



Business Networking Solution

Installation Guide

Jetstream L2 Managed Switch

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 <https://www.tp-link.com>.
- The figures in Chapter 2 and 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, visit the official website:

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

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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 to 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.

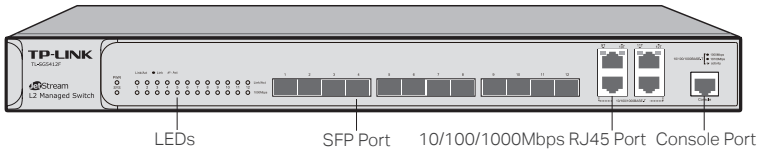
*PD: a device powered by a PSE and thus consumes energy. Examples include powering network cameras, wireless LAN access points, IP telephones, network hubs, embedded computers etc.

1.2 Appearance

Front Panel

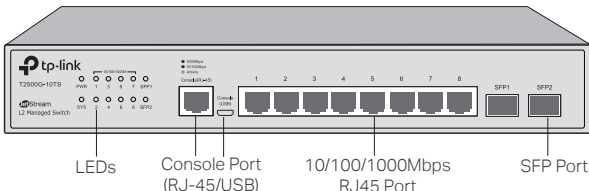
The front panel of TL-SG5412F is shown as the following figure.

Figure 1-1 Front Panel of TL-SG5412F



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

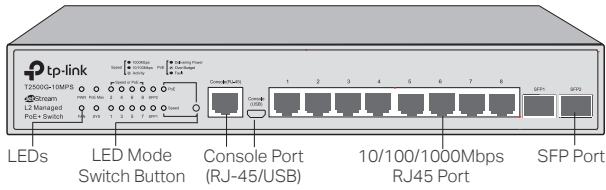
Figure 1-2 Front Panel of T2500G-10TS



JetStream L2 Managed Switch

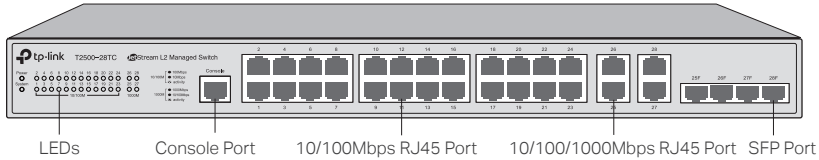
The front panel of T2500G-10MPS is shown as the following figure.

Figure 1-3 Front Panel of T2500G-10MPS



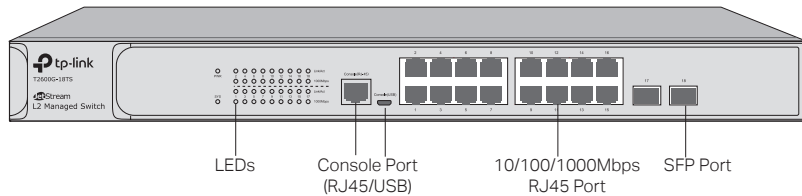
The front panel of T2500-28TC is shown as the following figure.

Figure 1-4 Front Panel of T2500-28TC



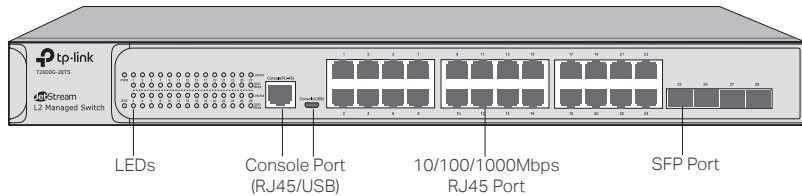
The front panel of T2600G-18TS is shown as the following figure.

Figure 1-5 Front Panel of T2600G-18TS



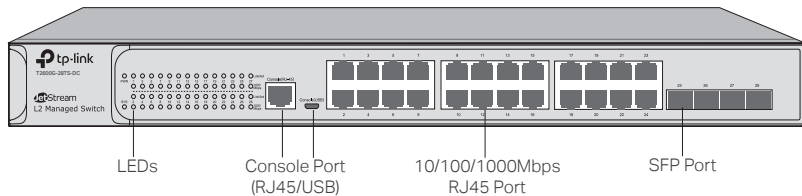
The front panel of T2600G-28TS is shown as the following figure.

