QSFPTEK S5300-8P2S 8 Port Gigabit Ethernet L2 Access Switch User Guide

QSFPTEK

S5300-8P2S Quick Start Guide
8-Port Gigabit Ethernet L2+ Access Switch
8x PoE+ Ports @130W, 2x 1Gb SFP Uplinks, Fanless V1.0

www.qsfptek.com
v1.0

Contents

Introduction

The QSFPTEK S5300-8P2S 8-Port gigabit Ethernet switch comes with 8x GE RJ45 ports and 2x 1Gb SFP uplink ports. 8x RJ45 ports support IEEE 802.3af POE at (max 30w per port) for powering attached wireless access points, IP cameras, or other POE and POE+ standard terminal devices.
We appreciate your decision to select S5300-8P2S. 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

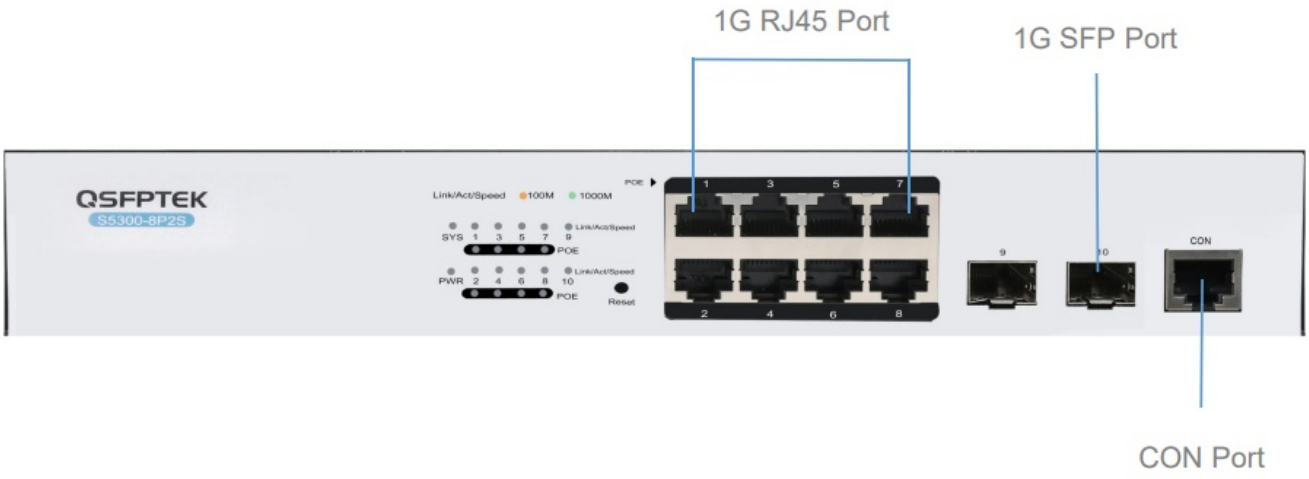
Mounting Bracket x2

M3 Screw x8

Rubber Pad x4

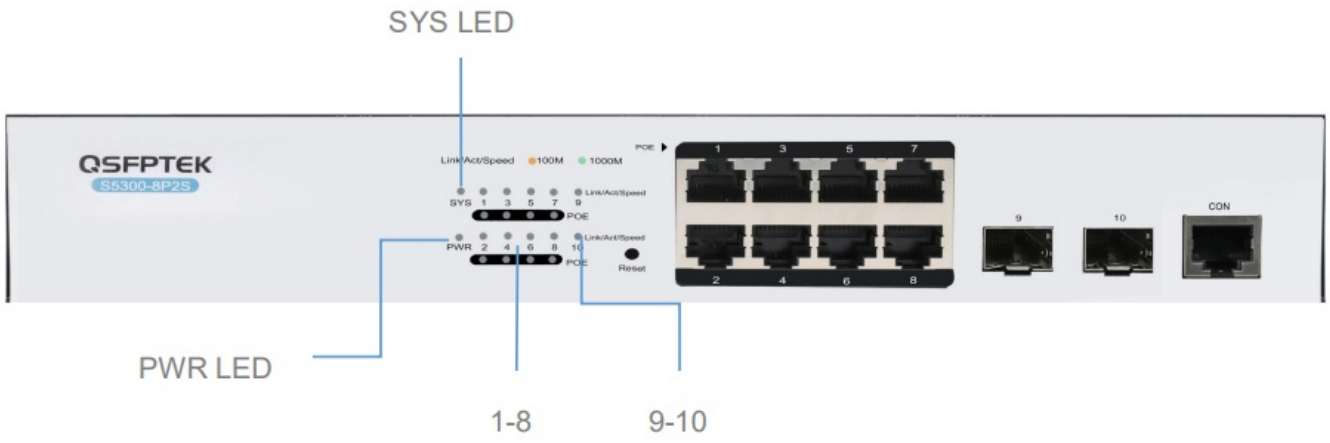
Hardware Overview

Front Panel Ports



Ports	Description
1G SFP Port	1G SFP ports, with LINK/ACT indicators
1G RJ TX Port	1G RJ45 ports, with LINK/ACT indicators
CON Port	A baud rate of 9600bps, RJ45 port

