8/16/24-Port Gigabit Desktop&Rackmount Switch
TL-SG1008、 TL-SG1016D、 TL-SG1024D

10X speed of fast ethernet products enables instant large files transferring	Innovative energy-efficient technology saves power up to 75%	Hassle free setup, no configuration required

Description：

The TL-SG1008/TL-SG1016D/TL-SG1024D 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 8/16/24 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-SG1008/TL-SG1016D/TL-SG1024D can save up to 75%/40%/20%[1] of the power consumption and 80% of the packaging material can be recycled, making it an eco-friendly solution for your business network.

High Performance

All 8/16/24 ports are Gigabit RJ-45 ports which can provide large file transferring and also be compatible with 10Mbps and 100Mbps Ethernet devices. Featuring non-blocking switching architecture，the TL-SG1008/TL-SG1016D/TL-SG1024D forwards and filters packets at full wire-speed for maximum throughput. With 15K/10K/10K Jumbo frame，the performance of large files 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 The TL-SG1008/TL-SG1016D/TL-SG1024D work reliably. It's a perfect choice to update your network to Gigabit while protecting your previous investment properly.

TP-LINK Green Technology

This new generation the TL-SG1008/TL-SG1016D/TL-SG1024D Gigabit Switch 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 and cable length to limit the carbon footprint of your network. It also complies with the EU'S RoHS, prohibiting the use of certain hazardous materials. Besides, 80% of the packaging material can be recycled.

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 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：

	TL-SG1008	TL-SG1016D	TL-SG1024D
Forwarding Mode	Store and forward	Store and forward	Store and forward
Switch Capacity	16Gbps	32Gbps	48Gbps
Jubo Frame	15K	10K	10K
MAC address Table	8k	8k	8k
Power saving	up to 75%	up to 40%	up to 20%
Flow Control	IEEE802.3x flow control for Full-Duplex Mode and backpressure for Half-Duplex Mode		
LED	Power, Link/Act (1000Mbps, 10/100Mbps)	Power, Link/Act (1000Mbps, 10/100Mbps)	Power, Link/Act (1000Mbps, 10/100Mbps)
Network Ports	10/100/1000Mbps Auto-Negotiation RJ45 ports (Auto MDI/MDIX)		
	8	16	24
Fanless Design	YES	YES	NO
AC Power	5.7W	13W	18W
Dimensions	11.6*7.1*1.7 in (294*180*44 mm)	11.6*7.1*1.7 in (294*180*44 mm)	11.6*7.1*1.7 in (294*180*44 mm)
Operating Temperature	0℃~40℃ (32℉~104℉)	0℃~40℃ (32℉~104℉)	0℃~40℃ (32℉~104℉)
Storage Temperature	-40℃~70℃ (-40℉~158℉)	-40℃~70℃ (-40℉~158℉)	-40℃~70℃ (-40℉~158℉)
Operating Humidity	0%~90% non-condensing	0%~90% non-condensing	0%~90% non-condensing
Storage Humidity	5%~90% non-condensing	5%~90% non-condensing	5%~90% non-condensing
Safety Approvals	FCC, CE	FCC, CE	FCC, CE
Ordering Information	8-port gigabit desktop&rackmount fanless switch, green	16-port gigabit desktop&rackmount fanless switch, green	24-port gigabit desktop&rackmount switch, green

Features：

- Innovative energy-efficient technology saves power up to 75%/40%/20%
- Supports IEEE 802.3x flow control for Full Duplex mode and backpressure for Half Duplex mode
- Non-blocking switching architecture that forwards and filters packets at full wire-speed for maximum throughput
- 16/32/48 Gbps Switching Capacity
- 15K/10K/10K Jumbo frame improves performance of large data transfers
- Store and forward Switching scheme
- Auto-MDI/MDIX eliminates the need for crossover cables
- Supports MAC address auto-learning and auto-aging
- Auto-negotiation ports provide smart integration between 10Mbps, 100Mbps and 1000Mbps hardware.
- Desktop and Rack-mountable design
- Plug and Play design simplifies installation
- Quiet/Fanless design to make sure it works quietly without disturbing your family

24 / 7
Global technical support

- Details:http://www.tp-link.com/support/Localesupport.asp
- German/Austrian/Swiss users are not included

1. Maximum power savings when compared to a TP-LINK conventional switch, the real saving rate may vary based on the usage condition.

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