Figure 1-6 Front Panel of T2600G-28TS



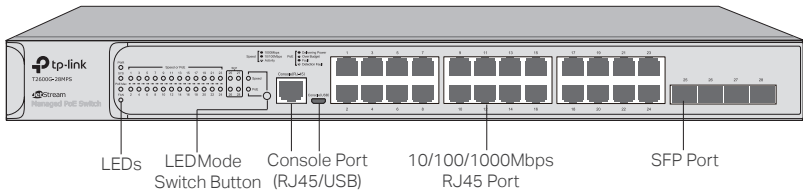
The front panel of T2600G-28TS-DC is shown as the following figure.

Figure 1-7 Front Panel of T2600G-28TS-DC



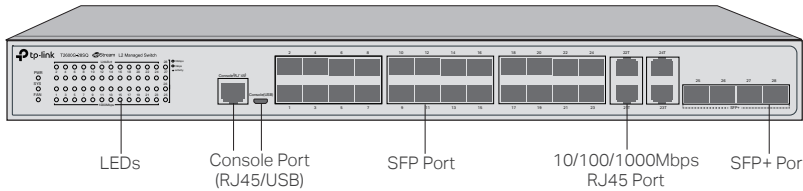
The front panel of The T2600G-28MPS is shown as the following figure.

Figure 1-8 Front Panel of T2600G-28MPS



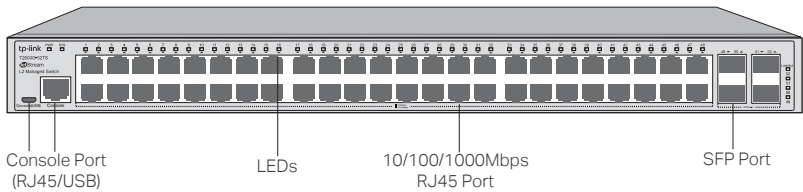
The front panel of The T2600G-28SQ is shown as the following figure.

Figure 1-9 Front Panel of T2600G-28SQ



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

Figure 1-10 Front Panel of T2600G-52TS



LEDs

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

LED	Indication
Power PWR	Note: Power for T2500-28TC and PWR for the other switches. On: The switch is powered on. Off: The switch is powered off or power supply is abnormal. Flashing: Power supply is abnormal.
System SYS	Note: System for T2500-28TC and SYS for the other switches. Flashing: The switch works properly. On or Off: The switch works improperly.
FAN	Note: Only for T2600G-28SQ. Green On: The fan works normally. Yellow On: The fan works abnormally.

LED	Indication
10/100M	<p>Note: Only for ports 1-24 of T2500-28TC.</p> <p>Green On: Running at 100Mbps, but no activity. Green Flashing: Running at 100Mbps and is transmitting or receiving data. Yellow On: Running at 10Mbps, but no activity. Yellow Flashing: Running at 10Mbps and is transmitting or receiving data. Off: No device is linked to the corresponding port.</p>
1000M 10/100/1000M 10/100/1000BASE-T	<p>Note: 1000M for ports 25-28 of T2500-28TC, 10/100/1000M for T2500G-10TS and ports 1-48 of T2600G-52TS, 10/100/1000Base-T for ports 9T-12T of TL-SG5412F.</p> <p>Green On: Running at 1000Mbps, but no activity. Green Flashing: Running at 1000Mbps and is transmitting or receiving data. Yellow On: Running at 10/100Mbps, but no activity. Yellow Flashing: Running at 10/100Mbps and is transmitting or receiving data. Off: No device is linked to the corresponding port.</p>
1000Mbps	<p>Note: For TL-SG5412F/T2600G-18TS/T2600G-28TS/T2600G-28TS-DC and ports 1-24 of T2600G-28SQ.</p> <p>On: Running at 1000Mbps. Off: Running at 10/100Mbps or no device is linked to the corresponding port.</p>
Link/Act	<p>For TL-SG5412F/T2600G-18TS/T2600G-28TS/T2600G-28TS-DC/ T2600G-52TS and ports 1-24 of T2600G-28SQ:</p> <p>On: A device is linked to the corresponding port and running properly. Flashing: Transmitting or receiving data. Off: No device is linked to the corresponding port.</p> <p>For ports 25-28 of T2600G-28SQ:</p> <p>Green On: Running at 10Gbps, but no activity. Green Flashing: Running at 10Gbps and is transmitting or receiving data. Yellow On: Running at 1000Mbps, but no activity. Yellow Flashing: Running at 1000Mbps and is transmitting or receiving data. Off: No device is linked to the corresponding port.</p>
SFP1, SFP2	<p>Note: Only for T2500G-10TS.</p> <p>Green On: A 1000Mbps device is linked to the corresponding port, but no activity. Green Flashing: A 1000Mbps device is linked to the corresponding port and data is being transmitted or received. Yellow On: A 100Mbps device is linked to the corresponding port, but no activity. Yellow Flashing: A 100Mbps device is linked to the corresponding port and is transmitting or receiving data. Off: No device is linked to the corresponding port but no activity.</p>

