



Business Networking Solution

Installation Guide

Jetstream L2 Managed Switch

TL-SG5412F/T2500G-10MPS/T2600G-28SQ

T2500G-10TS (TL-SG3210)/T2500-28TC (TL-SL5428E)

T2600G-18TS (TL-SG3216)/T2600G-28TS (TL-SG3424)

T2600G-52TS (TL-SG3452)/T2600G-28MPS (TL-SG3424P)

About this Installation Guide

This Installation Guide describes the hardware characteristics, installation methods and the points that should be attended to during the installation. This Installation Guide is structured as follows:

Chapter 1 Introduction

This chapter describes the external components of the switch.

Chapter 2 Installation

This chapter illustrates how to install the switch.

Chapter 3 Connection

This chapter illustrates how to do the physical connection of the switch.

Appendix A Troubleshooting

Appendix B Hardware Specifications

Audience

This Installation Guide is for:

Network Engineer

Network Administrator

Conventions

- Some models featured in this guide may be unavailable in your country or region. For local sales information, visit <http://www.tp-link.com>.
- The figures in Chapter 2 to Chapter 3 are for demonstration purposes only. Your switch may differ in appearance from that depicted.
- This Guide uses the specific formats to highlight special messages. The following table lists the notice icons that are used throughout this guide.

	Remind to be careful. A caution indicates a potential which may result in device damage.
	Remind to take notice. The note contains the helpful information for a better use of the product.

Related Document

The User Guide and CLI Reference Guide of the product are provided on the resource CD. To obtain the latest product information, please visit the official website:

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

Contents

Chapter 1	Introduction	01
1.1	Product Overview	01
1.2	Appearance	01
Chapter 2	Installation	07
2.1	Package Contents	07
2.2	Safety Precautions	07
2.3	Installation Tools	09
2.4	Product Installation	09
Chapter 3	Connection	12
3.1	Ethernet Port	12
3.2	SFP Port	12
3.3	Console Port	12
3.4	Verify Installation	13
3.5	Power On	14
3.6	Initialization	14
3.7	Accessing the Switch	14
Appendix A	Troubleshooting	15
Appendix B	Hardware Specifications	16

Chapter 1 Introduction

1.1 Product Overview

Designed for workgroups and departments, TP-Link JetStream L2 Managed Switch provides wire-speed performance and abundant L2 management features. It provides a variety of service features and multiple powerful functions with high security.

The EIA-standardized framework and smart configuration capacity can provide flexible solutions for a variable scale of networks. ACL, 802.1x and Dynamic ARP Inspection provide robust security strategies. QoS and IGMP snooping/filtering optimize voice and video application. Link aggregation (LACP) increases aggregated bandwidth, optimizing the transport of business critical data. SNMP, RMON, WEB and CLI Log-in bring abundant management policies. TP-Link JetStream L2 Managed Switch integrates multiple functions with excellent performance, and is friendly to manage, which can fully meet the need of the users demanding higher networking performance.

T2500G-10MPS/T2600G-28MPS is also a Power Sourcing Equipment (PSE*). All the RJ45 ports on the switch support Power over Ethernet (PoE*) function, which can automatically detect and supply power with those powered devices (PDs*) complying with IEEE 802.3af and IEEE 802.3at.

*PSE: a device (switch or hub for instance) that provides power through an Ethernet cable.

*PoE: This technology describes a system to transmit electrical power, along with data, to remote devices over standard twisted-pair cable in an Ethernet.

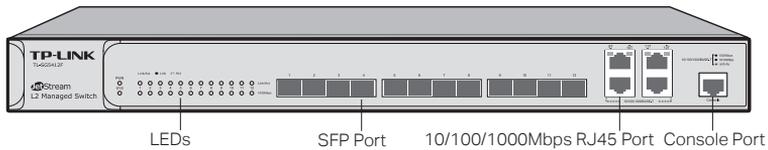
*PD: a device powered by a PSE and thus consumes energy. Examples include powering network cameras, wireless LAN access points, IP telephones, network hubs, embedded computers etc.

1.2 Appearance

Front Panel

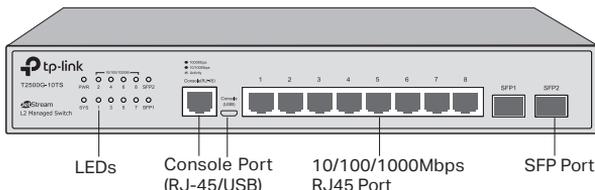
The front panel of TL-SG5412F is shown as the following figure.

Figure 1-1 Front Panel of TL-SG5412F



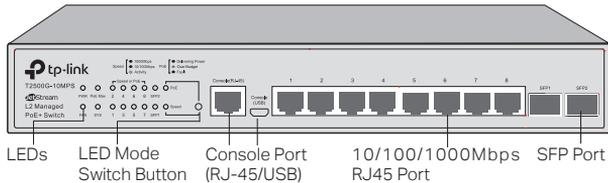
The front panel of T2500G-10TS is shown as the following figure.

