



S5300-24P4X Quick Start Guide

24-Port Gigabit Ethernet L2+ Switch

24x PoE+ Ports@370W, with 4x 10GE SFP+ Uplinks, Support Stacking

Quick Start Guide V1.0



Introduction

The QSFPTek S5300-24P4X is a next-gen PoE+ switch, with 24x GE RJ45 and 4x 10GE SFP+ uplinks. The 24x RJ45 ports support IEEE802.3af/at, supports powering connected IP phones, wireless access points, or other standards-compliant PoE and PoE+ end-network devices. It supports stacking of up to two S5300 series switches to deliver redundancy, simple management and resilience of network capacity.

We appreciate your decision to select S5300-24P4X. This manual is intended to help you become acquainted with the switch design and provide instructions for implementing the switches into your network.



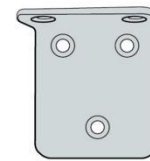
Accessories



Power Cord x1



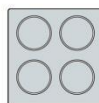
Console Cable x1



Mounting Bracket x2



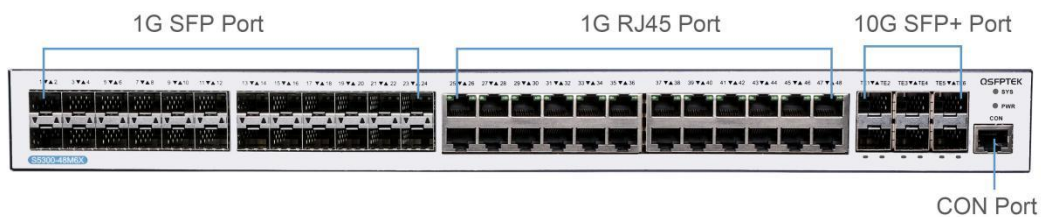
M3 Screw x6



Rubber Pad x4

Hardware Overview

Front Panel Ports



Ports	Description
Gigabit Ethernet port	RJ45 interface, LINK/ACT indicators
10G SFP+ Port	SFP+ ports, with LINK/ACT indicators
CON Port	A baud rate of 9600bps, RJ45 port

Front Panel LEDs



LEDs	Description
SYS LED	If the system is started normally, the SYS indicator flickers.
PWR LED	If the switch is powered on, the PWR indicator is on.
ACT LED	LINK/ACT

Back Panel



Abbrev	Name	Description
AC POWER	AC power supply	Input voltage: AC100~240V
Power switch	Power switch	ON means the power is switched on, while

		OFF means the power is cut off.
The grounding column	The grounding column	The grounding column must be fine.

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

Site Environment

- Make sure that the workshop is well-ventilated, the heat of electrical devices is well-discharged and sufficient air circulation is provided for device cooling.
- Avoid to damage devices by following the electrostatic discharge prevention procedure.
- Put the machine box at the place where cool air can blow off the heat inside the machine box. Make sure the machine box is sealed because the opened machine box will reverse the cool air flow

Mounting the Switch

Connecting the Power



1. Plug the AC power cord to the switch power port on the back rear.
2. Connect the other end of the power cord to a AC power source equipment.

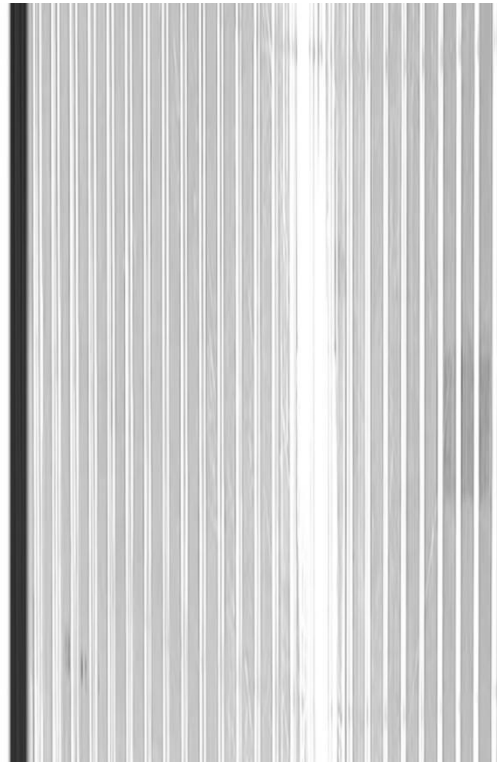
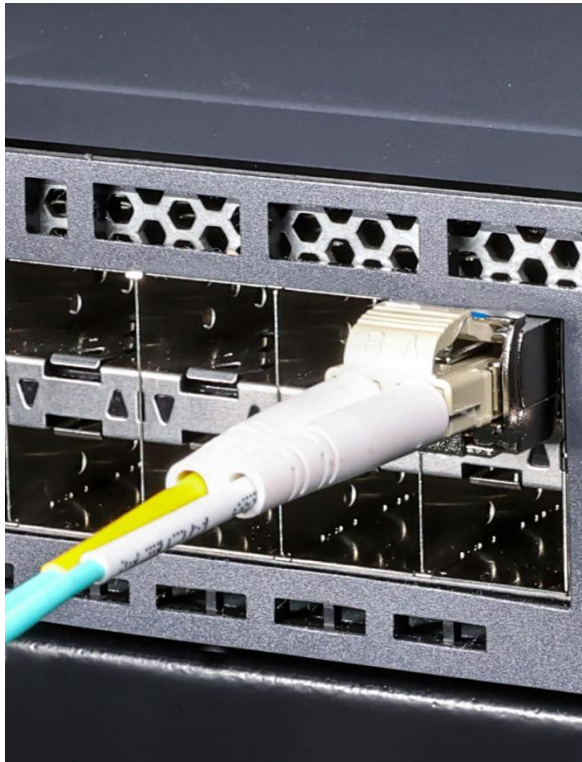
Connecting the RJ45 Port