For T2500G-10MPS/T2600G-28MPS

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>
PoE Max (When the PoE LED is on)	<p>On: The remaining PoE power is equal to or less than 7W.</p> <p>Flashing: The remaining PoE power is equal to or less than 7W and lasts for more than 2 minutes.</p> <p>Off: The remaining PoE power is larger than 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>
SFP SFP1, SFP2	<p>Note: SFP1 and SFP2 for T2500G-10MPS, SFP for T2600G-28MPS</p> <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>

Console Port (RJ-45/USB)

Designed to connect with a computer for monitoring and configuring the switch. For T2500G-10TS/T2500G-10MPS/T2600G-18TS/T2600G-28TS/T2600G-28TS-DC/T2600G-28MPS/T2600G-28SQ/T2600G-52TS, 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

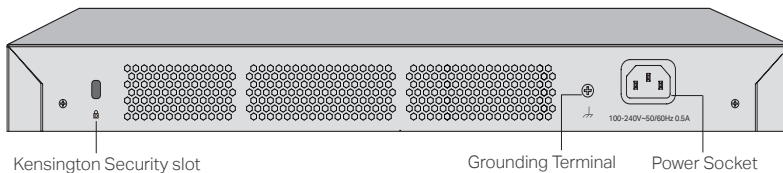
Model	10/100/1000Mbps RJ45 Port	10/100Mbps RJ45 Port	SFP Port	SFP+ Port	Console Port
TL-SG5412F	4	0	12	0	1
T2500G-10TS	8	0	2	0	2
T2500-28TC	4	24	4	0	1
T2500G-10MPS	8	0	2	0	2
T2600G-18TS	16	0	2	0	2
T2600G-28TS	24	0	4	0	2
T2600G-28TS-DC	24	0	4	0	2
T2600G-28MPS	24	0	4	0	2
T2600G-28SQ	4	0	24	4	2
T2600G-52TS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

■ Rear Panel

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

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

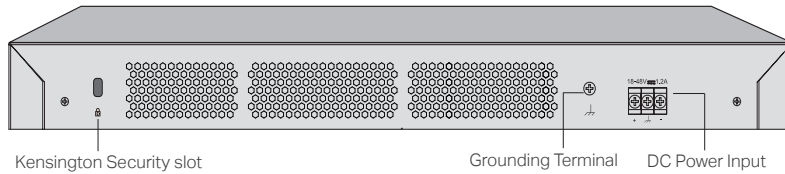
Figure 1-11 Rear Panel of T2600G-28TS



For T2600G-28TS-DC

The rear panel is shown as the following figure.

Figure 1-12 Rear Panel of T2600G-28TS-DC



Kensington Security Slot

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



Note:

TL-SG5412F/T2500-28TC does not have a kensington security slot.

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 lightning protection measures, go to <https://www.tp-link.com/support>, search the model number of your switch and go to the product **Support** web page, refer to the **Lightning Protection Guide** from the **Related Documents**:

https://www.tp-link.com/us/configuration-guides/lightning_protection_guide/

Power Socket

Plug the negative connector of the power cord directly into the power socket and plug the positive connector into an AC power outlet. Make sure that the voltage of the power supply meets the requirement of the input voltage (100-240V~ 50/60Hz).



Note:

You should use the provided power cord.

DC Power Input

Attach the power wires to the DC power input. We recommend you use 22-14 AWG wires. Connect the positive pole of the DC power supply to the "+" end, and the negative pole to the "-" end. Make sure the power supply meets the requirement of the input (18-48V= 1.2A). A disconnecting device like an isolating switch shall be installed and easily accessible. The disconnecting device shall have a contact separation at least equal to the minimum clearance for basic insulation.