Figure 1-2 Front Panel of T2500G-10TS



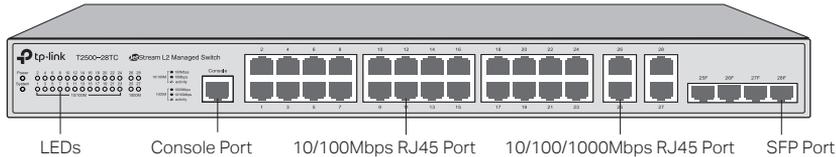
The front panel of T2500G-10MPS is shown as the following figure.

Figure 1-3 Front Panel of T2500G-10MPS



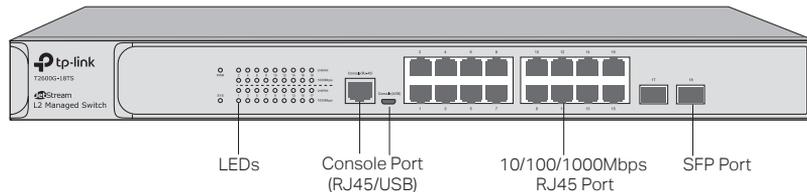
The front panel of T2500-28TC is shown as the following figure.

Figure 1-4 Front Panel of T2500-28TC



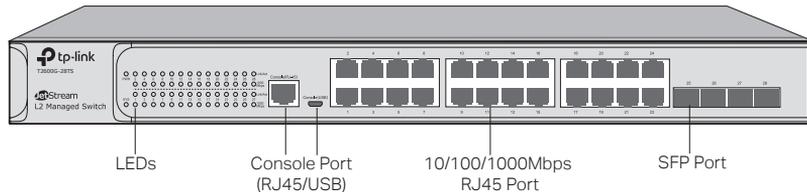
The front panel of T2600G-18TS is shown as the following figure.

Figure 1-5 Front Panel of T2600G-18TS



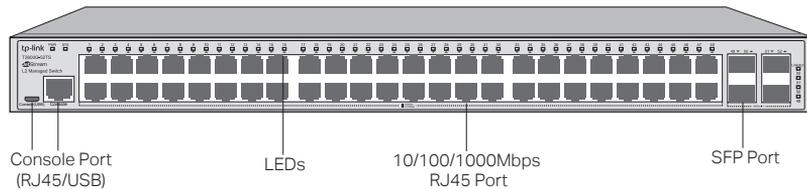
The front panel of The T2600G-28TS is shown as the following figure.

Figure 1-6 Front Panel of T2600G-28TS



The front panel of The T2600G-52TS is shown as the following figure.

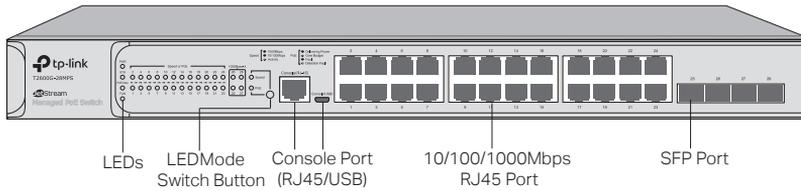
Figure 1-7 Front Panel of T2600G-52TS



JetStream L2 Managed Switch

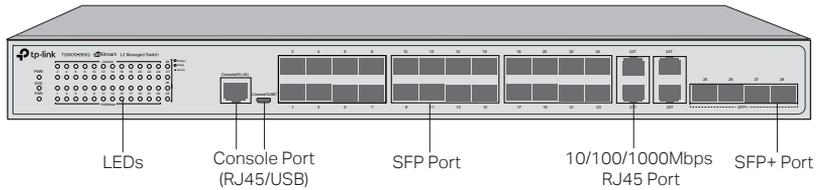
The front panel of The T2600G-28MPS is shown as the following figure.

Figure 1-8 Front Panel of T2600G-28MPS



The front panel of The T2600G-28SQ is shown as the following figure.

Figure 1-9 Front Panel of T2600G-28SQ



LEDs

For

TL-SG5412F/T2500-28TC/T2500G-10TS/T2600G-18TS/T2600G-28TS/T2600G-52TS/T2600G-28SQ

LED	Indication
Power PWR	<p>On: The switch is powered on.</p> <p>Off: The switch is powered off or power supply is abnormal.</p> <p>Flashing: Power supply is abnormal.</p> <p>Note: Power for TL-SG5412F and PWR for the other switches.</p>
System SYS	<p>Flashing: The switch works properly.</p> <p>On or Off: The switch works improperly.</p> <p>Note: System for TL-SG5412F and SYS for the other switches.</p>
FAN	<p>Green On: The fan works normally.</p> <p>Yellow On: The fan works abnormally.</p> <p>Note: Only for T2600G-28SQ.</p>
10/100Mbps	<p>Green On: Running at 100Mbps, but no activity.</p> <p>Green Flashing: Running at 100Mbps and is transmitting or receiving data.</p> <p>Yellow On: Running at 10Mbps, but no activity.</p> <p>Yellow Flashing: Running at 10Mbps and is transmitting or receiving data.</p> <p>Off: No device is linked to the corresponding port.</p> <p>Note: Only for T2500-28TC.</p>

