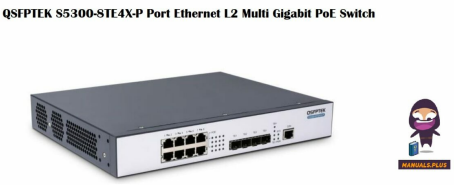


# QSFPTEK S5300-8TE4X-P Port Ethernet L2 Multi Gigabit PoE Switch User Guide



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## QSFPTEK S5300-8TE4X-P Port Ethernet L2 Multi Gigabit PoE Switch

## Specifications

- **Model:** S5300-8TE4X-P
- **Version:** V2.0
- **Type:** 8-Port Ethernet L2 Multi-Gigabit PoE Switch
- **Ports:** 8x 100/1000M/2.5GBASE-T PoE++, 4x 10G SFP+ Uplink
- **Features:** Support Stacking

## Product Usage Instructions

- The front panel includes RJ45 ports for Ethernet connection, SFP+ ports for 1/10G connection, and an RJ45 console port for serial management.
- Ensure you have the following tools ready: screwdriver, static-proof wristband, bolt, Ethernet cable, other Ethernet terminal devices, and the control terminal.

## FAQ

- **Q:** What should I do if the PWR LED is always on?
- **A:** If the PWR indicator is always on, it indicates that the device is powered on normally.
- **Q:** How should I connect devices for data communication via SFP+ ports?
- **A:** Insert SFP+ modules into the ports and use fibre patch cables to connect to the devices for data communication.

## Introduction

- The S5300-8TE4X-P is a 2.5G access switch with 8x 100/1000M/2.5GBASE-T RJ45 ports and 4x 10G SFP+ uplink ports, supporting Stacking. It can increase the 1G speed by 2.5 times relying on existing wiring (cat5e or cat6). The 8x RJ45 ports support
- IEEE802.3af/at/bt (up to 90W by a single port) and can be used in IP phones, wireless access points, or other end network devices standards-compliant PoE, PoE+ and PoE++. This makes the S5300-8TE4X-P layer 2 managed switch an ideal choice for converged Wi-Fi 6 and multi-rate wired access in SMBs, branches and campus networks. The 2.5G switch offers 2.5GBASE-T interfaces to ensure a more stable and reliable network architecture for enterprises.

- We appreciate your decision to select S5300-8TE4X-P. This manual is intended to help you become acquainted with the switch design and provide instructions for implementing the switches into your network.