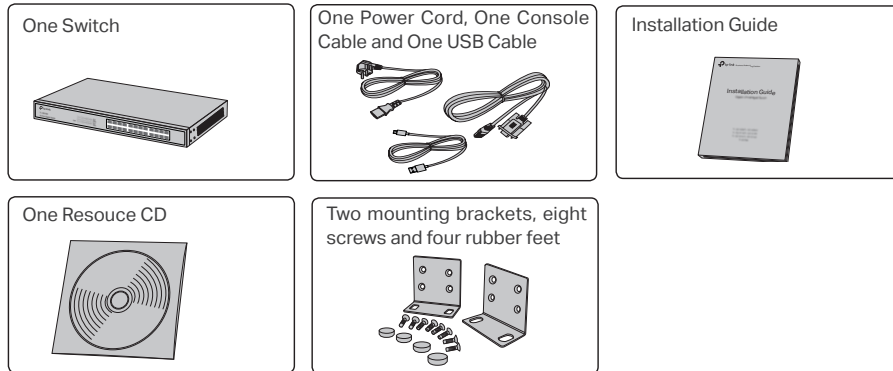
Note:

The power wires and disconnecting device are not included with our product. If needed, you can purchase them separately.

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, contact your distributor.



Note:

The USB Cable is not provided with TL-SG5412F/T2500-28TC. The power cord is not provided with T2600G-28TS-DC.

2.2 Safety Precautions

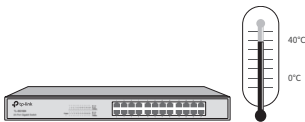
To avoid any device damage and bodily injury caused by improper use, you should observe the following rules.

▪ **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 that the switch is installed in a well-ventilated environment and its ventilation hole is not blocked.
- 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



Keep the equipment room at an appropriate level of temperature and humidity. Too much or too little humidity may lead to bad insulation, leakage of electricity, mechanical property changes, and corrosion. High temperatures may accelerate aging of the insulation materials, significantly shortening the service life of the device. To find out the best temperature and humidity conditions for the device, 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

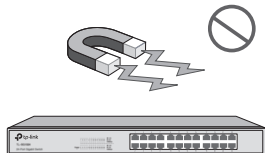
Clearness



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, attach much importance to the following items:

- Dust the device regularly, and keep the indoor air clean.
- Keep the device well grounded and ensure that the 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, 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 and strong-current devices such as radio transmitting station.
- Use electromagnetic shielding when necessary.

Lightning 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.

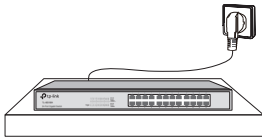
- Ensure that the rack and the device are well earthed.
- Make sure the power socket has a good contact with the ground.
- Keep a reasonable cabling system and avoid induced lightning.
- Use the signal SPD (Surge Protective Device) when wiring outdoor.



Note:

For detailed lightning protection measures, go to <https://www.tp-link.com/support>, search the model number of your switch and go to the product **Support** web page, refer to the **Lightning Protection Guide** from the **Related Documents**:
https://www.tp-link.com/us/configuration-guides/lightning_protection_guide/

Installation Site



When installing the device on a rack or a flat workbench, attach much importance to the following items:

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

2.3 Installation Tools

- Phillips screwdriver
- ESD-preventive wrist wrap
- Cables



Note:

These tools are not included with our product. If needed, you can purchase them separately.

