# TP-LINK®

## 5/8-Port Gigabit Desktop Switch
## TL-SG1005D、 TL-SG1008D

green TP-LINK®



| | | |
|---|---|---|
| 10X speed of fast Ethernet products enables instant large files transferring | Innovative Green Technology saves power up to 80% | Hassle free setup, no configuration required |



## Description：

The TL-SG1005D/TL-SG1008D Gigabit Desktop Switch provides you with a high-performance, low-cost, easy-to-use, seamless and standard upgrade to improve old network to 1000Mbps network. All 5/8 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-SG1005D/TL-SG1008D can save up to 75%/80%* 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 5/8 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-SG1005D/TL-SG1008D forwards and filters packets at full wire-speed for maximum throughput. With 15K/15K 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 TL-SG1005D/TL-SG1008D work reliably. It's a perfect choice to update your network to Gigabit while protecting your previous investment properly.
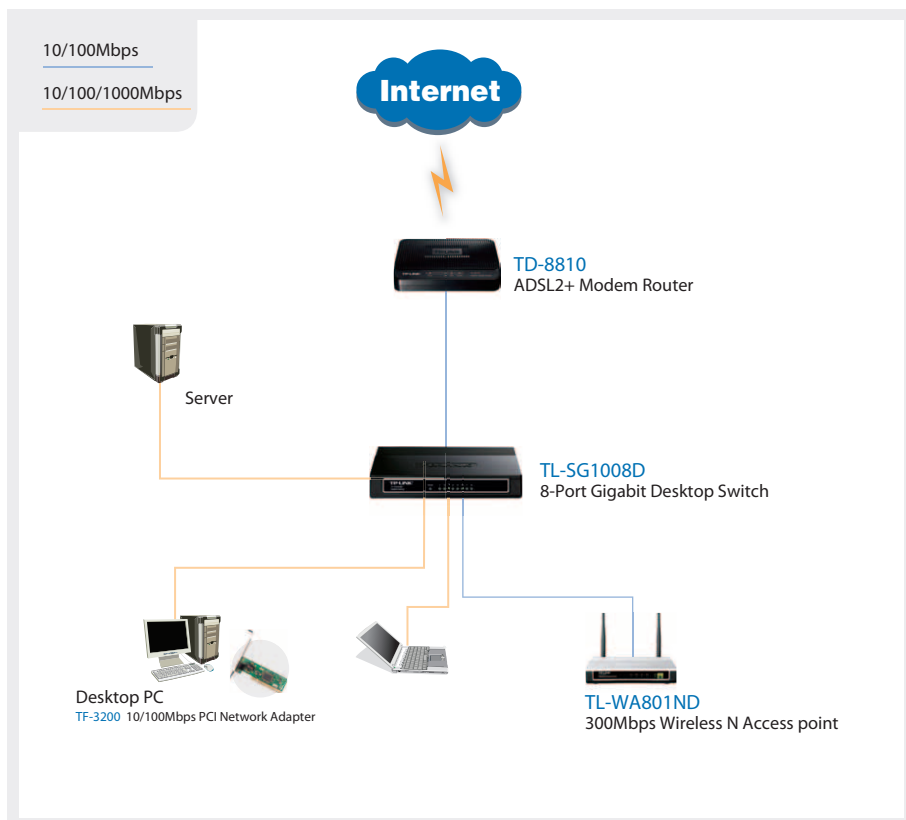
## TP-LINK Green Technology

This new generation TL-SG1005D/TL-SG1008D 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.

## Diagram:

10/100Mbps

10/100/1000Mbps

**Internet**

TD-8810
ADSL2+ Modem Router

Server

TL-SG1008D
8-Port Gigabit Desktop Switch

Desktop PC
TF-3200  10/100Mbps PCI Network Adapter

TL-WA801ND
300Mbps Wireless N Access point

## Features：

- Innovative energy-efficient technology saves power up to 75%/80%

- 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

- 10/16 Gbps Switching Capacity

- 15k/15k 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.

- 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.

# Specifications：

| | TL-SG1005D | TL-SG1008D |
|---|---|---|
| Standards | IEEE 802.3<br>IEEE 802.3u<br>IEEE 802.3ab<br>IEEE 802.3x | IEEE 802.3<br>IEEE 802.3u<br>IEEE 802.3ab<br>IEEE 802.3x |
| Network Ports | 5*10/100/1000Mbps RJ45 Port | 8*10/100/1000Mbps RJ45 Port |
| Auto Negotiation | YES | YES |
| Auto MDI/MDIX | YES | YES |
| Systems | Windows 2000/XP/Vista/7<br>Linux<br>MAC OS | Windows 2000/XP/Vista/7<br>Linux<br>MAC OS |
| Forwarding Mode | Store and Forward | Store and Forward |
| Switch Capacity | 10 Gbps | 16 Gbps |
| MAC Address Table | 8 K | 8 K |
| Jumbo Frame | 15 K | 15 K |
| Flow Conrol | YES | YES |
| Power Saving | Up to 75% | Up to 80% |
| LED | Power、Link/Act | Power、Link/Act |
| AC Power | 9V / 0.6A | 9V / 0.85A |
| Dimensions | 165*108*28mm | 165*108*28mm |
| Operating Temperature | 0℃~40℃ (32℉~104℉) | 0℃~40℃ (32℉~104℉) |
| Storage Temperature | -40℃~70℃ (-40℉~158℉) | -40℃~70℃ (-40℉~158℉) |
| Operating Humidity | 0%~90% non-condensing | 0%~90% non-condensing |
| Storage Humidity | 5%~90% non-condensing | 5%~90% non-condensing |
| | | |
| Ordering Information | 5-port gigabit desktop switch, green | 8-port gigabit desktop switch, green |

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