Front Panel LEDs



LEDS	Description
PWR LED	If the switch is powered on, the indicator is on.
SYS LED	If the switch is started, the system indicator flickers.
8-Jan	Always on in orange: 10/100M Always on in green: 1000M Off: no signal transmission
10-Sep	Always on in green: 1000M Off: no signal transmission

Back Panel

Abbrev	Name	Description
AC POWER	AC power supply	Input voltage: AC100 240V
The grounding column	The grounding column	The grounding must be fine.

Installation Requirements

Tools Preparation

- Screwdriver

- Static armguard
- 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.

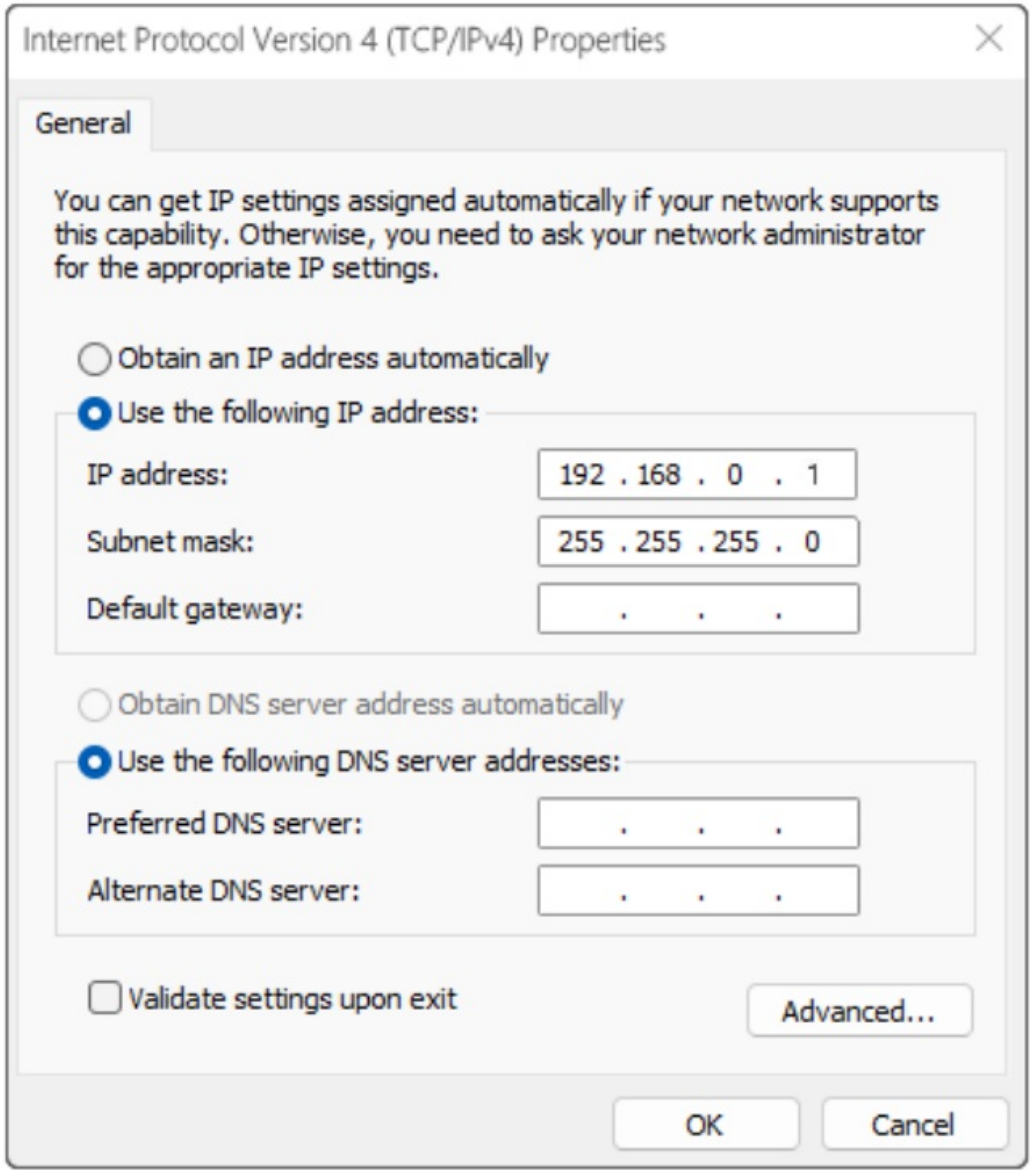
Connecting the Management Ports

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.