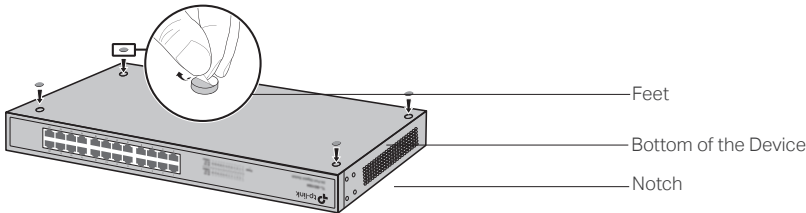
2.4 Product Installation

Desktop Installation

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

1. Set the device on a flat surface which is 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

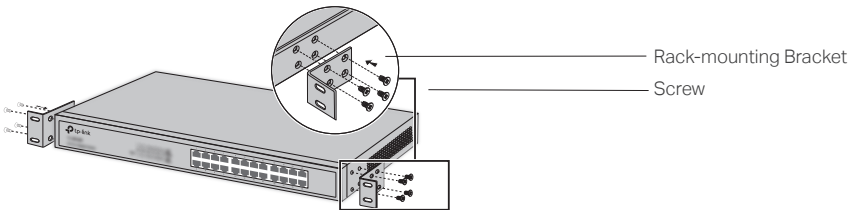


Rack Installation

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

1. Check the efficiency of the grounding system and the 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.

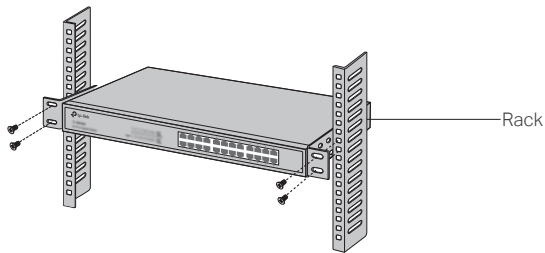
Figure 2-2 Bracket Installation



JetStream L2 Managed Switch

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:

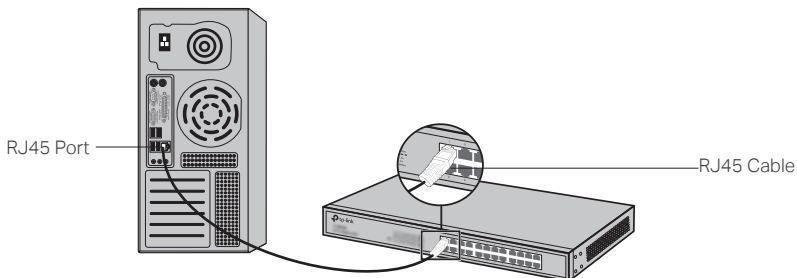
- Leave 5 to 10 cm gaps around the devices for air circulation.
 - Avoid placing heavy things on the device.
 - Mount devices in sequence from the bottom to top of the rack and ensure a certain clearance between devices for the purpose of heat dissipation.
-

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.

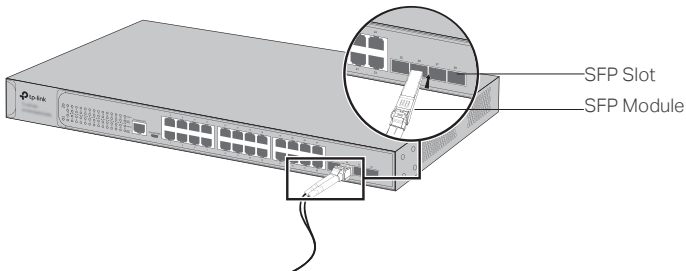
Figure 3-1 Connecting the RJ45 Port



3.2 SFP Port

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

Figure 3-2 Inserting the SFP Module



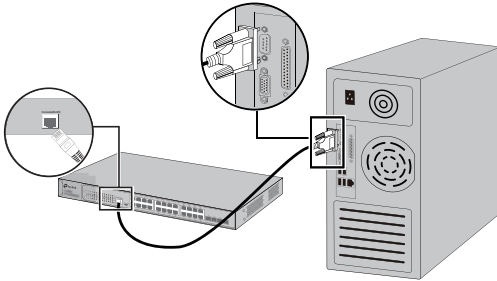
3.3 Console Port

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.

JetStream L2 Managed Switch

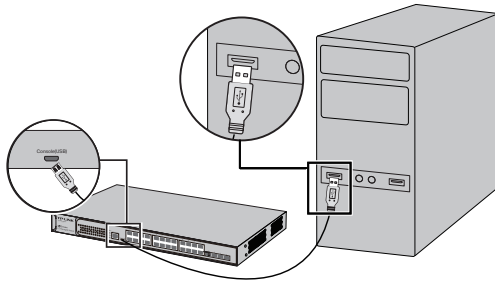
Connect the Console (RJ-45) port of the device with your computer by the console cable as the following figure shows.

