48-Port Gigabit Rackmount Switch

MODEL: TL-SG1048 Datasheet



Highlights

- 48 10/100/1000Mbps RJ45 ports
- Innovative energy-efficient technology saves power
- Supports MAC address self-learning and auto MDI/MDIX
- Standard 19-inch rack-mountable steel case

Overview

The TL-SG1048 Gigabit Ethernet Switch provides you with a high-performance, low-cost, easy-to-use, seamless and standard upgrade to improve old network to 1000Mbps network. All 48 ports support auto MDI/MDIX, no need to worry about the cable type, simply plug and play. Moreover, with the innovative energy-efficient technology, the TL-SG1048 can save power consumption, making it an eco-friendly solution for your business network.

TP-Link Green Technology

The 48-Port Gigabit Rackmount Switch TL-SG1048 features the latest innovative energy-efficient technologies that can greatly expand your network capacity with much less power. It automatically adjusts power consumption according to the link status to limit the carbon footprint of your network. It also complies with the EU's RoHS, prohibiting the use of certain hazardous materials. Besides, most packaging material can be recycled.

High Performance

All 48 ports are Gigabit RJ-45 ports which can provide large le transferring and also be compatible with 10Mbps and 100Mbps Ethernet devices. Featuring non-blocking switching architecture, TL-SG1048 forwards and filter packets at full wire-speed for maximum throughput. With 12KB Jumbo frame, the performance of large-les transfers is improved significantly. And IEEE 802.3x flow control for Full Duplex mode and backpressure for Half Duplex mode alleviate the traffic congestion and make TL-SG1048 work reliably. It's a perfect choice to update your network to Gigabit while protecting your previous investment properly.

Easy to Use

The auto features of this gigabit switch make installation plug and play and hassle-free. No configuration is required. Auto MDI/MDIX eliminates the need for crossover cables. Auto-negotiation on each port senses the link speed of a network device (10, 100, or 1000 Mbps) and intelligently adjusts for compatibility and optimal performance.

Specifications

Features & Performance	
Product Picture	
Model	TL-SG1048
Standards	IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x
Forwarding Mode	Store and Forward
Interface	48*10/100/1000 Mbps RJ45 ports Auto Negotiation Auto MDI/MDIX
Switching Capacity	96 Gbps
MAC Address Table	16 K
Packet Forwarding Rate	71.4 Mpps
Jumbo Frame	12KB
Advanced Features	Green Technology 802.3x Flow Control
Max Power Consumption	32.29 W (220 V/50 Hz)
Max Heat Dissipation	110.17 BTU/h
LEDS	Power, Speed, Link and Activity
Power Supply	100-240 V, 50/60 Hz
Dimensions	17.3*8.7*1.73 in. (440*220*44 mm)
Certifications	CE, FCC, RoHS
Environment	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

Ordering Information

Product Model	Description
TL-SG1048	48-Port Gigabit Rackmount Switch

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