

## Installation Guide

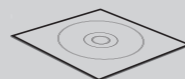
### 8-Port Gigabit Easy Smart Switch

MODEL NO. TL-SG108E

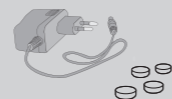
## Package Contents



TL-SG108E



Resource CD



Power Cord and Rubber Cushions



IG

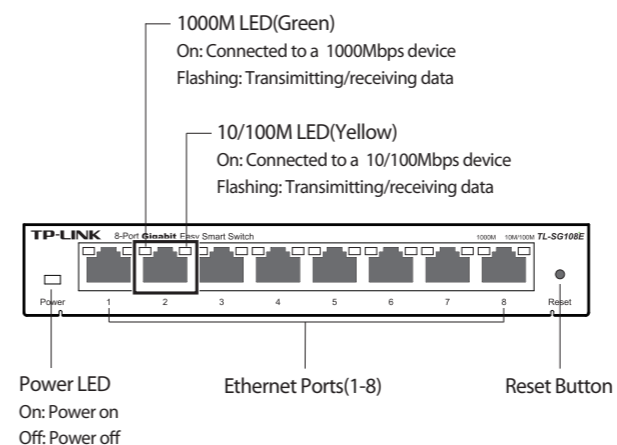


1. Make sure that the box contains the above items. If any of the listed items are damaged or missing, please contact your distributor.
2. The switch or TL-SG108E mentioned in this User Guide stands for TL-SG108E 8-Port Gigabit Easy Smart Switch without any explanation.

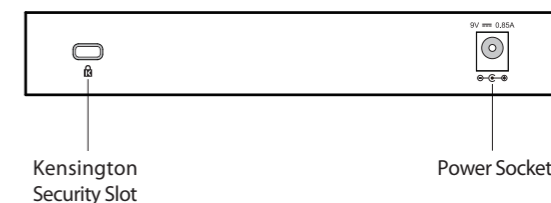
## 1 Overview of the Product

The TL-SG108E 8-Port Gigabit Easy Smart Switch is an ideal upgrade from an unmanaged switch, designed for Small and Medium Business networks that require simple network management. Network administrators can effectively monitor traffic via Port Mirroring, Loop Prevention and Cable Test features. To optimize traffic on your business network, it offers both port and tag based QoS to keep latency-sensitive traffic moving smoothly and jitter-free. Additionally, port-based, tag-based and MTU VLAN can improve security and meet more network segmentation requirements. Moreover, with the innovative energy-efficient technology, they are eco-friendly solution for your business network.

### Front Panel



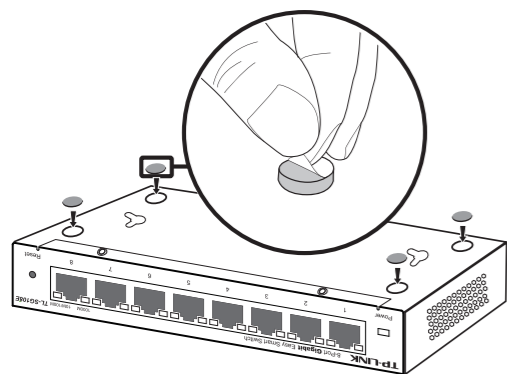
### Rear Panel



## 2 Installation

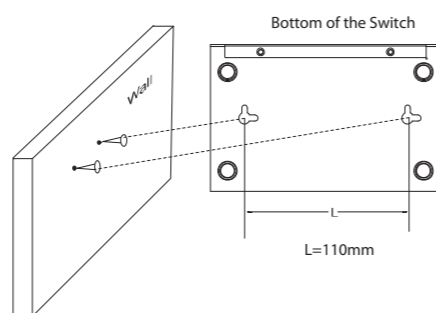
The switch can be either located on a desktop or mounted on a wall.

### 1 Mounting the Switch on a Desk



- Step 1. Place the switch upside down on a flat desk.
- Step 2. Remove the adhesive backing paper from the rubber cushions.
- Step 3. Attach the supplied four rubber cushions to the recessed areas on the bottom at each corner of the switch.
- Step 4. Turn over the switch.