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 concurrently. 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. 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, verify the following items:

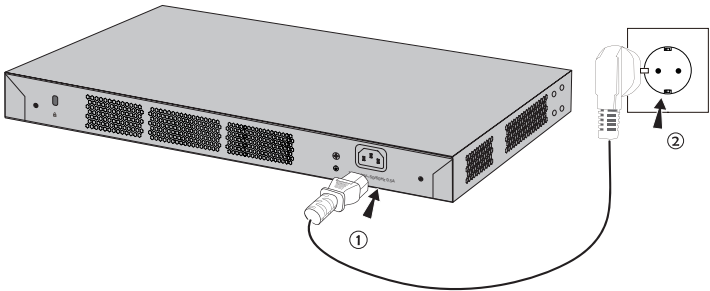
- There should be 5 to 10 cm of clearance around the device for ventilation and make sure the air flow is adequate.
- The voltage of the power supply meets the requirement of the input voltage of the device.
- The power socket, device and rack are well grounded.
- The device is correctly connected to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

3.5 Power On

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

Plug the negative connector of the power cord directly into the power socket and plug the positive connector into an AC power outlet as the following figure shows. Make sure that the voltage of the power supply meets the requirement of the input voltage (100-240V~ 50/60Hz).

Figure 3-5 Connecting to the Power Supply



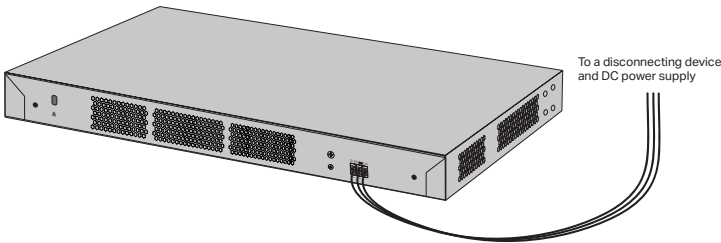
Note:

The figure is to illustrate the application and principle. The provided plug and the socket in your region may differ from the figures above.

For T2600G-28TS-DC

Attach the power wires to the DC power input as the following figure shows. We recommend you use 22-14 AWG wires. Connect the positive pole of the DC power supply to the "+" end, and the negative pole to the "-" end. Make sure the power supply meets the requirement of the input (18-48V= 1.2A). A disconnecting device like an isolating switch shall be installed and easily accessible. The disconnecting device shall have a contact separation at least equal to the minimum clearance for basic insulation.

Figure 3-6 Connecting to the Power Supply



Note:

The figure is to illustrate the application and principle. The power wires and disconnecting device are not included with our product. If needed, you can purchase them separately.

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, 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: <https://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, 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, 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?

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, reset 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?

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 category 3, 4, 5 cable (maximum 100m) EIA/TIA-568 100Ω STP (maximum 100m) 100BASE-TX/1000Base-T: UTP category 5, 5e or above cable (maximum 100m) EIA/TIA-568 100Ω STP (maximum 100m) 100BASE-FX/LX10/BX10: MMF, SMF (Except T2600G-52TS) 1000BASE-SX/LX/LX10/BX10: MMF, SMF 10GBASE-SR/LR: MMF, SMF (For T2600G-28SQ) 10GSFP+CU SFP+ Direct Attach Cable (TXC432-CU1M, TXC432-CU3M) (For T2600G-28SQ)
LEDs	T2500-28TC: Power, System, 10/100M, 1000M T2500G-10TS: PWR, SYS, SFP1, SFP2, 10/100/1000M T2500G-10MPS: PWR, SYS, PoE MAX, FAN, Speed or PoE, SFP1, SFP2, PoE, Speed T2600G-18TS/T2600G-28TS/T2600G-28TS-DC: PWR, SYS, 1000Mbps, Link/Act TL-SG5412F: PWR, SYS, 1000Mbps, Link/Act, 10/100/1000Base-T T2600G-52TS: PWR, SYS, 10/100/1000M, Link/Act T2600G-28MPS: PWR, SYS, PoE Max, FAN, Speed or PoE, SFP, Speed, PoE 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

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.
- Adapter shall be installed near the equipment and shall be easily accessible.
- Place the device with its bottom surface downward.

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 <https://www.tp-link.com/en/ce>





For technical support, the user guide and more information, please visit <https://www.tp-link.com/support>, or simply scan the QR code.