# 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)<br>EIA/TIA-568 100_ STP (maximum 100m)<br>100Base-TX: UTP category 5, 5e or above cable (maximum 100m)<br>EIA/TIA-568 100_ STP (maximum 100m)<br>1000Base-T: UTP category 5, 5e cable or above cable(maximum 100m)<br>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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