

16-Port Gigabit Easy Smart Switch with 8-Port PoE+

MODEL: TL-SG1016PE Datasheet



Overview

The TL-SG1016PE is a 16-port Gigabit Easy Smart Switch with 8 PoE ports, represents a powerful upgrade from an unmanaged switch. It is designed for small businesses specially that require simple network management and PoE function. The TL-SG1016PE can connect and power up to 8 PoE devices, such as wireless access points (APs), IP cameras, and IP phones. Through its web-based use interface and management utility, the TL-SG1016PE offers a variety of useful features, including network monitoring, traffic prioritization, and enhanced QoS. Additionally, with port-based, tag-based and MTU VLAN, TL-SG1016PE can improve security and meet more network segmentation requirements.

Power Over Ethernet

8 of the 16 Auto-Negotiation RJ45 ports (port 1 to port 8) of the switch support Power over Ethernet (PoE) function. These PoE ports can automatically detect and supply power with those IEEE 802.3at compliant Powered Devices (PDs).

Specifications

Hardware Features & Performance

Product Picture		
Model		TL-SG1016PE
Hardware Features		
General	Interface	16 10/100/1000Mbps RJ45
Performance	Switching Capacity	32Gbps
	Forwarding Rate	23.8Mpps
	MAC Address Table	8K
	Packet Buffer Memory	4.1Mbits
	Jumbo Frame	9kB
Physical & Environment	Power Supply	100~240V, 50/60Hz
	PoE Ports (RJ45)	Standard: 802.3 at compliant PoE Ports: Port 1- Port 8 PoE Power Budget: 110W
	Max Power Consumption	14.72W (110V/60Hz. no PD connected) 131.42W (110V/60Hz. with 110W PD connected)
	Max Heat Dissipation	50.22 BTU/h (no PD connected) 448.41 BTU/h (with 110W PD connected)
	Dimensions(W*D*H)	11.6 * 7.1 * 1.7 in. (294 * 180 * 44 mm), 13-inch Rack mount Steel Case, 1U Height
	FAN Quantity	1
	Operating Temperature	0°C~40°C (32°F~104°F)
	Storage Temperature	-40°C~70°C (-40°F~158°F)
	Operating Humidity	10% ~ 90%RH, non-condensing
	Storage Humidity	5%~90%RH, non-condensing
	Certification	CE, FCC

Software Features

L2 Features	• IGMP Snooping - IGMP v1/v2/v3 Snooping - Supports 128 Groups • Link Aggregation - Supports static link aggregation - Supports up to 8 aggregation groups, containing 4 ports per group	• Port Mirroring - One to One - Many to One • Cable Test • Loop Prevention
VLAN	• Supports up to 128 VLANs (out of 4K VLAN IDs) • MTU/Port/802.1Q tag VLAN	
Quality of Service (QoS)	• Support Port-based/802.1p/DSCP priority • Support 4 priority queues	• Rate Limit • Storm Control
Management	• Easy Smart Conguration Utility - Central Management - Friendly user interface	• Web-based Graphic User Interface (GUI)
Ethernet Protocols	• IEEE 802.3i 10BASE-T • IEEE 802.3u 100BASE-TX/FX • IEEE 802.3ab 1000BASE-T	• IEEE 802.3x Flow Control • IEEE 802.1q VLANs/VLAN tagging • IEEE 802.1p QoS