## Accessories

Power Cord x1

Console Cable x1

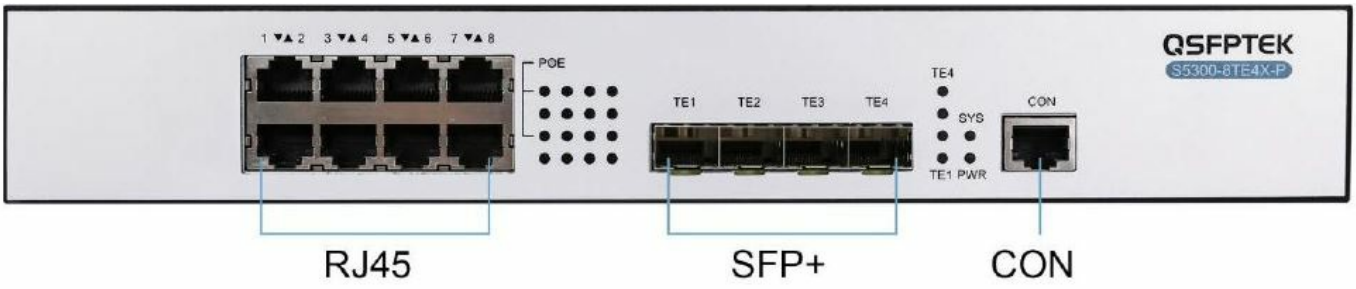
Mounting Bracket x2

Screw x8

Rubber Pad x4

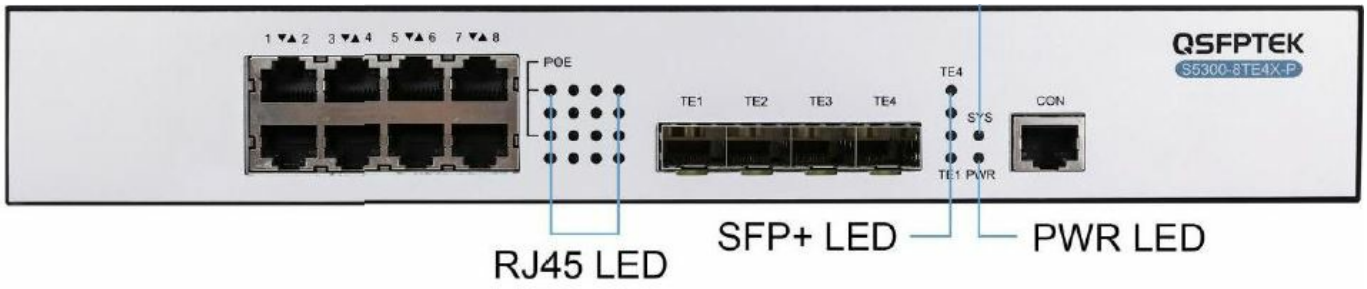
## Hardware Overview

### Front Panel Ports



| Ports | Description |
|---|---|
| RJ45 | 100M/1000M/2.5G-T ports for Ethernet connection |
| SFP+ | SFP+ ports for 1/10G connection |
| CON | An RJ45 console port for serial management |

**Front Panel LEDs**




| LEDS | Status | Description | |
|---|---|---|---|
| RJ45 | Green | On | 2.5G port link. |
| | | Blinking | 2.5G packets receiving or transmitting. |
| SFP+<br>(Port TE1-TE4) | Green | On | 10G port link. |
| | | Blinking | 10G packets receiving or transmitting. |
| SYS LED | / | / | If the SYS indicator flickers, the system works normally. |
| PWR LED | / | / | If the PWR indicator is<br>always on, the device is powered on. |

**Back Panel**

| Abbrev | Name | Description |
|---|---|---|
| / | Grounding column | The grounding must be fine |
| POWER | AC power supply | Input voltage AC100-240V |

## Installation Requirements

### Tools Preparation

- Screwdriver
- Static-proof wristband
- Bolt
- Ethernet cable
- Other Ethernet terminal devices
- Control terminal

**Safety Principles**
Keep dustless and clean during or after the installation.

- Put the cover in a safe place.
- Put tools in the right place where they are not easily falling down.
- Put on relatively tight clothes, fasten the tie or scarf well and roll up the sleeve, avoiding stumbling the machine box.
- Put on protective glasses if the environment may cause damage to your eyes.
- Avoid incorrect operations that may cause damage to humans or devices.

### Site Environment

- Make sure that the workshop is well-ventilated, the heat of electrical devices is well-discharged
- Avoid damaging devices by following the electrostatic discharge prevention procedure.
- S5300-8TE4X-P Hardware Installation Manual
- Put the machine box in a place where cool air can blow off the heat inside the machine box.
- Make sure the machine box is sealed.

## Mounting the Switch

### Connecting the Power

- Plug the AC power cord to the switch power port on the back rear.
- Connect the other end of the power cord to an AC power source equipment.

**Connecting the RJ45 Ports**

- Connect one end of the Ethernet cable to the RJ45 port on networking equipment, such as PC, printer, server, storage, etc.
- Connect the other end of the Ethernet cable to the switch RJ45 port.

**Connecting the SFP+ Port**

- Insert the SFP+ module into the SFP+ port.
- Plug a fiber patch cable into the SFP+ transceiver.
- Connect the other end of the fibre to the device that you want to realize data communication.

