



3296-088

16 PORT GIGABIT 802.3af P.O.E. SWITCH

TP-LINK (TL-SG1016PE) 16-Port Gigabit Easy Smart Desktop/Rackmount Switch, 8-Port PoE+, Metal



Description

- 16 10/100/1000Mbps RJ45 ports
- Equipped with 8 PoE+ supported ports to transfer data and power over a single cable
- Works with IEEE 802.3af/at compliant devices, expanding home and office networks
- Simple network set-up on top of plug-and-play connectivity
- Web-based user interface and management utility simplify configuration

What This Product Does

The TL-SG1016PE is an 16-Port Gigabit Desktop/Rack mountable Switch with 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 110W, up to 30W per port, TL-SG1016PE 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-SG1016PE can save up to 75% of the power consumption, making it an eco-friendly solution for your business network.

How This Product Works

8 ports of TL-SG1016PE support Power over Ethernet Plus (PoE+) standard which can automatically detect and supply power to any IEEE 802.3af/at compliant device(s). In this situation, the electrical power is transmitted along with data in a single cable, allowing you to expand your network where there are electrical cables or outlets, where you wish to fix devices such as APs, IP Cameras or IP Phones.

Overload Arrangement

TL-SG1016PE has a priority function which helps protect the system when its power is overloaded. If all PoE+ devices' power consumption is greater than or equal to 110W, a priority will be arranged among the 16 PoE+ ports, at which point 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 F > port 8): This function helps protect the system if the power becomes overloaded. For example, if port 1, 2, 4 and 7 are using 30W (maximum power per port is 30W, the system power is 120W in total), and there is an additional device inserted into Port 3 at 25W, the system will cut off the power of Port 7 in response to the power exceeding the 120W limit., This means Port 1, 2 and 4 will use 30W, and Port 3 will use 25W, with no power will be supplied to Port 7 as it has the lowest designated priority among the ports in use.

Easy To Use

TL-SG1016PE is easy to install and use. It requires no configuration or installation. With its Desktop/Rack mountable design, outstanding performance and quality, the TP-LINK TL-SG1016PE 16-Port Gigabit Desktop/Rack mountable Switch with 8-Port PoE is a great choice for expanding your home or office network.

Full Specification

Rackmountable

Yes

Managed

Smart

Number of Ports

16

RJ45 Data Transfer Rate

10/100/1000 Mbps

Interface(s)

16 x 10/100/1000Mbps RJ45 Ports
AUTO Negotiation/AUTO MDI/MDIX

PoE Ports (RJ45)

Standard: 802.3 at compliant

PoE Ports: Port 1- Port 8

PoE Power Budget: 110W

Standards and Protocols

IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.1q, IEEE 802.1p

Switching Capacity

32Gbps

Power Supply

100-240VAC, 50/60Hz / PoE

Dimensions

294 x 180 x 44 mm

Mac Address Table

8K

Packet Forwarding Rate

23.8Mbps

Jumbo Frame

9KB

Advanced Functions

See Overview

Quality of Service

Support Port-Based/802.1p/DSCP priority

Support 4 priority queues

Rate Limit

Storm Control

Layer Features

L2 Features:

IGMP Snooping V1/V2/V3

Link Aggregation

Port Mirroring

Cable Diagnostics

Loop Prevention

VLAN

Supports up to 128 VLANs simultaneously (out of 4K VLAN IDs)

MTU/Port/Tag VLAN

Management

Web-based GUI

Easy Smart Configuration Utility

Environment

Operating Temperature: 0C~40C (32F~104F)

Storage Temperature: -40C~70C (-40F~158F)

Operating Humidity: 10%~90% non-condensing

Storage Humidity: 5%~90% non-condensing

Package Contents

TL-SG1016PE

Power Cord

Installation Guide

Resource CD

Rackmount Kit

Rubber Feet

Package Type

Retail

Package Weight

2.4600 kg