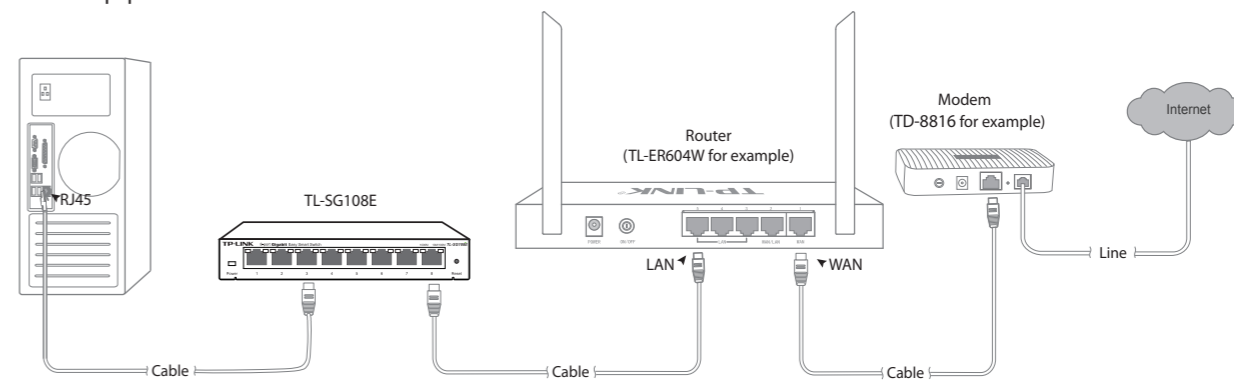
### 2 Mounting the Switch on a Wall



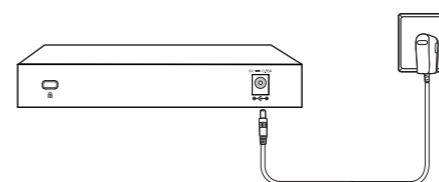
- Step 1. Drill two holes into the wall. Insert a screw into each hole and leave a part of its head exposed.
- Step 2. Place the two wall-mounting slots over the screws and slide the switch down to fasten it.

## 3 Connection

### Step 1. Connect equipment



### Step 2. Connect power



### Initialization

Powering on the switch, it will automatically initialize and its LED indicators will respond as follows:

1. The Power LED indicator will light on all the time.
2. After keeping off for several seconds, the rest of the LED indicators will flash momentarily, and then work normally after the initialization.





If the LED indicators don't respond as described above, please check the power supply and its connection.


## 4 Set up the Configuration Utility

The switch is plug and play. You can install a configuration utility to select additional options to manage and customize the switch for your network. The utility is provided on the resource CD, and is only supported on Windows now.

### Install the configuration utility

1. Insert the resource CD into a computer that is connected to the switch.
2. Open the file folder and double click the icon . Then follow the prompts to install the program. The switch configuration utility is installed in the program directory of your computer and a utility icon  on your computer desktop.

### Configure the switch

1. Double click the icon  on your computer desktop. The configuration utility home page displays a list of TP-LINK Easy Smart Switches on the local network.
2. Double click the switch which you want to configure. You are asked to enter the username and password for the switch. The default username and password are both *admin*.
3. Use the utility to configure the switch.

For more details about how to install the utility and how to configure the switch, see the *Easy Smart Configuration Utility User Guide* on the resource CD.

## Appendix 1: Troubleshooting

### Q1.The Power LED is not lit

The Power LED should be lit up when the power system works normally. If the Power LED is not lit, please check as follows:

- 1) Make sure the AC power cord connected the switch with power source properly.
- 2) Make sure the voltage of the power supply meets the requirement of the input voltage of the switch.
- 3) Make sure the power source is ON.

### Q2.The Link/Act LED is not lit when a device is connected to the corresponding port

You are recommended to check the following items:

- 1) Make sure that the cable connectors are firmly plugged into the switch and the device.
- 2) Make sure the connected device is turned on and working well.
- 3) The cable must be less than 100 meters long (328 feet).

## Appendix 2: Specifications

General	
Standards	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3x, IEEE802.1p, IEEE802.1q
Protocol	CSMA/CD
Data Transfer Rate	Ethernet: 10Mbps (Half Duplex) 20Mbps (Full Duplex) Fast Ethernet: 100Mbps (Half Duplex) 200Mbps (Full Duplex) Gigabit Ethernet: 2000Mbps (Full Duplex)
Network Media(Cable)	10Base-T: UTP category 3, 4, 5 cable (maximum 100m) EIA/TIA-568 100Ω STP (maximum 100m) 100Base-TX: UTP category 5, 5e cable (maximum 100m) EIA/TIA-568 100Ω STP (maximum 100m) 1000Base-T: UTP category 5 cable (maximum 100m) EIA/TIA-568 100Ω STP (maximum 100m)
Number of Ports	8 10/100/1000Mbps Auto-Negotiation RJ45 ports
LED indicators	Power, 10/100Mbps LED, 1000Mbps LED
Transfer Method	Store and Forward
MAC Address Learning	automatically learning, automatically aging
Frame Filter Rate	10Base-T: 14881pps/Port 100Base-Tx: 148810pps/Port 1000Base-T: 1488095pps/Port
Frame Forward Rate	10Base-T: 14881pps/Port 100Base-Tx: 148810pps/Port 1000Base-T: 1488095pps/Port

Environmental and Physical	
Operating Temperature	0 ~40 °C ( 32 ~104 °F )
Storage Temperature	-40 ~70 °C (-40 ~158 °F )
Operating Humidity	10%~90% non-condensing
Storage Humidity	5%~90% non-condensing

## FCC STATEMENT



This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- 1) This device may not cause harmful interference.
- 2) This device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## CE Mark Warning



This is a class A product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.