LED	Indication
1000M 10/100/1000M 10/100/1000BASE-T	<p>Green On: Running at 1000Mbps, but no activity.</p> <p>Green Flashing: Running at 1000Mbps and is transmitting or receiving data.</p> <p>Yellow On: Running at 10/100Mbps, but no activity.</p> <p>Yellow Flashing: Running at 10/100Mbps and is transmitting or receiving data.</p> <p>Off: No device is linked to the corresponding port.</p> <p>Note: 1000M for T2500-28TC, 10/100/1000M for T2500G-10TS, 10/100/1000Base-T for TL-SG5412F and the 48 LEDs above the RJ45 ports for T2600G-52TS.</p>
1000Mbps	<p>On: Running at 1000Mbps.</p> <p>Off: Running at 10/100Mbps or no device is linked to the corresponding port.</p> <p>Note: For TL-SG5412F/T2600G-18TS/T2600G-28TS/T2600G-28SQ.</p>
Link/Act	<p>On: A device is linked to the corresponding port and running properly.</p> <p>Flashing: Transmitting or receiving data.</p> <p>Off: No device is linked to the corresponding port.</p> <p>Note: For TL-SG5412F/T2600G-18TS/ T2600G-28TS/T2600G-52TS and ports 1-24 of T2600G-28SQ.</p>
Link/Act	<p>Green On: Running at 10Gbps, but no activity.</p> <p>Green Flashing: Running at 10Gbps and is transmitting or receiving data.</p> <p>Yellow On: Running at 1000Mbps, but no activity.</p> <p>Yellow Flashing: Running at 1000Mbps and is transmitting or receiving data.</p> <p>Off: No device is linked to the corresponding port.</p> <p>Note: Only for ports 25-28 of T2600G-28SQ.</p>
SFP1, SFP2	<p>On: A device is linked to the corresponding port.</p> <p>Flashing: The corresponding SFP port is transmitting or receiving data.</p> <p>Off: No device is linked to the corresponding SFP port.</p> <p>Note: Only for T2500G-10TS.</p>

T2500G-10MPS/T2600G-28MPS has an LED mode switch button which is used to switch the LED status indication. When the Speed LED is on, the port LED is indicating the data transmission rate. When the PoE LED is on, the port LED is indicating the power supply status. By default the Speed LED is on. Pressing the mode switch button, the Speed LED will turn off and the PoE LED will light up. Then the PoE LED will turn off after being on for 60 seconds and the Speed LED will light up again.

LED	Indication
PWR	<p>On: The switch is powered on.</p> <p>Off: The switch is powered off or power supply is abnormal.</p> <p>Flashing: Power supply is abnormal.</p>
SYS	<p>Flashing: The switch works properly.</p> <p>On or Off: The switch works improperly.</p>
FAN	<p>Green: All the fans work properly.</p> <p>Yellow: Not all the fans work properly.</p> <p>Off: The switch works improperly.</p>

LED	Indication
PoE Max (When the PoE LED is on)	<p>On: The remaining PoE power $\leq 7W$.</p> <p>Flashing: The remaining PoE power keeps $\leq 7W$ after this LED is on for 2 minutes.</p> <p>Off: The remaining PoE power $> 7W$.</p>
Speed or PoE (When the Speed LED is on)	<p>Green On: Running at 1000Mbps, but no activity.</p> <p>Green Flashing: Running at 1000Mbps and is transmitting or receiving data.</p> <p>Yellow On: Running at 10/100Mbps, but no activity.</p> <p>Yellow Flashing: Running at 10/100Mbps and is transmitting or receiving data.</p> <p>Off: No device is linked to the corresponding port.</p>
Speed or PoE (When the PoE LED is on)	<p>Green On: The port is supplying power normally.</p> <p>Green Flashing: The supply power exceeds the corresponding port's maximum power.</p> <p>Yellow On: Overload or short circuit is detected.</p> <p>Yellow Flashing: Power-on self-test failed.</p> <p>Off: Not providing PoE power on the port.</p>
1000Base-X	<p>On: A device is linked to the corresponding port.</p> <p>Flashing: The corresponding port is transmitting or receiving data.</p> <p>Off: No device is linked to the corresponding port.</p>
SFP1, SFP2	<p>Green On: A 1000Mbps device is linked to the corresponding port, but no activity.</p> <p>Green Flashing: A 1000Mbps device is linked to the corresponding port and data is being transmitted or received.</p> <p>Yellow On: A 100Mbps device is linked to the corresponding port, but no activity.</p> <p>Yellow Flashing: A 100Mbps device is linked to the corresponding port and is transmitting or receiving data.</p> <p>Off: No device is linked to the corresponding port.</p> <p>Note: Only for T2500G-10MPS.</p>

Console Port (RJ-45/USB)

Designed to connect with the USB port of a computer for monitoring and configuring the switch. For T2500G-10TS/T2500G-10MPS/T2600G-18TS/T2600G-28TS/T2600G-52TS/T2600G-28MPS/T2600G-28SQ, the switch has an RJ-45 console port and a micro-USB console port. Console input is active on only one console port at a time. By default, the micro-USB connector takes precedence over the RJ-45 connector.