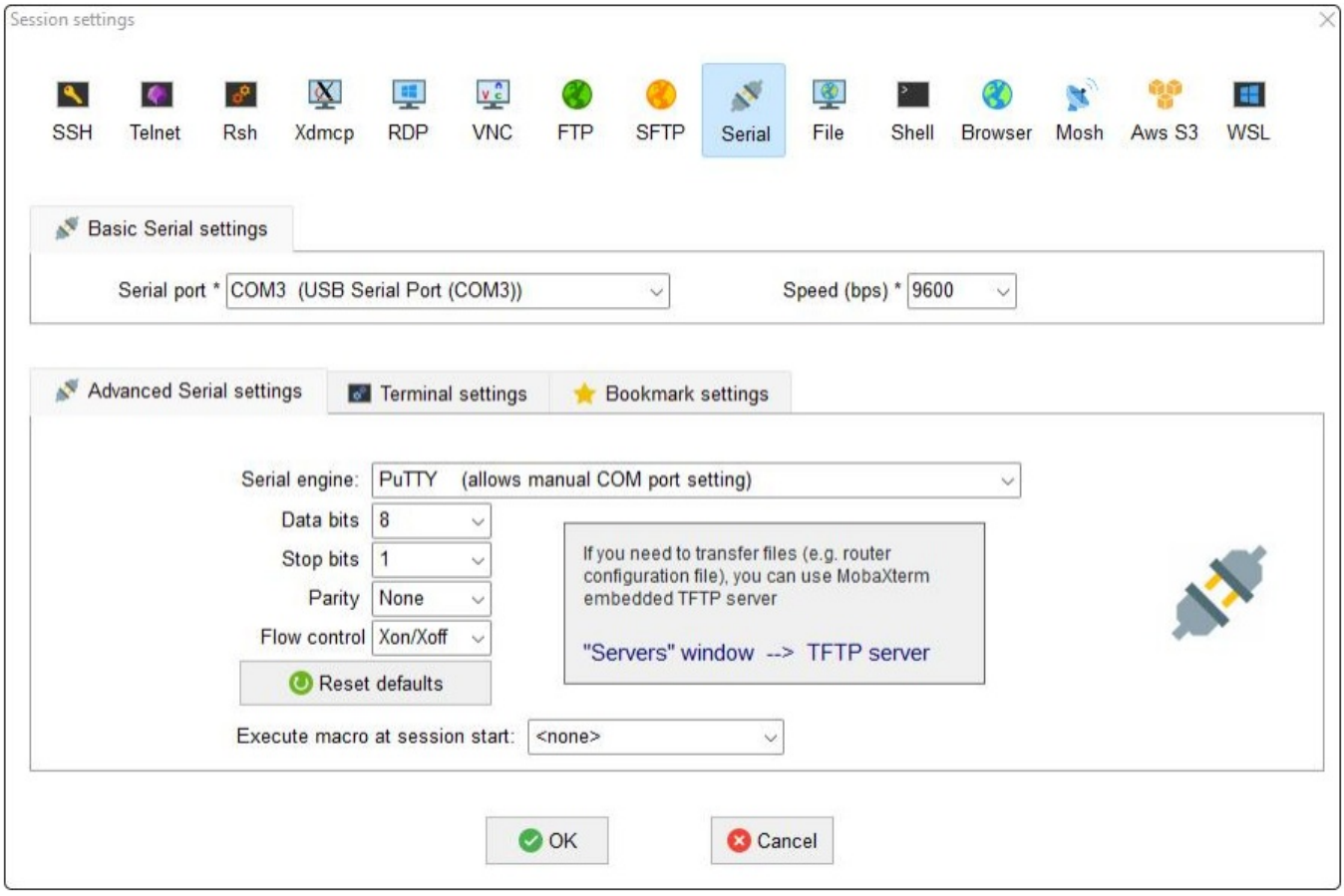
Configuring the Switch

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.



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 QSFPTEK. And you are eligible to apply for a return or e -xchange 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

www.qsfptek.com

Documents / Resources

	QSFPTEK S5300-8P2S 8 Port Gigabit Ethernet L2 Access Switch [pdf] User Guide S5300-8P2S 8 Port Gigabit Ethernet L2 Access Switch, S5300-8P2S, 8 Port Gigabit Ethernet L 2 Access Switch, Gigabit Ethernet L2 Access Switch, Ethernet L2 Access Switch, L2 Access S witch, Access Switch, Switch

References

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