Installation Guide

5/8-Port 2.5G Multi-Gigabit Desktop Switch

Panel Explanation

Power

Power

On: Power on
Off: Off: Power off

Kensington Security Slot

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

Port LED

When one of the LED is on/flashing
On: Connecting to a device but no activity
Flashing: Transmitting or receiving data

Left LED (2.5G)
Green: Running at 2.5 Gbps
Flashing: Transmitting or receiving data

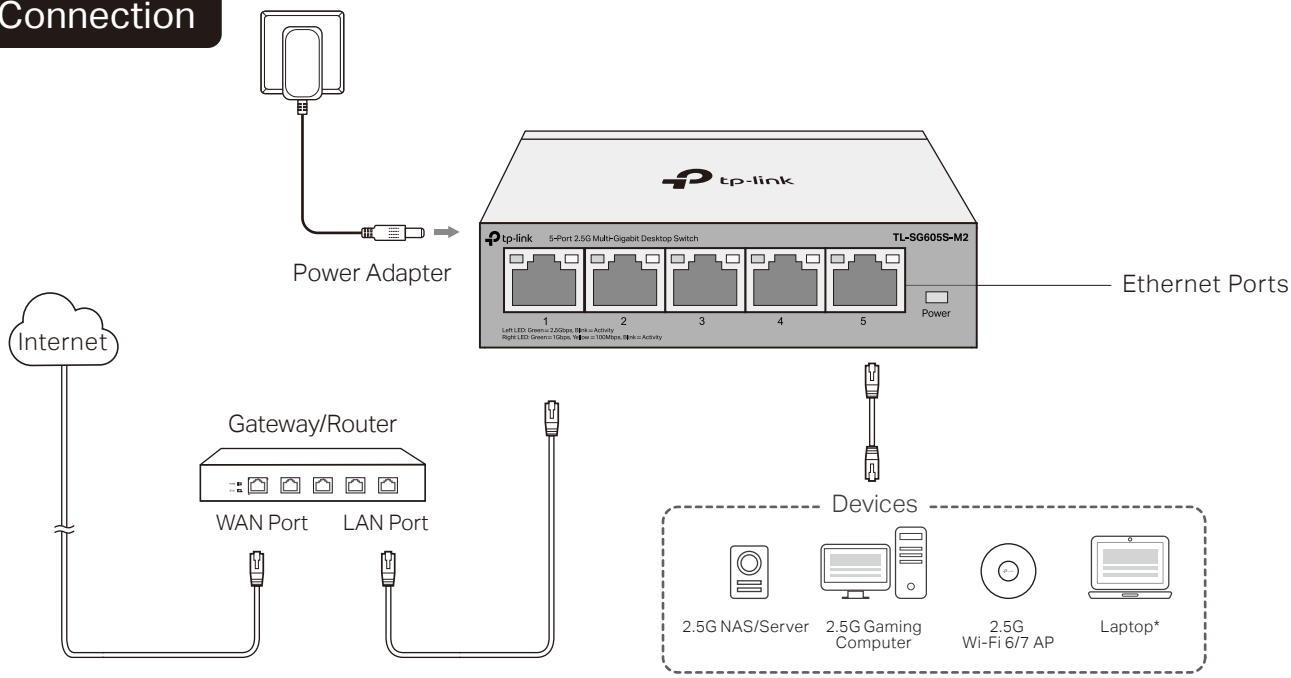
Right LED (1G/100M)
Green: Running at 1 Gpbs
Yellow: Running at 100 Mbps
Flashing: Transmitting or receiving data

Loop Prevention

On: The switch will monitor and address loop-related issues within the network structure to prevent disruptions caused by redundant pathing
Off: (default) The switch will not try to monitor or address loop-related issues

Note:
For simplicity, we will take TL-SG605S-M2 for example in this Guide.

Connection



*With a USB to 2.5G Ethernet adapter, you can enjoy the Ethernet up to 2.5 Gbps on your laptop.