10/100Mbps RJ45 Port

Designed to connect to the device with a bandwidth of 10Mbps or 100Mbps.

10/100/1000Mbps RJ45 Port

Designed to connect to the device with a bandwidth of 10Mbps, 100Mbps or 1000Mbps. For T2500G-10MPS/T2600G-28MPS, the port can also provide power for PDs.

SFP Port

Designed to install the 1Gbps SFP module. For T2600G-28SQ, ports 17-24 also support 100Mbps SFP module.

SFP+ Port

Designed to install the 10Gbps SFP+ module.

Combo Ports

A Combo port consists of one RJ45 port and one SFP port, and they share the same port ID. The SFP port and the associated RJ45 port cannot work simultaneously. If both of the two ports are connected, only the SFP port works.

For T2500-28TC, RJ45 ports 25-28 and SFP ports 25-28 are combo ports; For T2600G-28SQ, RJ45 ports 21-24 and SFP ports 21-24 are combo ports.

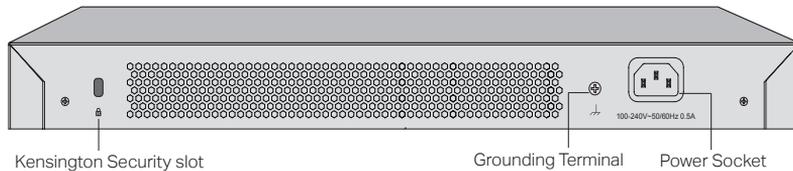
Port Feature

Model	10/100/1000Mbps RJ45 Port	10/100Mbps RJ45 Port	SFP Port	SFP+ Port	Console Port
TL-SG5412F	4	0	12	0	1
T2500G-10TS	8	0	2	0	2
T2500-28TC	4	24	4	0	1
T2500G-10MPS	8	0	2	0	2
T2600G-18TS	16	0	2	0	2
T2600G-28TS	24	0	4	0	2
T2600G-52TS	48	0	4	0	2
T2600G-28MPS	24	0	4	0	2
T2600G-28SQ	4	0	24	4	2

▪ **Rear Panel**

The rear panel is shown as the following figure. Here we take T2600G-28TS as an example.

Figure 1-10 Rear Panel



Kensington Security Slot

Secure the lock (not provided) into the security slot to prevent the device from being stolen.

Grounding Terminal

The switch already comes with lightning protection mechanism. You can also ground the switch through the PE (Protecting Earth) cable of AC cord or with Ground Cable. For detailed information, please refer to the **Lightning Protection Guide** from the training center of our website https://www.tp-link.com/en/configuration-guides/lightning_protection_guide/?configurationId=2962.

Power Socket

Connect the female connector of the power cord here, and the male connector to the AC power outlet. Please make sure the voltage of the power supply meets the requirement of the input voltage (100-240V~50/60Hz).



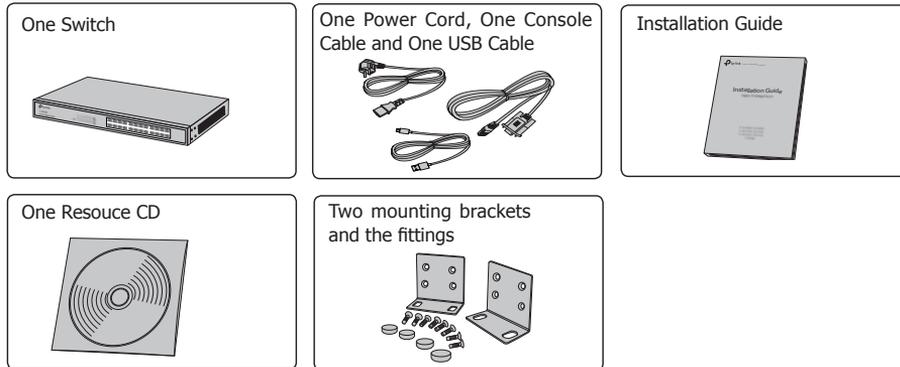
Note:

- Please use the provided power cord.
- TL-SG5412F/T2500-28TC does not have a kensington security slot.