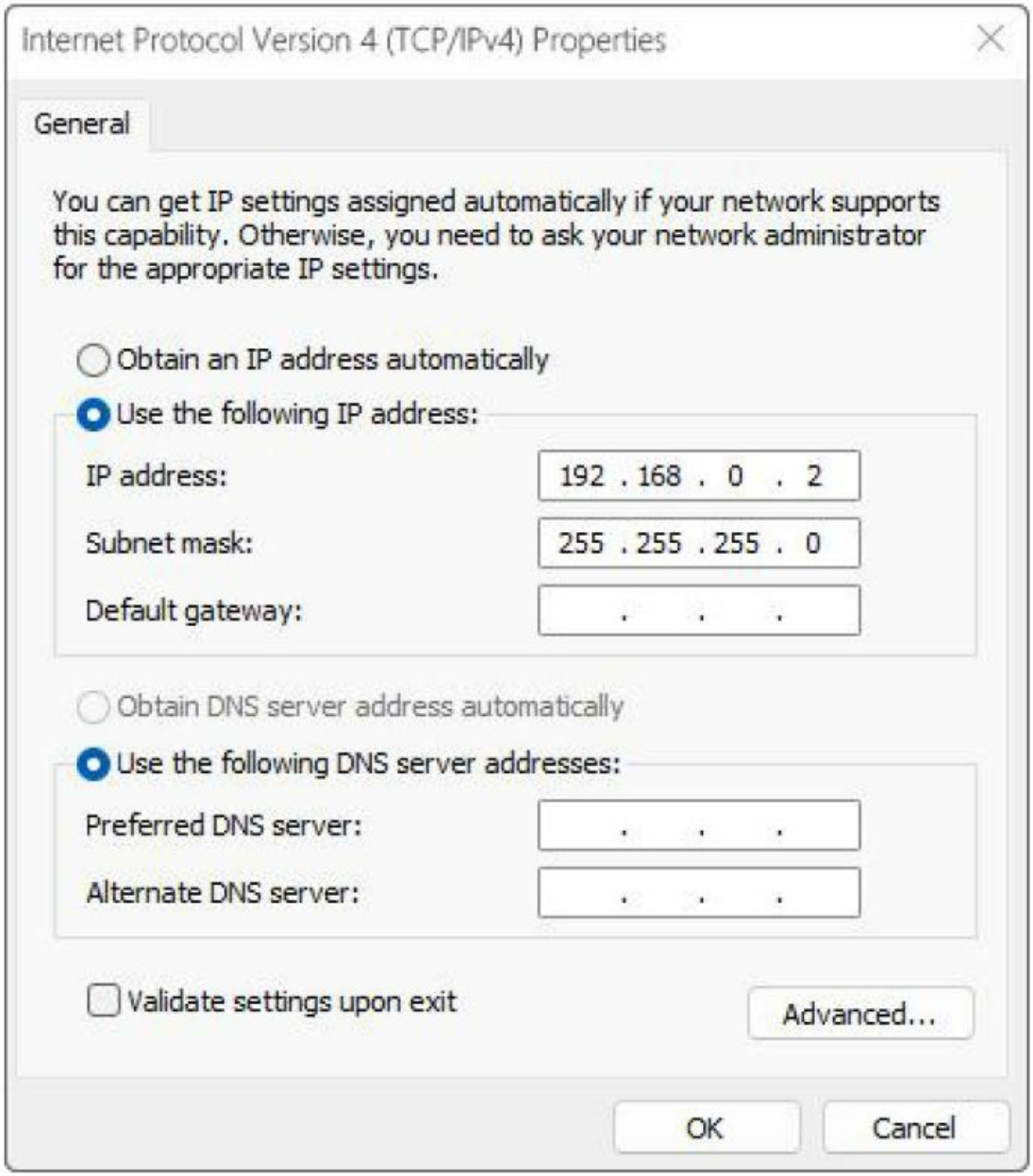
## Connecting the Management Ports

### Connecting the Console Port

- Prepare a console cable.
- Insert the RJ45 connector of the console cable into the console port on the switch.
- Connect the DB9 female connector on the other end of the console cable to the serial port on the computer host.

**Configuring the Switch**
Configuring the Switch Using the Web-based Interface

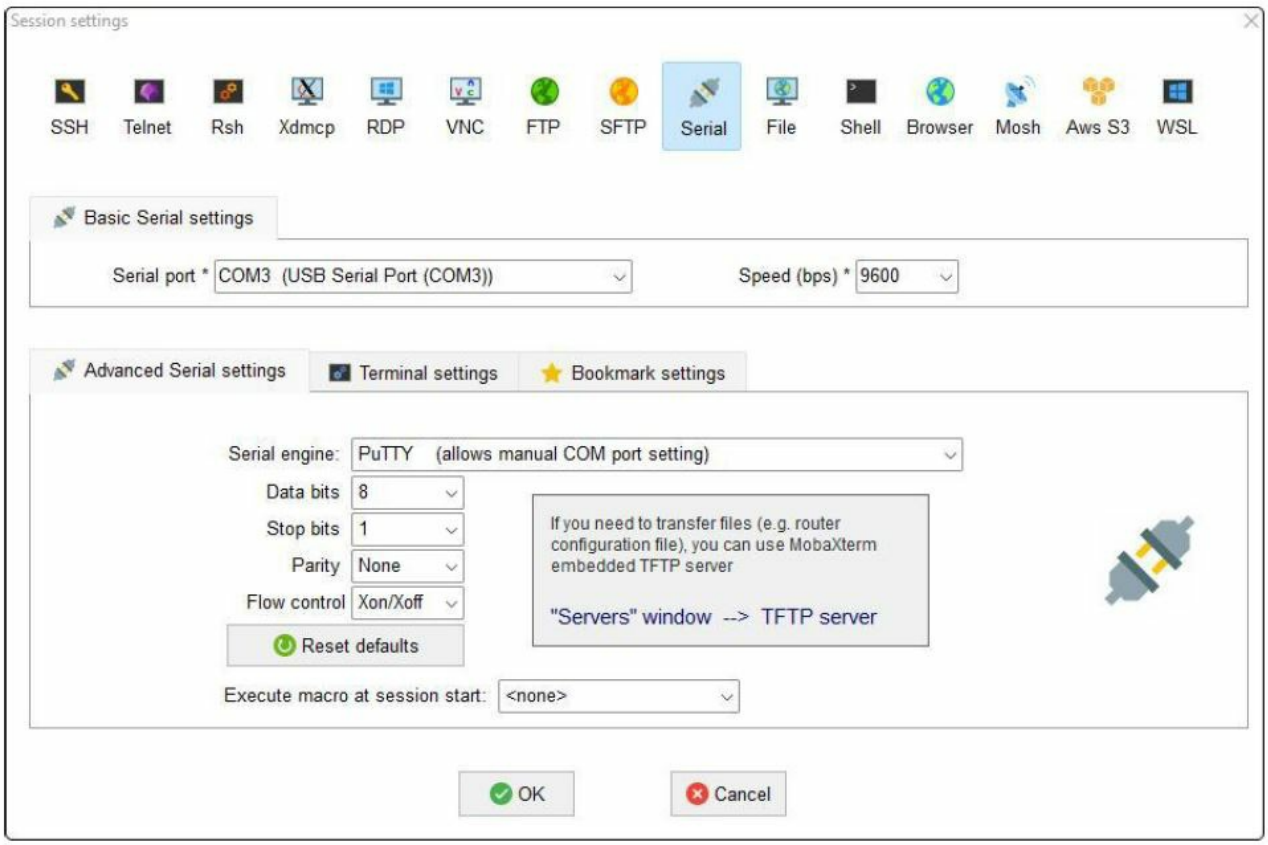
- **Step 1:** Connect your computer to the switch using an Ethernet cable and open a web browser.




