



QSFPTEK S7300-48TE4X2Q 48 Port Multi Gigabit Managed Stackable Ethernet L3 Switch User Guide

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S7300-48TE4X2QQuickStartGuide
Quick Start Guide
V2.0



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48-Port Multi-Gigabit Ethernet L3 Switch

48x 100M/1000M/2.5GBASE-T Ports, with 4x 1G/10G SFP+ and 2x 40G QSFP+ Uplinks, Support BGP

Introduction

The QSFPTEK S7300-48TE4X2Q multi-gigabit L3 switch has 48x 100M/1000M/2.5GBASE-T RJ45 ports and 4x 10G and 2x 40G uplinks. S7300-48TE4X2Q is an access layer switch for high-end campuses, enterprise branches and SMB networks. With high-density 2.5G Ethernet ports for directly connecting gaming computers, S7300-48TE4X2Q is popular for deployment in the e-sports industry, such as high-end Internet cybercafes, gaming hotels, E-sports arenas, etc.

We appreciate your decision to select S7300-48TE4X2Q. This manual is intended to help you become acquainted with the switch design and provide instructions for implementing the switches into your network.



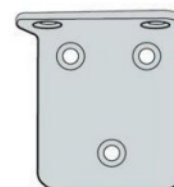
Accessories



Power Cord x1



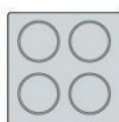
Console Cable x1



Mounting Bracket x2



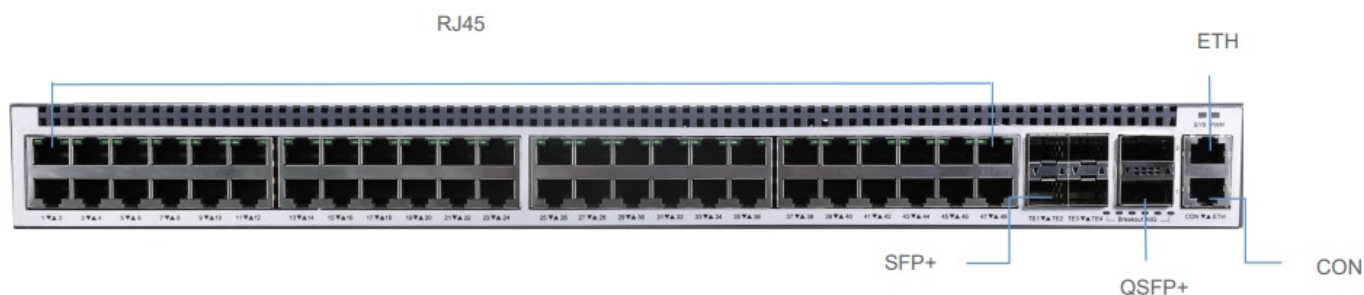
M3 Screw x6



Rubber Pad x4

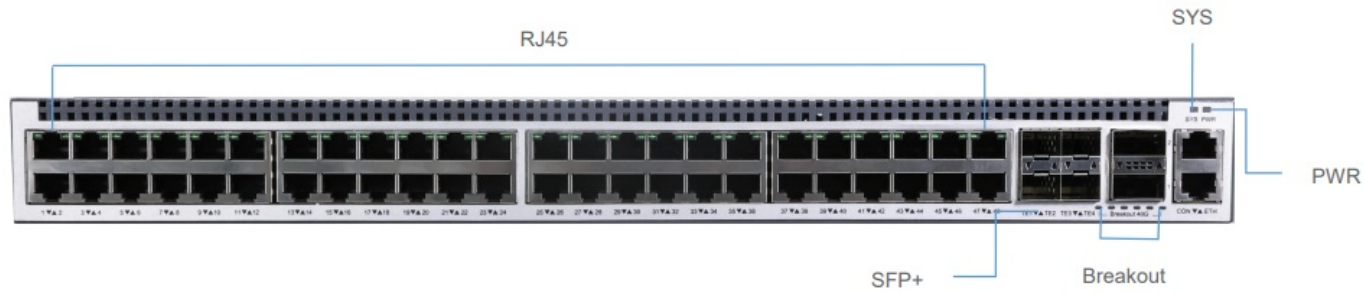
Hardware Overview

Front Panel Ports



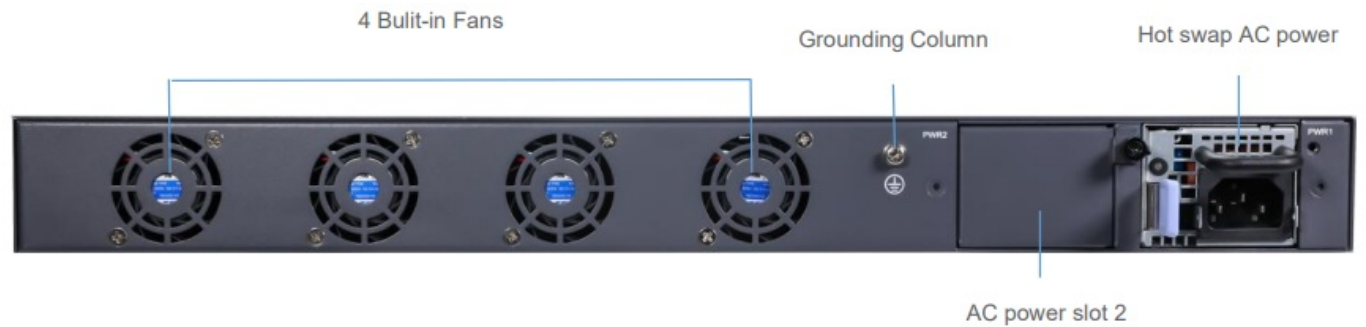
Ports	Description
RJ45	100M/1000M/2.5G-T ports for Ethernet connection, with LINK/ACT indicators
SFP+	Hot-swappable SFP+ ports for 1/10G connection, with LINK/ACT indicators
QSFP+	Hot-swappable SFP+ ports for 1/10G connection, with LINK/ACT indicators
CON	An RJ45 console port for serial management
ETH	An RJ-45 Ethernet management port

Front Panel LEDs



LEDS	Status	Description	
RJ45 (Port 1-48)	Green	On	2.5G port link.
		Blinking	2.5G packets receiving or transmitting .
SFP+ (Port TE1-TE4)	Green	On	10G port link.
		Blinking	10G packets receiving or transmitting .
QSFP+ (Breakout)	Green	On	10/40G port link.
		Blinking	10/40G packets receiving or transmitting.
SYS LED	/	/	If the SYS indicator flickers, the system work s normally.