Chapter 2 Installation

2.1 Package Contents

Make sure that the package contains the following items. If any of the listed items is damaged or missing, please contact your distributor.



Note:

The USB Cable is not provided with TL-SG5412F/T2500-28TC.

2.2 Safety Precautions

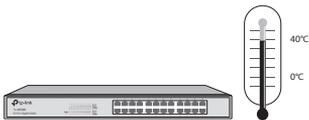
To avoid any device damage and bodily injury caused by improper use, please observe the following rules.

▪ **Safety Precautions**

- Keep the power off during the installation.
- Wear an ESD-preventive wrist strap, and make sure that the wrist strap has a good skin contact and is well grounded.
- Use only the power cord provided with the switch.
- Make sure that the supply voltage matches the specifications indicated on the rear panel of the switch.
- Ensure the vent hole is well ventilated and unblocked.
- Do not open or remove the cover of the switch.
- Before cleaning the device, cut off the power supply. Do not clean it by the waterish cloth, and never use any other liquid cleaning method.
- Place the device with its bottom surface downward.

■ **Site Requirements**

Temperature/Humidity



Please keep a proper temperature and humidity in the equipment room. Too high/low humidity may lead to bad insulation, electricity leakage, mechanical property changes and corrosions. Too high temperature may accelerate aging of the insulation materials and can thus significantly shorten the service life of the device. For normal temperature and humidity of the device, please check the following table.

Environment	Temperature	Humidity
Operating	0°C to 40°C	10% to 90%RH Non-condensing
Storage	-40°C to 70°C	5% to 90%RH Non-condensing

Clearness



The dust accumulated on the switch can be absorbed by static electricity and result in poor contact of metal contact points. Some measures have been taken for the device to prevent static electricity, but too strong static electricity can cause deadly damage to the electronic elements on the internal circuit board. To avoid the effect of static electricity on the operation of the Switch, please attach much importance to the following items:

- Dust the device regularly, and keep the indoor air clean.
- Keep the device well grounded and ensure static electricity has been transferred.

Electromagnetic Interference



Electronic elements including capacitance and inductance on the device can be affected by external interferences, such as conducted emission by capacitance coupling, inductance coupling, and impedance coupling. To decrease the interferences, please make sure to take the following measures:

- Use the power supply that can effectively filter interference from the power grid.
- Keep the device far from high-frequency, strong-current devices, such as radio transmitting station.
- Use electromagnetic shielding when necessary.

Lightening Protection



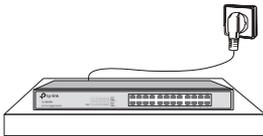
Extremely high voltage currents can be produced instantly when lightning occurs and the air in the electric discharge path can be instantly heated up to 20,000°C. As this instant current is strong enough to damage electronic devices, more effective lightning protection measures should be taken.

- Ensure the rack and device are well earthed.
- Make sure the power socket has a good contact with the ground.
- Keep a reasonable cabling system and avoid induced lightning.
- Use the signal SPD (Surge Protective Device) when wiring outdoor.



Note: For detailed lightning protection measures, please refer to the Lightning Protection Guide from the training center of our website
https://www.tp-link.com/en/configuration-guides/lightning_protection_guide/?configurationId=2962.

Installation Site



When installing the device on a rack or a flat workbench, please note the following items:

- The rack or workbench is flat and stable, and sturdy enough to support the weight of 5.5kg at least.
- The rack or workbench has a good ventilation system. The equipment room is well ventilated.
- The rack is well grounded. Keep the power socket less than 1.5 meters away from the device.

2.3 Installation Tools

- Phillips screwdriver
- ESD-preventive wrist wrap
- Cables



Note: These tools are not provided with our product. If needed, please self purchase them.

2.4 Product Installation

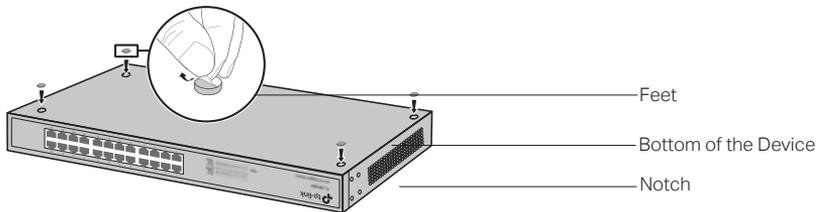
▪ Desktop Installation

To install the device on the desktop, please follow the steps:

1. Set the device on a flat surface strong enough to support the entire weight of the device with all fittings.

2. Remove the adhesive backing papers from the rubber feet.
3. Turnover the device and attach the supplied rubber feet to the recessed areas on the bottom at each corner of the device.

