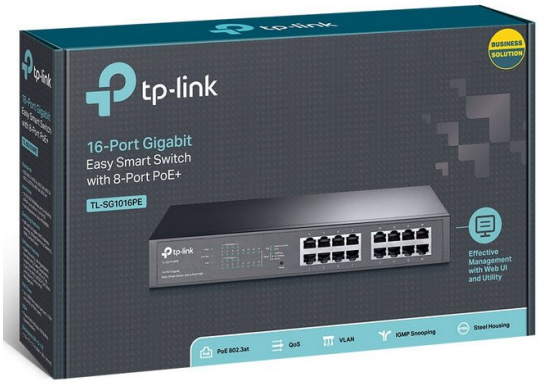
ComX Computers
Product Specification Sheet

TP-SG1016PE

TP-Link 16-port Gigabit Easy Smart PoE+ Switch, 110W PoE for 8 PoE+ ports

Product Overview

TP-Link 16-port Gigabit Easy Smart PoE+ Switch, 110W PoE for 8 PoE+ ports



Specifications

Overview:

The TL-SG1016PE is a 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 single network cables. With a total power budget of 110W, up to 30W per port, TL-SG1016PE if flexible to support low power devices, such as wireless access point (AP), network camera or IP Phone or few high-power devices such as high power wireless or PTZ camera. 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. TL-SG1016PE support 8 Power over Ethernet Plus (PoE+) ports, which can automatically negociate and supply appropriate power to any IEEE 802.3af/at compliant device. In this situation, the electrical power is transmitted along with data on a single cable, allows you expanding your network where you want to install your wireless AP, camera or phone and no electric outlet available.

Features:

- 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

Overload Protection
TL-SG1016PE is limiting its PoE power supply when its power is over the limit. When accumulated PoE power consumption exceeds 110W, the output current will be automatically limited and a PoE priority mechanism will be kick-in to arrange the priority among the 8 PoE ports.

Port Priority Function
PoE power priority is arranged along with the port number. The port 1 has the highest priority and the port 8 has the lowest priority. This function will help protect the system if the system power becomes overloaded. For example, Port 1, 2, 3, 4, and 5 are using 30w (maximum power per port is 30W), the system power is 110w in total (PoE max LED will be on if all PoE PDs

power consumption is more than 110W). If there is an additional PD inserted to Port 4 with 20w then the system will cut off Port 5 power supply to protect the system, this means Port 1, 2, 3, will use 90w, and Port 4 will use 20w, and no power will be supplied to Port 5.

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.

Specifications:

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Specifications	
Product Code	TP-SG1016PE
HARDWARE FEATURES	
Standards and Protocols	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.1q, IEEE 802.1p
Interface	16 10/100/1000Mbps RJ45 Ports
	AUTO Negotiation/AUTO MDI/MDIX
Network Media	10BASE-T: UTP category 3, 4, 5 cable (maximum 100m)
	EIA/TIA-568 100ohm STP (maximum 100m)
	100BASE-TX: UTP category 5, 5e cable (maximum 100m)
	EIA/TIA-568 100ohm STP (maximum 100m)
	1000BASE-T: UTP category 5, 5e, 6 or above cable (maximum 100m)
	EIA/TIA-568 100ohm STP (maximum 100m)
Fan Quantity	1
Power Supply	100-240VAC, 50/60Hz
Power Consumption	Maximum: 124.4W (220V/50Hz)
PoE Ports (RJ45)	Standard: 802.3 at compliant
	PoE Ports: Port 1- Port 8
	PoE Power Budget: 110W
Dimensions (W x D x H)	11.6*7.1*1.7 in. (294*180*44 mm)
PERFORMANCE	
Switching Capacity	32Gbps
Packet Forwarding Rate	23.8Mbps
MAC Address Table	8K
Packet Buffer Memory	4.1Mbit
Jumbo Frame	9KB
SOFTWARE FEATURES	

Quality of Service	Support Port-Based/802.1p/DSCP priority
	Support 4 priority queues
	Rate Limit
	Storm Control
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
Transmission Method	Store-And-Forward
OTHERS	
Certification	FCC, CE, RoHS
Package Contents	TL-SG1016PE
	Power Cord
	Installation Guide
	Resource CD
	Rackmount Kit
	Rubber Feet
System Requirements	Microsoft Windows for running Utility
Environment	Operating Temperature: 0 degreesC~40 degreesC (32 degreesF~104 degreesF)
	Storage Temperature: -40 degreesC~70 degreesC (-40 degreesF~158 degreesF)
	Operating Humidity: 10%~90% non-condensing
	Storage Humidity: 5%~90% non-condensing

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/TP-SG1016PE-TP-Link-16-port-Gigabit-Easy-Smart-PoE-Switch-110W-PoE-for-8-PoE-ports-p-207640.php

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