PWR LED	/	/	If the PWR indicator is always on, the device is powered on.

Back Panel



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.
- S7300-48 TE4X2Q 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 fiber to the device that you want to realize data communication.

Connecting the QSFP+ Port



- Insert the QSFP+ module into the QSFP+ port.
- Plug a fiber patch cable to the QSFP+ transceiver.
- 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

- Prepare a console cable.
- Insert the RJ45 connector of the console cable into the console port on the switch.
- 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.

Internet Protocol Version 4 (TCP/IPv4) Properties

General

You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.

☐ Obtain an IP address automatically

☒ Use the following IP address:

IP address: 192 . 168 . 0 . 2

Subnet mask: 255 . 255 . 255 . 0

Default gateway: . . .

☐ Obtain DNS server address automatically

☒ Use the following DNS server addresses:

Preferred DNS server: . . .

Alternate DNS server: . . .

☐ Validate settings upon exit

Advanced...

OK Cancel

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.

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

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

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


Product Warranty

S7300 series switches are backed by a 5-year limited warranty supported by QSFPTTEK. 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.



Documents / Resources

 <p>QSFPTTEK S7300-48TE4X2Q 48 Port Multi Gigabit Managed Stackable Ethernet L3 Switch [pdf] User Guide</p>	<p>QSFPTTEK S7300-48TE4X2Q 48 Port Multi Gigabit Managed Stackable Ethernet L3 Switch</p> <p>[pdf] User Guide</p> <p>S7300-48TE4X2Q 48 Port Multi Gigabit Managed Stackable Ethernet L3 Switch, S7300-48TE4X2Q, 48 Port Multi Gigabit Managed Stackable Ethernet L3 Switch, Managed Stackable Ethernet L3 Switch, Stackable Ethernet L3 Switch, Ethernet L3 Switch, L3 Switch</p>
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References

- [QSFPTTEK - Compatible Optical Transceivers Factory Outlet](#)
- [Title](#)
- [Customer Success Stories - QSFPTTEK](#)
- [User Manual](#)