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

2. Connect the other end of the Ethernet cable to the switch RJ45 port.

Connecting the SFP+ Port



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

Connecting the Management Ports

Connecting the Console Port



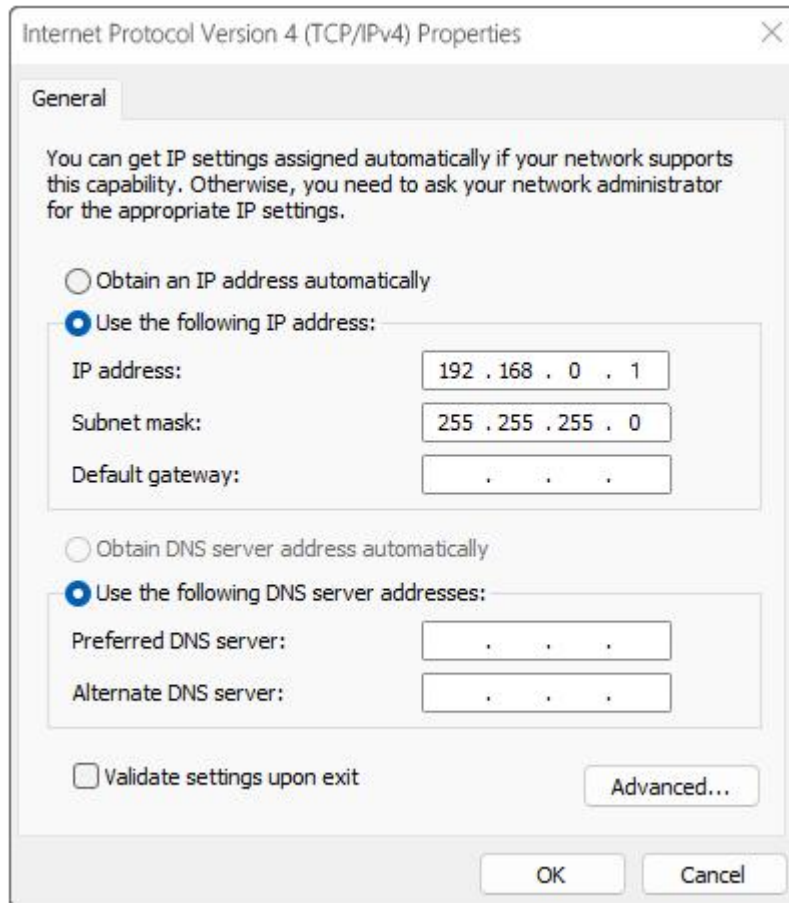
1. Prepare an console cable.
2. Insert the RJ45 connector of the console cable into the console port on the switch.
3. Connect the D89 female connector on the other end of the console cable to the serial port on the computer host.

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://192.168.0.1` 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 direct 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.

Session settings

SSH Telnet Rsh Xdmcp RDP VNC FTP SFTP **Serial** File Shell Browser Mosh Aws S3 WSL

Basic Serial settings

Serial port * COM3 (USB Serial Port (COM3)) Speed (bps) * 9600

Advanced Serial settings Terminal settings Bookmark settings

Serial engine: PuTTY (allows manual COM port setting)

Data bits 8

Stop bits 1

Parity None

Flow control Xon/Xoff

Reset defaults

Execute macro at session start: <none>

If you need to transfer files (e.g. router configuration file), you can use MobaXterm embedded TFTP server

"Servers" window --> TFTP server

OK Cancel

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

Troubleshooting

Hardware Fault Analysis

Power and cooling systems—power and fan

Port, cable and connection—ports on the front panel of the switch and the cables connecting these ports

Faults Relative with 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 with Port, Cable and Connection

Do the following checkups to help remove the fault:

If the port of the switch cannot be linked, check whether the cable is correctly connected and whether the peer connection is normal.

If the power on-off is at the "ON" location, check the power source and the power cable.

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>
- Email sales@qsfptek.com
- Customer Success <https://www.qsfptek.com/resources/customer-success-stories>

Product Warranty

S5300 series switches are backed by a 5-year limited warranty supported by QSPTEK. And you are eligible to apply for a return or exchange of your items within 14 days of receiving them.

For more details about applying qualifications, please live chat or email sales@qsfptek.com for support.



5 Years Warranty



30-days Return Window