. For example, Port 1, 2, 4 and 7 are using 30W (maximum power per port is 30W), the system power is 120W in total (PoE+ max LED is red). If there is an additionalPD inserted to Port 3 with 25W then the system will cut off Port 7 to protect the system, this means Port 1, 2 and 4 will use 30W, and Port3 will use 25W, and no power will be supplied to Port 7.

Easy to Use

TL-SG1008PE is easy to install and use. It requires no configuration and installation. With Desktop/Rackmount design, outstanding performance and quality, the TP-LINK TL-SG1008PE 8-Port Gigabit Desktop/Rackmount Switch with 8-Port PoE is a great selection for expanding your home or office network.

Ordering Information

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
LED	Power, 1000Mbps, Link/Act, PoE Status, PoE MAX
Dimensions	11.6*7.1*1.7 in. (294*180*44 mm)
Certifecation	CE,FCC
Operating Temperature	0°C ~40 °C (32 °F ~104°F)
Storage Temperature	-40 °C ~70 °C (-40 °F ~158°F)
Operating Humidity	10%~90% non-condensing
Storage Humidity	5%~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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