Figure 2-1 Desktop Installation

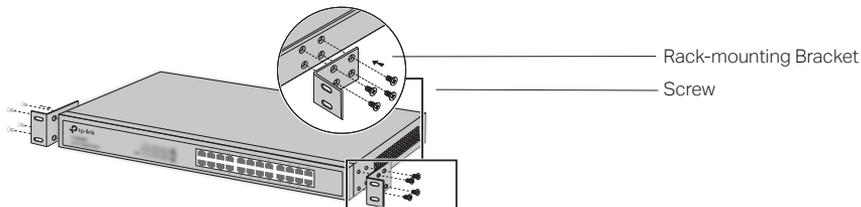


▪ **Rack Installation**

To install the device in an EIA standard-sized, 19-inch rack, follow the instructions described below:

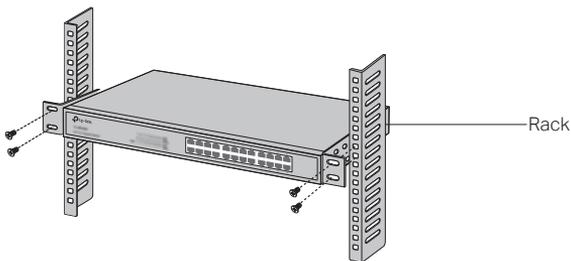
1. Check the grounding and stability of the rack.
2. Secure the supplied rack-mounting brackets to each side of the device with supplied screws, as illustrated in the following figure.

Figure 2-2 Bracket Installation



3. After the brackets are attached to the device, use suitable screws (not provided) to secure the brackets to the rack, as illustrated in the following figure.

Figure 2-3 Rack Installation



**Caution:**

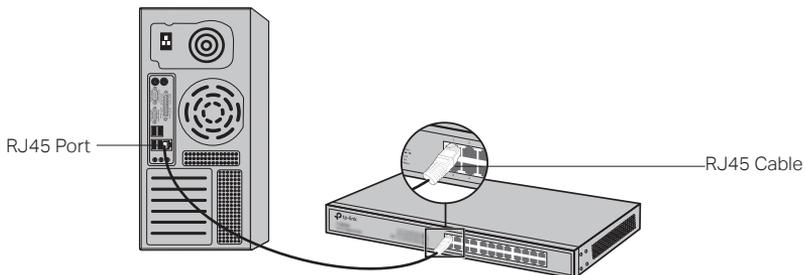
- Please set 5 to 10cm gaps around the device for air circulation.
 - Please avoid any heavy thing placed on the device.
 - Please mount devices in sequence from the bottom to top of the rack and ensure a certain clearance between devices for the purpose of heat dissipation.
-

Chapter 3 Connection

3.1 Ethernet Port

Connect an Ethernet port of the switch to the computer by RJ45 cable as the following figure shows.

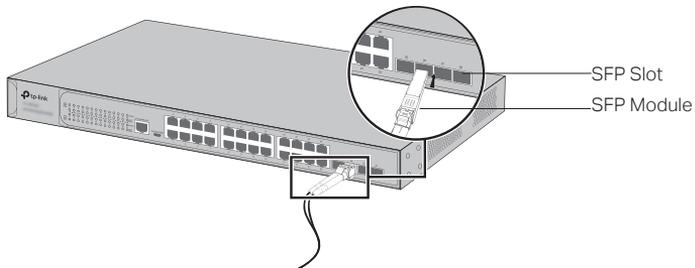
Figure 3-1 Connecting the RJ45 Port



3.2 SFP Port

The following figure demonstrates the connection of SFP port to an SFP module.

Figure 3-2 Inserting the SFP Module



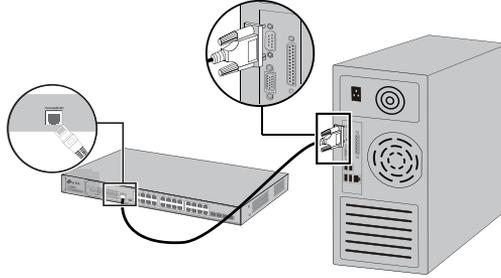
3.3 Console Port

CLI (Command Line Interface) enables you to manage the switch, thus you can load the CLI after connecting the PCs or Terminals to the console port on the switch via the provided cable.

Connect the Console (RJ-45) port of the device with your computer by the console cable as the following figure shows.

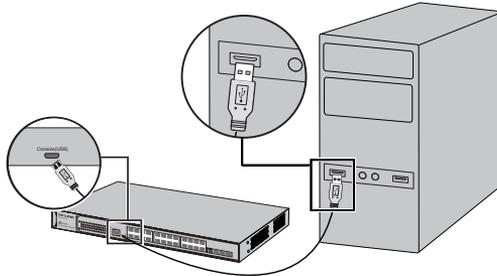
JetStream L2 Managed Switch

Figure 3-3 Connecting the Console (RJ-45) Port



Connect the Console (USB) port of the device with your computer by the USB cable as the following figure shows.

