RJ45 Ports. All ports can work as the Uplink port, and the "Uplink" mark under Port 8 can be ignored.
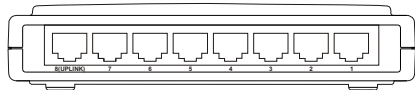

Figure 3-2 TL-SF1008D Switch Rear Panel sketch

3.3 LED indicators

The LED indicators include Power LED and Link/Act LEDs. The LED indicators are used for monitoring and troubleshooting of the Switch. The following section shows the LED indicators for the Switch along with an explanation of each indicator.
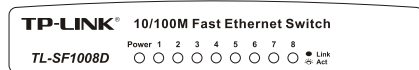

Figure 3-3 TL-SF1008D Switch LEDs sketch

Power LED: This indicator will light up when the Switch powers up. If the LED is not lit, please check the power adapter and connection.

LINK/ACT LEDs: These LEDs indicate Link/Active status. One LED indicator will light green when a device is connected to the corresponding port. It flashes when data is being transmitted or received on the connection.

Appendix A: Specifications

General	
Standards	IEEE802.3 10Base-T, IEEE802.3u 100Base-TX
Topology	Star
Protocol	CSMA/CD
Data Transfer Rate	Ethernet: 10Mbps (Half Duplex), 20Mbps (Full Duplex); Fast Ethernet: 100Mbps (Half Duplex), 200Mbps (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)
Number of Ports	5/8/16 10/100Mbps Auto-Negotiation ports
LED indicators	Power, Link/Act
Transfer Method	Store-and-Forward
MAC Address Learning	Automatically learning, automatically update
Frame Filter Rate	10Base-T: 14880pps/Port; 100Base-Tx: 148800pps/Port
Frame Forward Rate	10Base-T: 14880pps/Port; 100Base-Tx: 148800pps/Port

Environmental and Physical	
Dimensions (W×D×H)	5.5"×3.3"×1.2" (140mm×85mm×30mm) (TL-SF1005D/TL-SF1008D) 11.2"×4.6"×1.1" (285mm×116mm×28mm) (TL-SF1016D)
Power Supply Output	AC12V~ 0.35A for TL-SF1005D AC9V~ 0.8A for TL-SF1008D/ TL-SF1016D
Operating Temperature	0℃~40℃ (32℉~104℉)
Storage Temperature	-40~70℃ (-40℉~158℉)
Operating Humidity	10%~90% non-condensing
Storage humidity	5%~95% non-condensing

Appendix B: Troubleshooting

1. **The Power LED is not lit**

    Make sure the AC power Adapter is plugged into an outlet properly and it's connector is plugged into the power jack of the switch.
    Make sure the power source is ON.
    Make sure you are using the TP-LINK power adapter supplied with your switch.

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

    Make sure that the cable connectors are firmly plugged into the Switch and the device.
    Make sure the connected device is turned on and its adapter is installed correctly and is working.
    The cable must be less than 100 meters (328 feet).

Appendix C: Contact Information

For help with the installation or operation of the TP-LINK TL-SF1005D/TL-SF1008D/TL-SF1016D Switch, please contact us.

E-mail: support@tp-link.com

Website: http://www.tp-link.com

TP-LINK® User's Guide

TL-SF1005D
TL-SF1008D
TL-SF1016D

10/100Mbps Fast Ethernet Switch

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FCC STATEMENT

The 5-port/8-port Switch has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.
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.

EC DECLARATION OF CONFORMITY (EUROPE)
In compliance with the EMC Directive 89/336/EEC, Low Voltage Directive 73/23/EEC, the 5-port/8-port Switch meets the requirements of the following standards:
En55022
En55024
En60950

INDUSTRY CANADA (CANADA)

This Class B digital apparatus (the 5-port/8-port Switch) complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

SAFETY NOTICES

⚠ **Caution:**

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.

Package Contents

The following contents should be found in your box:
One TL-SF1005D/TL-SF1008D/TL-SF1016D Switch
One AC power Adapter
This User's Guide
Wall-mounting screws
Note: If any of the above contents is damaged or missing, please contact the retailer from whom you purchased the TL-SF1005D/TL-SF1008D/TL-SF1016D Switch for assistance.

Chapter 1: Introduction

1.1   Overview of the product

TL-SF1005D/TL-SF1008D/TL-SF1016D 5/8/16-port 10/100Mbps Fast Ethernet Switch provides 5/8/16 10/100Mbps Auto-Negotiation RJ45 ports. All ports support Auto MDI/MDIX function, eliminating the need for crossover cables or Uplink ports. The Switch is Plug-and-Play and each port can be used as general ports or Uplink ports and can be simply plugged into a server, a hub or a switch, using straight cable or crossover cable.

The TP-LINK TL-SF1005D/TL-SF1008D/TL-SF1016D 5/8/16-port 10/100M Fast Ethernet Switch provides you with a low-cost, easy-to-use, high-performance, seamless and standard upgrade to improve your old network to a 100Mbps network. It will boost your network performance up to full duplex data

transfer. Its wire-speed switching that forwards packets can be as fast as the speed that your network delivers those packets to them.

1.2   Features

Complies with IEEE802.3, IEEE802.3u standards
5/8/16 10/100Mbps Auto-Negotiation RJ45 ports supporting Auto-MDI/MDIX
Supports IEEE802.3x flow control for Full Duplex mode and backpressure for half-duplex mode
Supports MAC address auto-learning and auto-aging
LED indicators for monitoring power, link, activity
Plastic case, desktop or wall-mounting design
External Power Adapter supply

Chapter 2: Installation

2.1 Installation

To install the Switch, please follow these steps:

1.   You can place the Switch on a flat table or a vertical wall if you want to hang the Switch.

2.   Please inspect the Power Adapter carefully, and make sure that it is properly connected to a power source.

3.   Be sure to leave enough space for heat dissipation and good ventilation in the Switch. Do not place heavy objects on the Switch.

2.2   Power on

After the Switch powers up, it will be automatically initialised and the LED indicators should respond as follows:

1)   All of the Link/Act LED indicators will flash momentarily, which represent a resetting of the system.

2)   The Power LED indicators will light up.

Chapter 3: Identifying External Components

This Chapter describes the front panel, rear panel and LED indicators of the Switch. The sketches of the front panel, rear panel and LED indicators are very similar to the TL-SF1005D, TL-SF1008D and TL-SF1016D models. The following sketches are for TL-SF1008D.

3.1 Front Panel

The front panel of the TL-SF1008D consists of several LED indicators.
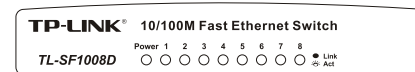

Figure 3-1 TL-SF1008D Switch Front Panel sketch

3.2 Rear Panel

The rear panel of the TL-SF1008D consists of 8 10/100Mbps