



# 5/8-Port 10/100/1000Mbps Desktop Switch

## TL-SG105 / TL-SG108

### Overview

The TP-LINK Gigabit Unmanaged Switch TL-SG105 and TL-SG108 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 and TL-SG108 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 and TL-SG108 can save up to 84%/82% of the power consumption, making it an eco-friendly solution for your home or office network.

**Green Technology**

- Saving power consumption
- Recyclable packaging material

**High Performance**

- IEEE 802.3x flow control
- Non-blocking switching architecture
- Store and forward
- Auto-negotiation
- Auto-MDI/MDIX
- MAC address auto-learning and auto-aging
- Jumbo Frame support

**Advanced Features**

- 802.1p/DSCP QoS
- IGMP Snooping

**Easy to use**

- Plug and Play design



- Details:<http://www.tp-link.com/support/Localesupport.asp>
- German/Austrian/Swiss users are



## 5/8-Port 10/100/1000Mbps Desktop Switch

### TL-SG105 / TL-SG108

#### Gigabit Switch

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

#### Go Green With Your Ethernet

You now have the choice to go green when upgrading to a gigabit network! This new generation TL-SG105 and TL-SG108 feature 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.

#### 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 and TL-SG108 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.



#### Traffic Optimization

802.1p and DSCP QoS enable smooth latency-sensitive traffic such as voice and video, and IGMP Snooping optimizes the Multicast data stream.

#### 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.

## Specifications:

Product Picture		
<b>Model</b>	<b>TL-SG105</b>	<b>TL-SG108</b>
<b>Standards</b>	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.1p	
<b>Forwarding Mode</b>	Store and forward	
<b>Interface</b>	5 10/100/1000 Mbps ports Auto Negotiation Auto MDI/MDIX	8 10/100/1000 Mbps ports Auto Negotiation Auto MDI/MDIX
<b>Switching Capacity</b>	10Gbps	16Gbps
<b>MAC Address Table</b>	2K	4K
<b>Packet Forwarding Rate</b>	7.4Mpps	11.9Mpps
<b>Buffer Memory</b>	1Mb	2Mb
<b>Jumbo Frame</b>	15KB	15KB
<b>Advanced Features</b>	Green Technology 802.3x Flow Control 802.1p/DSCP QoS IGMP Snooping	
<b>Max Power Consumption</b>	3.2W	3.97W
<b>Energy Saving</b>	84%	82%
<b>LEDs</b>	Power, Link, Speed and Activity (indicators per port built into RJ45 port)	
<b>Power Supply</b>	External Adapter (output: 9V 0.6A)	External Adapter (output: 9V 0.6A)
<b>Dimensions(W × D × H)</b>	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)
<b>Certifications</b>	CE, FCC, RoHS	
<b>Environment</b>	Operating Temperature: 0°C~40°C (32°F~104°F) Storage Temperature: -40°C~70°C (-40°F~158°F) Operating Humidity: 10% ~ 90%, non-condensing Storage Humidity: 5%~90% 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

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