

NET-TL-SG1016PE

TP-Link TL-SG1016PE 16-Port Gigabit Easy Smart PoE Switch with 8-Port PoE+

Product Overview

TP-Link TL-SG1016PE 16-Port Gigabit Easy Smart PoE Switch with 8-Port PoE+



Specifications

Overview:

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.

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.

Features:

- 16 10/100/1000Mbps RJ45 ports
- Equipped with 8 PoE+ supported ports to transfer data and power over a single cable
- With a total PoE power budget of 110W, up to 30W per port
- 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 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

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Product Specification Sheet

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.

Specifications:

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Specifications

Product Code	NET-TL-SG1016PE
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HARDWARE FEATURES

Standards and Protocols	IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.1q, IEEE 802.1p
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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
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Power Supply	100-240VAC, 50/60Hz
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Power Consumption	Maximum: 124.4W (220V/50Hz)
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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)
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PERFORMANCE

Switching Capacity	32Gbps
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Packet Forwarding Rate	23.8Mbps
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MAC Address Table	8K
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Packet Buffer Memory	4.1Mbit
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Jumbo Frame	9KB
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SOFTWARE FEATURES

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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/NET-TL-SG1016PE-TP-Link-TL-SG1016PE-16-Port-Gigabit-Buy-p-211169.php>

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