Figure 3-4 Connecting the Console (USB) Port



Note:

- Console (RJ-45) port and Console (USB) port cannot be used cocurrently. Console (USB) port takes priority over the Console (RJ-45) port.
- The Console (USB) port is hot-pluggable while the Console (RJ-45) port is not. Please keep the device power off when plugging the console cable into the Console (RJ-45) port.
- Do not connect the console port with other ports by RJ45 cable.
- TL-SG5412F and T2500-28TC do not have a Console (USB) port.

3.4 Verify Installation

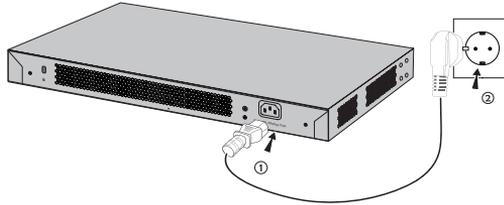
After completing the installation, please verify the following items:

- There are 5 to 10cm of clearance around the sides of the device for ventilation and the air flow is adequate.
- The voltage of the power supply meets the requirement of the input voltage of the device.
- The power socket, device and rack are well grounded.
- The device is correctly connected to other network devices.

3.5 Power On

Plug in the negative connector of the provided power cord into the power socket of the device, and the positive connector into a power outlet as the following figure shows.

Figure 3-5 Connecting to Power Supply



Note:

The figure is to illustrate the application and principle. The power plug you get from the package and the socket in your situation will comply with the regulation in your country, so they may differ from the figure above.

3.6 Initialization

After the device is powered on, it begins the Power-On Self-Test. A series of tests run automatically to ensure the device functions properly. During this time, its LED indicators will respond in the following order:

1. The PWR LED indicator lights on all the time. The SYS LED and the LED indicators of all the ports keep off.
2. After about one minute, the SYS LED and LED indicators of all the ports will flash momentarily and then turn off.
3. Several seconds later, the SYS LED indicator will flash, which represents a successful initialization.

3.7 Accessing the Switch

After the initialization finished, you can access and manage the switch using the GUI (Graphical User Interface) or using the CLI (Command Line Interface).

- To access the switch using the GUI, open a web browser and type the default management address `http://192.168.0.1` in the address field, then press the Enter key. The default Username and Password are both **admin** in lower case letters.
- To access the switch using the CLI, you can use the Console port, Telnet and SSH connection. When using the Console port, start the terminal emulation program (such as the Hyper Terminal) on the PC and configure the terminal emulation program as follows:

Baud Rate	Data Bits	Parity	Stop Bits	Flow Control
38400bps	8	None	1	None

For the detailed configurations, please refer to the Configuration Guide and CLI Reference Guide. The two guides can both be found on the resource CD or on the download center of our official website: <http://www.tp-link.com/en/download-center.html>.

Appendix A Troubleshooting

Q1. What could I do if I forgot the username and password of the switch?

1. Connect the console port of the PC to the console port of the switch and open a terminal emulation program.
2. Power off and restart the switch. Perform the action indicated by the terminal emulation program to reach the bootUtil menu. The action differs from product to product. Possible actions are listed below:
 - Press any key to stop autoboot.
 - Press CTRL-B to reach the bootUtil menu.
3. The bootUtil menu will be shown. Enter the number 6 to select the "Password recovery" option and enter Y to delete all the users and passwords. The default login username and password are both admin. The other configurations in the switch will not be changed.
4. For models without the password recover feature, please select the "Reset" option to restore all the configurations to factory defaults. The default login username and password are both admin.

Q2. Why does the PWR/Power LED work abnormally?

The PWR/Power LED should be lit up when the power system works normally. If the PWR/Power LED worked abnormally, please take the following steps:

1. Make sure that the power cable is connected properly, and the power contact is normal.
2. Make sure the voltage of the power supply meets the requirement of the input voltage of the switch.

Q3. What should I do if I cannot access the web management page?

Please try the following:

1. Check every port LED on the switch and make sure the Ethernet cable is connected properly.
2. Try another port on the switch and make sure the Ethernet cable is suitable and works normally.
3. Power off the switch and, after a while, power it on again.
4. Make sure the IP address of your PC is set within the subnet of the switch.
5. If you still cannot access the configuration page, please restore the switch to its factory defaults. Then the IP address of your PC should be set as 192.168.0.x ("x" is any number from 2 to 254) and Subnet Mask as 255.255.255.0.

Q4. Why is the terminal emulation program not displaying correctly?

Please try the following:

1. Make sure the power supply is normal and the console cable is properly connected.
2. Check if the console cable is the right type.
3. Ensure the parameters of the terminal emulation program are correct: configure Bits per second as 38400, Data bits as 8, Parity as None, Stop bits as 1, and Flow control as None.