Specifications

General Specifications

Standard	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3bz, IEEE802.3x, IEEE802.1p
Protocol	CSMA/CD
Network Media (Cable)	100Base-TX: UTP category 5 cable or above (max. 100m) 1000Base-T: UTP category 5e cable or above (max. 100m) 2.5GBase-T: UTP category 5e cable or above (max. 100m)
Interface	5/8 100 Mbps/1 Gbps/2.5 Gbps Auto-Negotiation RJ45 Ports
Switching Capacity	TL-SG605S-M2: 25 Gbps TL-SG608S-M2: 40 Gbps
Transfer Method	Store-and-Forward
MAC Address Learning	Automatically learning, automatically aging
Frame Forward Rate	100Base-TX: 148810pps/Port 1000Base-T: 1488095pps/Port 2.5GBase-T: 3720238pps/Port
Wall-mountable	Yes
Distance Bewteen Mounting Holes	TL-SG605S-M2: 52mm TL-SG608S-M2: 110mm

Environmental and Physical Specifications

Operating Temperature	-5 ˚C to 40 ˚C (23 ˚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

Frequently Asked Questions (FAQ)

Q1. The Power LED is not lit.

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

A1: Make sure the power adapter is connected to the switch with power source properly.

A2: Make sure the voltage of the power supply meets the requirements of the input voltage of the switch.

A3: Make sure the power source is ON.

Q2. The right and left LED are not lit when a device is connected to the corresponding port.

It is recommended that you check the following items:

A1: Make sure that the cable connectors are firmly plugged into the switch and the device.

A2: Make sure the connected device is turned on and works normally.

A3: The cable must be less than 100 meters (328 feet) long.

Q3. Why does the switch fail to detect and block a loop from occurring in the network topology when Loop Prevention is enabled?

A: When connecting this switch to other non-terminal devices, such as switches from other brands, and those devices cannot properly process or forward loop detection packets, the Loop Prevention function may be limited. It is recommended to connect terminal devices directly to this switch or use non-terminal devices with full forwarding capability.

To ask questions, find answers, and communicate with TP-Link users or engineers, please visit **https://community.tp-link.com/business** to join TP-Link Community.

For technical support and other information, please visit **https://www.tp-link.com/support/?type=smb**, or simply scan the QR code.

Wall Mounting Requirements

To mount the device on a wall, use 2 screws which complies with ANSI B1.1 4#, (5#), 6# standard and are more than 7.5 mm in length. When the screws are fixed on the wall, the distance between the screw head and the wall should be more than 1.5 mm.

FCC STATEMENT

Product Name: 5-Port 2.5G Multi-Gigabit Desktop Switch
Model Number: TL-SG605S-M2

Component Name	Model
Power Adapter	T090060-2B1

Product Name: 8-Port 2.5G Multi-Gigabit Desktop Switch
Model Number: TL-SG608S-M2

Component Name	Model
Power Adapter	T120100-2B1

Responsible party:

TP-Link Systems Inc.

Address: 10 Mauchly, Irvine, CA 92618

Website: https://www.tp-link.com/us/

Tel: +1 626 333 0234

Fax: +1 909 527 6804

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

This equipment 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.

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

Product Name: Power Adapter

Model Number: T090060-2B1, T120100-2B1

Responsible party:

TP-Link Systems Inc.

Address: 10 Mauchly, Irvine, CA 92618

Website: https://www.tp-link.com/us/

Tel: +1 626 333 0234

Fax: +1 909 527 6804

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

This equipment 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.

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

We, TP-Link Systems Inc., has determined that the equipment shown as above has been shown to comply with the applicable technical standards, FCC part 15. There is no unauthorized change is made in the equipment and the equipment is properly maintained and operated.

Issue Date: 2025-06-09

Industry Canada Statement

CAN ICES-003 (B)/NMB-003(B)

Safety Information

- Keep the device away from water, fire, humidity or hot environments.
- Do not attempt to disassemble, repair, or modify the device. If you need service, please contact us.
- 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.

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.

Explanation of the symbols on the product label

Note: The product label can be found at the bottom of the product.
Symbols may vary from products.

Symbol	Explanation
	Class II equipment
	Class II equipment with functional earthing
	Alternating current
	Direct current
	Polarity of DC power connector
	For indoor use only
	Dangerous voltage
	Caution, risk of electric shock
VI	Energy efficiency marking
	Protective earthng
	Earth
	Frame or chassis
	Functional earthing
	Caution, hot surface
	Caution
	Operator's manual
	Stand-by
	"ON"/"OFF" (push-push)
	Fuse
N	Fuse is used in neutral N
	RECYCLING 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. Users have the choice to give their product to a competent recycling organization or to the retailer when they buy new electrical or electronic equipment.
	Caution, avoid listening at high volume levels for long periods
	Disconnection, all power plugs
m	Switch of mini-gap construction
μ	Switch of micro-gap construction (for US version) Switch of micro-gap / micro-disconnection construction (for other versions except US)
ε	Switch without contact gap (Semiconductor switching device)