10/100/1000Mbps Desktop Switch

MODELS: TL-SG105/TL-SG108/TL-SG116 Datasheet

Highlights

- 10/100/1000Mbps Auto-Negotiation RJ45 ports supporting Auto-MDI/MDIX
- Green Ethernet technology saves power
- IEEE 802.3x flow control provides reliable data transfer
- Steel housing, desktop or wall-mounting design
- Support 802.1p/DSCP QoS and IGMP Snooping function
- Plug and play, no configuration needed

Overview

The TP-Link Gigabit Unmanaged Switch TL-SG105/TL-SG108/TL-SG116 provide an easy way to expand your wired network. With all ports support Auto-MDI/MDIX, there's no need to worry about the type of cable to use. Featuring full duplex mode, TL-SG105/TL-SG108/TL-SG116 can process data at a rate up to 2000Mbps, making it an ideal choice for expanding your high performance wired network. Moreover, with innovative energy-efficient technology, TL-SG105/TL-SG108/TL-SG116 can save power consumption, making it an eco-friendly solution for your home or office network.

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Gigabit Switch

Featured 10/100/1000Mbps ports, TL-SG105/TL-SG108/TL-SG116 greatly expands your network capacity, enabling instant large files transferring. So, power users in the home, office, workgroup, or creative production environment can now move large, bandwidth-intensive files faster. Transfer graphics, CGI, CAD, or multimedia files across the network instantly.

Power down Idle Ports

When a computer or network equipment is off, the corresponding port of a traditional switch will continue to consume considerable amounts of power. TL-SG105/TL-SG108/TL-SG116 can automatically detect the link status of each port and reduce the power consumption of ports that are idle, resulting in up to reduction in power use.

Power Budget According to Cable Length

Ideally, shorter cable would use less power because of less power degradation over their length. This is not the case with most devices as they will use the same amount of power across the cable regardless of the length.

Easy to Use

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

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Specifications

Features & Performance			
Product Picture			
Model	TL-SG105	TL-SG108	TL-SG116
Standards	IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.1p		
Forwarding Mode	Store and forward		
Interface	5 10/100/1000Mbps RJ45 ports Auto Negotiation Auto MDI/MDIX	8 10/100/1000Mbps RJ45 ports Auto Negotiation Auto MDI/MDIX	16 10/100/1000Mbps RJ45 ports Auto Negotiation Auto MDI/MDIX
Switching Capacity	10Gbps	16Gbps	32Gbps
MAC Address Table	2K	4K	8K
Packet Forwarding Rate	7.4Mpps	11.9Mpps	23.8Mpps
Buffer Memory	1Mb	1.5Mb	4.1Mb
Jumbo Frame	16KB	16KB	10KB
Advanced Features	Green Technology 802.3x Flow Control 802.1p/DSCP QoS IGMP Snooping		
Max Power Consumption	2.3W (220V/50Hz)	3.31W (220V/50Hz)	10.0W (220V/50Hz)
Max Heat Dissipation	7.843 BTU/h	11.29 BTU/h	34.12 BTU/h
LEDs	Power, Link/Act (indicators per port built into RJ45 port)		
Power Supply	External Adapter(output: 5VDC/0.6A)	External Adapter(output: 9VDC/0.6A)	External Adapter(output: 12VDC/1.0A)
Dimensions (W × D × H)	3.9 x 3.9 x 1.0 in. (99.8 x 98 x 25 mm)	6.2 x 4.0 x 1.0 in. (158 x 101 x 25 mm)	11.26 x 4.4 x 1.0 in. (286*111.7*25.4 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%~95%RH, non-condensing		

Ordering Information

Product Model	Description
TL-SG105	5-Port 10/100/1000Mbps Desktop Switch
TL-SG108	8-Port 10/100/1000Mbps Desktop Switch
TL-SG116	16-Port 10/100/1000Mbps Desktop Switch

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