Appendix B Hardware Specifications

Item	Content
Standards	IEEE 802.3, IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3ad, IEEE 802.3z, IEEE 802.3x, IEEE 802.1p, IEEE 802.1q, IEEE 802.1x, IEEE 802.1d, IEEE 802.1s, IEEE 802.1w, IEEE 802.1ab
	IEEE 802.3af/at (For T2500G-10MPS/T2600G-28MPS)
Transmission Medium	10Base-T: UTP/STP of Cat. 3 or above
	100Base-TX: UTP/STP of Cat. 5 or above
	100Base-FX/LX10/BX10: MMF or SMF SFP Module (For T2500G-10MPS)
	1000Base-T: 4-pair UTP (≤100m) of Cat. 5e, and Cat. 6 or above
	1000Base-X: MMF or SMF SFP Module (Optional)
LEDs	T2500-28TC: Power, System, 10/100M, 1000M
	T2500G-10TS: PWR, SYS, 1000Mbps, 10/100Mbps
	T2500G-10MPS: PWR, SYS, PoE MAX, FAN, Speed or PoE, SFP1, SFP2, PoE, Speed
	TL-SG5412F/T2600G-18TS/T2600G-28TS/T2600G-52TS: PWR, SYS, 1000Mbps, Link/Act
	T2600G-28MPS: PWR, SYS, PoE Max, FAN, Speed or PoE, 1000Base-X
	T2600G-28SQ: PWR, SYS, FAN, 1000Mbps, Link/Act
Operating Temperature	0°C to 40°C (32°F to 104°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)
Operating Humidity	10% to 90%RH Non-condensing
Storage Humidity	5% to 90%RH Non-condensing

FCC STATEMENT

Product Name: JetStream L2 Managed Switch

Model Number: TL-SG5412F/T2500G-10MPS/T2600G-28SQ/T2500G-10TS/T2500-28TC/T2600G-18TS/T2600G-28TS/T2600G-52TS/T2600G-28MPS

Responsible party:

TP-Link USA Corporation, d/b/a TP-Link North America, Inc.

Address: 145 South State College Blvd. Suite 400, Brea, CA 92821

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

Tel: +1 626 333 0234

Fax: +1 909 527 6803

E-mail: sales.usa@tp-link.com

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.

EU declaration of conformity

TP-Link hereby declares that the device is in compliance with the essential requirements and other relevant provisions of directives 2014/30/EU, 2014/35/EU, 2009/125/EC and 2011/65/EU.

The original EU declaration of conformity may be found at <http://www.tp-link.com/en/ce>





Продукт сертифіковано згідно с правилами системи УкрСЕПРО на відповідність вимогам нормативних документів та вимогам, що передбачені чинними законодавчими актами України.

Safety Information

- Keep the device away from water, fire, humidity or hot environments.
- Do not attempt to disassemble, repair, or modify the device.
- Do not use damaged charger or USB cable to charge the device.
- Do not use any other chargers than those recommended.

Please read and follow the above safety information when operating the device. We cannot guarantee that no accidents or damage will occur due to improper use of the device. Please use this product with care and operate at your own risk.

この装置は、クラスA情報技術装置です。この装置を家庭環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。 VCCI-A

BSMI Notice

安全諮詢及注意事項

- 請使用原裝電源供應器或只能按照本產品注明的電源類型使用本產品。
- 清潔本產品之前請先拔掉電源線。請勿使用液體、噴霧清潔劑或濕布進行清潔。
- 注意防潮，請勿將水或其他液體潑灑到本產品上。
- 插槽與開口供通風使用，以確保本產品的操作可靠並防止過熱，請勿堵塞或覆蓋開口。
- 請勿將本產品置放於靠近熱源的地方。除非有正常的通風，否則不可放在密閉位置中。
- 請不要私自打開機殼，不要嘗試自行維修本產品，請由授權的專業人士進行此項工作。

此為甲類資訊技術設備，于居住環境中使用時，可能會造成射頻擾動，在此種情況下，使用者會被要求採取某些適當的對策。

限用物質含有情況標示聲明書

產品元件名稱	限用物質及其化學符號					
	鉛 Pb	鎘 Cd	汞 Hg	六價鉻 CrVI	多溴聯苯 PBB	多溴二苯醚 PBDE
PCB	○	○	○	○	○	○
外殼	○	○	○	○	○	○
電源供應板	-	○	○	○	○	○

備考1. "○"系指該項限用物質之百分比含量未超出百分比含量基準值。
備考2. "-"系指該項限用物質為排除項目。

Industry Canada Statement

CAN ICES-3 (A)/NMB-3(A)

Explanation of the symbols on the product label

Symbol	Explanation
	AC voltage
	Indoor use only
	<p>RECYCLING</p> <p>This product bears the selective sorting symbol for Waste electrical and electronic equipment (WEEE). This means that this product must be handled pursuant to European directive 2012/19/EU in order to be recycled or dismantled to minimize its impact on the environment.</p> <p>User has the choice to give his product to a competent recycling organization or to the retailer when he buys a new electrical or electronic equipment.</p>



For technical support, User Guide and other information, please visit
<http://www.tp-link.com/support>, or simply scan the QR code