TL-SG1008

TP-Link TL-SG1008 8 Port Gigabit Desktop / Rackmount Switch

Product Overview

TP-Link TL-SG1008 8 Port Gigabit Desktop / Rackmount Switch, 8x Gigabit RJ45 Ports, Fanless, 13" or 19" Rack mountable, 16Gbps switching capacity





Specifications

Overview Summary:

The TP-Link TL-SG1008 8-Port Gigabit Switch is designed for fast, reliable, and energy-efficient network connections. Perfect for offices or small businesses, this fanless switch provides 8 Gigabit RJ45 ports with auto MDI/MDIX, making setup simple and hassle-free. Its compact design fits neatly on desktops or racks, while supporting 13" or 19" rack mounting. Enjoy smooth, latency-sensitive traffic with 802.1p/DSCP QoS and eco-friendly energy savings.

Expand your network effortlessly with the TL-SG1008 and benefit from its 16Gbps switching capacity and scalable 4K MAC address table. Ideal for growing businesses, it ensures consistent data transmission and reliable performance. Shop now to upgrade your network infrastructure with a robust, easy-to-install gigabit switch.

Performance tier: Business / SMB

Uses: Office networking, Small business network expansion, Desktop network setup, Rackmount network deployment, Energy-efficient networking

Overview:

TL-SG1008 8-Port Gigabit Desktop and Rackmount Switch
Experience reliable and high-speed networking with the TP-Link TL-SG1008 8-Port Gigabit switch, designed for both desktop and rackmount setups. This compact, energy-efficient switch delivers seamless connectivity for small to medium-sized networks, supporting 8 Gigabit RJ45 ports for fast data transfer. Its fanless design ensures silent operation, while flexible mounting options allow installation on a desk or in a standard 13" or 19" rack.

Description:

The TL-SG1008 provides plug-and-play simplicity with auto MDI/MDIX on all ports, eliminating the need for crossover cables.

It uses energy-efficient technology to adjust power based on cable length and link status, reducing power consumption and environmental impact. With 16Gbps switching capacity and a 4K MAC address table, it handles high-volume traffic effortlessly. Dynamic LED indicators display real-time status and assist with basic troubleshooting. Compact yet versatile, this switch ensures reliable, fast, and eco-conscious network expansion.

Features:

Seamless Gigabit Connectivity
All 8 ports support 10/100/1000 Mbps connections, automatically detecting the optimal speed for each device. Auto-negotiation and auto MDI/MDIX features simplify installation, allowing immediate connection without configuration. This switch is ideal for desktops with limited space but can also be securely mounted in standard racks.

Energy-Efficient Network Solution
The TL-SG1008 incorporates TP-Link Green Technology to reduce power usage. It adjusts energy consumption based on cable length and link activity, contributing to lower electricity costs and a smaller carbon footprint. Its design complies with RoHS standards and uses recyclable packaging materials, making it an environmentally conscious choice for business networks.

Optimized Performance for Heavy Traffic
With a non-blocking wire-speed architecture and 16Gbps switching capacity, the TL-SG1008 delivers smooth and reliable data transmission. It supports 802.3x flow control for full-duplex mode and backpressure flow control for half-duplex, ensuring minimal packet loss and reduced network congestion. Jumbo frame support up to 16KB enables efficient handling of large data transfers.

User-Friendly Design
Installation is straightforward with plug-and-play operation. Dynamic LEDs provide clear status updates, and the compact, fanless design allows quiet, maintenance-free operation. Rackmount brackets are included for versatile deployment, making the TL-SG1008 a flexible choice for growing networks.

Connectivity and Compatibility
Supports 10BASE-T, 100BASE-TX, and 1000BASE-T network media with UTP cabling up to 100 meters. Compatible with IEEE 802.3i, 802.3u, 802.3ab, 802.3x, and 802.1p standards. Its 4K MAC address table accommodates large networks while maintaining high-speed performance.

Package Contents
8-Port Gigabit Desktop Switch, power cord, installation guide, rackmount kit, and rubber feet.

Environmental Conditions
Operates between 0degrees C to 40degrees C and can be stored from -40degrees C to 70degrees C. Humidity tolerance ranges from 10% to 90% for operation and 5% to 90% for storage, ensuring reliability in diverse environments.

Specifications:

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Specifications	
Product Code	TL-SG1008
HARDWARE FEATURES	

Standards and Protocols	IEEE 802.3i
	IEEE 802.3u
	IEEE 802.3ab
	IEEE 802.3x
	IEEE 802.1p
Interface	8 10/100/1000Mbps RJ45 Ports (Auto Negotiation/Auto MDI/MDIX)
Network Media	10BASE-T: UTP category 3, 4, 5 cable (maximum 100m)
	100BASE-TX/1000BASE-T: UTP category 5, 5e or above cable (maximum 100m)
Fan Quantity	Fanless
Power Supply	100-240VAC, 50/60Hz
Max. Power Consumption	Maximum: 4.1W
Dimensions (W x D x H)	11.6 x 7.1 x 1.7 in.
	(294 x 180 x 44 mm)
Mounting	13" or 19" Rack Mountable
Max. Power Consumption	4.3W
Max. Heat Dissipation	14.67BTU/h
PERFORMANCE	
Switching Capacity	16Gbps
Packet Forwarding Rate	11.9Mpps
MAC Address Table	4K
Jumbo Frame	16KB
Transmission Method	Store-and-Forward
SOFTWARE FEATURES	
Advanced Features	MAC address auto-learning and auto-aging
	IEEE802.3x Flow control
	802.1p/DSCP QoS
OTHERS	
Certification	FCC, RoHS
Package Content	8-Port Gigabit Desktop Switch
	Power Cord
	Installation Guide
	Rackmount kit
	Rubber Feet
Environment	Operating Temperature: 0degreesC~40degreesC (32degreesF~104degreesF)
	Storage Temperature: -40degreesC~70degreesC (-40degreesF~158degreesF)
	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/TL-SG1008-TP-Link-TL-SG1008-8-Port-Gigabit-Desktop-Rackmount-Switch-p-333631.php

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