## SAFETY NOTICES



### Cautions

Do not use this product near water, for example, in a wet basement or near a swimming pool.

Avoid using this product during an electrical storm. There may be a remote risk of electric shock from lightning.

## COPYRIGHT & TRADEMARKS

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<http://www.tp-link.com>

## Technical Support

- For more troubleshooting help, go to [www.tp-link.com/en/support/faq](http://www.tp-link.com/en/support/faq)
- To download the latest Firmware, Driver, Utility and User Guide, go to <http://www.tp-link.com/en/support/download/>
- For all other technical support, please contact us by using the following details:

<b>Global</b> Tel: +86 755 2650 4400 Fee: Depending on rate of different carriers, IDD. E-mail: support@tp-link.com Service time: 24hrs, 7 days a week	<b>Australia / New Zealand</b> Tel: AU 1300 87 5465 (Depending on 1300 policy.) NZ 0800 87 5465 (Toll Free) E-mail: support.au@tp-link.com (Australia) support.nz@tp-link.com (New Zealand) Service time: 24hrs, 7 days a week
<b>Singapore</b> Tel: +65 6284 0493 Fee: Depending on rate of different carriers. E-mail: support.sg@tp-link.com Service time: 24hrs, 7 days a week	<b>Turkey</b> Tel: 0850 72 444 88 (Turkish Service) Fee: Depending on rate of different carriers. E-mail: support.tr@tp-link.com Service time: 9:00 to 21:00, 7days a week
<b>UK</b> Tel: +44 (0) 845 147 0017 Fee: Landline: 1p-10.5p/min, depending on the time of day. Mobile: 15p-40p/min, depending on your mobile network. E-mail: support.uk@tp-link.com Service time: 24hrs, 7days a week	<b>Switzerland</b> Tel: +41 (0) 848 800 998 (German Service) E-mail: support.ch@tp-link.com Fee: 4-8 Rp/min, depending on rate of different time Service time: Monday to Friday, 09:00 to 12:30 and 13:30 to 18:00. GMT+1 or GMT+2 (DST)
<b>USA / Canada</b> Toll Free: +1 866 225 8139 E-mail: support.usa@tp-link.com(USA) support.usa@tp-link.com(Canada) Service time: 24hrs, 7days a week	<b>Brazil</b> Toll Free: 0800 608 9799 (Portuguese Service) E-mail: suporte.br@tp-link.com Service time: Monday to Friday, 9:00 to 20:00; Saturday, 9:00 to 15:00
<b>Malaysia</b> Toll Free: 1300 88 875 465 E-mail: support.my@tp-link.com Service time: 24hrs, 7days a week	<b>Poland</b> Tel: +48 (0) 801 080 618 +48 223 606 363 (if calls from mobile phone) Fee: Depending on rate of different carriers. E-mail: support.pl@tp-link.com Service time: Monday to Friday 9:00 to 17:00 GMT+1 or GMT+2 (DST)
<b>Italy</b> Tel: +39 023 051 9020 Fee: Depending on rate of different carriers. E-mail: support.it@tp-link.com Service time: Monday to Friday, 09:00 to 13:00; 14:00 to 18:00	<b>France</b> Tel: 0820 800 860 (French service) E-mail: support.fr@tp-link.com Fee: 0.118 EUR/min from France Service time: Monday to Friday, 9:00 to 18:00 *Except French Bank holidays
<b>Germany / Austria</b> Tel: +49 1805 875 465 (German Service) +49 1805 TPLINK +43 820 820 360 Fee: Landline from Germany: 0.14EUR/min. Landline from Austria: 0.20EUR/min. E-mail: support.de@tp-link.com Service Time: Monday to Friday, 09:00 to 12:30 and 13:30 to 18:00. GMT+1 or GMT+2 (DST in Germany) * Except bank holidays in Hesse	<b>Indonesia</b> Tel: (+62) 021 6386 1936 Fee: Depending on rate of different carriers. E-mail: support.id@tp-link.com Service time: Sunday to Friday, 09:00 to 12:00, 13:00 to 18:00 *Except public holidays
	<b>Russian Federation</b> Tel: 8 (499) 754 5560 (Moscow NO.) 8 (800) 250 5560 (Toll-free within RF) E-mail: support.ru@tp-link.com Service time: From 9:00 to 21:00 (Moscow time) *Except weekends and holidays in RF