- **Step 2:** Set the IP address of the computer to 192.168.0.x (where “x” is any number from 2 to 254) and the subnet mask to 255.255.255.0.
- **Step 3:** Open a web browser and type http://192.168.0.2 in the address bar. Enter the default username and password (admin/admin).
- **Step 4:** Click sign-in to access the web-based configuration page.

**Configuring the Switch Using the Console Port**

- **Step 1:** Use the console cable to directly connect the switch console port to your computer.
- **Step 2:** Launch the terminal simulation software such as Hyper Terminal on the computer.
- **Step 3:** Configure the parameters of the terminal emulation software as follows: 9600 bits per second, 8 data bits, no parity, 1 stop bit, and no flow control.




Step 4: Enter the default username and password (admin/admin).

- **Step 4:** Enter the default username and password (admin/admin).

## Troubleshooting

### Hardware Fault Analysis

1. Power and cooling systems—power and fan
2. Port, cable and connection—ports on the front panel of the switch and the cables connecting these ports

**Faults Relative to Power and Cooling System**
Do the following checkups to help remove the fault:

1. When the power on-off is at the “ON” location, check whether the fan works normally. If the fan does not work well, check the fan.
2. If the switch is too hot, check whether the air outlet and air inlet are clean and then do relative operations in section 2.3 “Requirements for Common Locations”.
3. If the switch cannot be started and the PWR indicator is off, check the power.

**Faults Relative to Port, Cable and Connection**

Do the following checkups to help remove the fault:

1. If the port of the switch cannot be linked, check whether the cable is correctly connected and whether the peer connection is normal.
2. If the power on-off is at the “ON” location, check the power source and the power cable.
3. If the CLI port does not work after the system is started up, check whether the CLI port is set to a baud rate of 9600 bps, eight data bits, no sum check bit, one stop bit and no traffic control.

#### Support and Other Resources

- Contact us: **https://www.qsfptek.com/company/contact-us.html**.
- Customer Success: **https://www.qsfptek.com/resources/customer-success-stories**.
- Email: **support@qsfptek.com**.

### Product Warranty

S5300 series switches are backed by a 5-year limited warranty supported by QSFPTEK. You are eligible to apply for a return within 14 days and exchange within 90 days of receiving them.
For more details about applying qualifications, please live chat or email **sales@qsfptek.com** for support.

- 5 Year Warranty
- 14-day Return Window

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### Documents / Resources

| | |
|---|---|
| | **QSFPTEK S5300-8TE4X-P Port Ethernet L2 Multi Gigabit PoE Switch** [pdf] User Guide S5300-8TE4X-P Port Ethernet L2 Multi Gigabit PoE Switch, S5300-8TE4X-P, Port Ethernet L2 Multi Gigabit PoE Switch, Ethernet L2 Multi Gigabit PoE Switch, L2 Multi Gigabit PoE Switch, Gigabit PoE Switch, PoE Switch |

### References

- **QSFPTEK - Compatible Optical Transceivers Factory Outlet**
- **QSFPTEK - Compatible Optical Transceivers Factory Outlet**
- **Title**
- **Customer Success Stories - QSFPTEK**
- **User Manual**

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