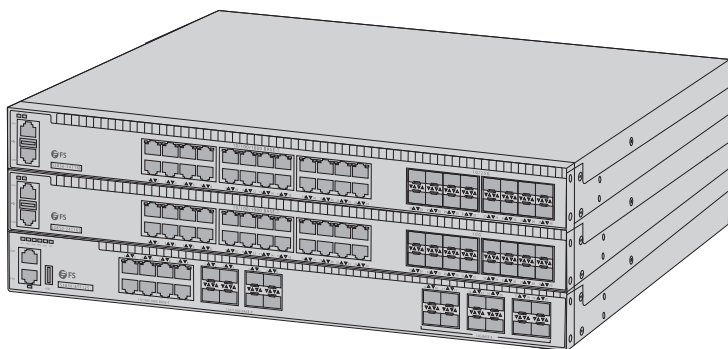




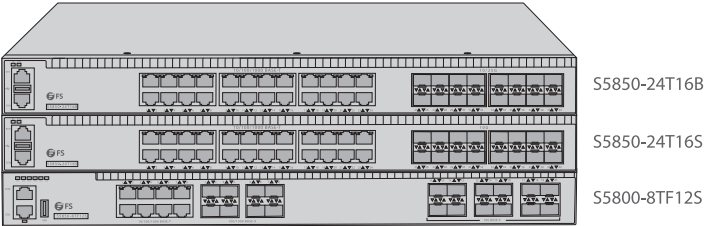
S58 Series 10G/25G Switches

HYPER-CONVERGED INFRASTRUCTURE SWITCHES

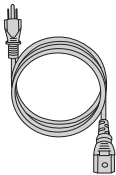
Quick Start Guide **V3.0**

Introduction

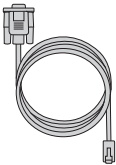
Thank you for choosing S58 series switches. This guide is designed to familiarize you with the layout of the switches and describes how to deploy the switches in your network.



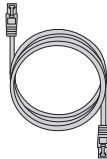
Accessories



Power Cord x2



Console Cable x1



Network Cable x1



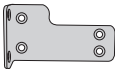
Grounding Cable x1



Rubber Pad x4



M4 Screw x8

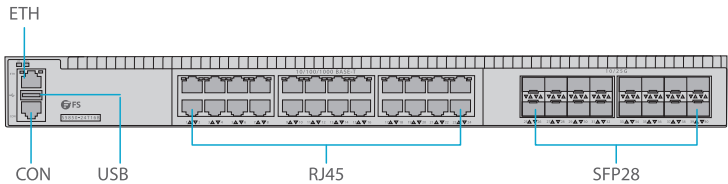


Mounting Bracket x2

Hardware Overview

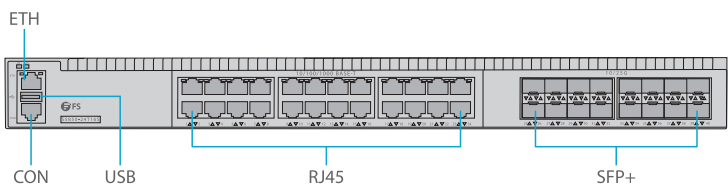
Front Panel Ports

S5850-24T16B



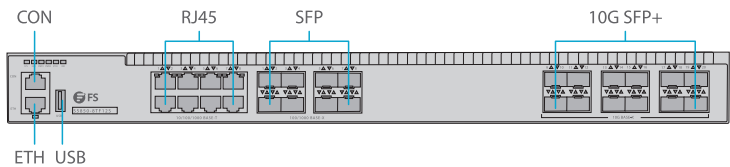
Ports	Description
RJ45	10/100/1000BASE-T ports for Ethernet connection
SFP28	SFP28 ports for 10/25G transceivers
ETH	An Ethernet management port
CON	An RJ45 console port for serial management
USB	A USB management port for software and configuration backup and offline software upgrade

S5850-24T16S



Ports	Description
RJ45	10/100/1000BASE-T ports for Ethernet connection
SFP+	SFP+ ports for 1/10G connection
ETH	An Ethernet management port
CON	An RJ45 console port for serial management
USB	A USB management port for software and configuration backup and offline software upgrade

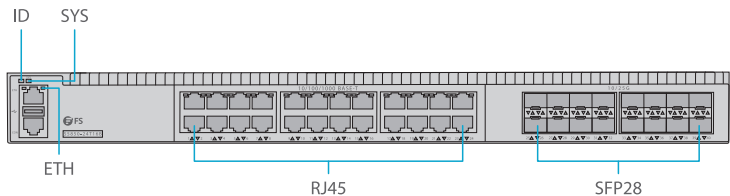
S5800-8TF12S



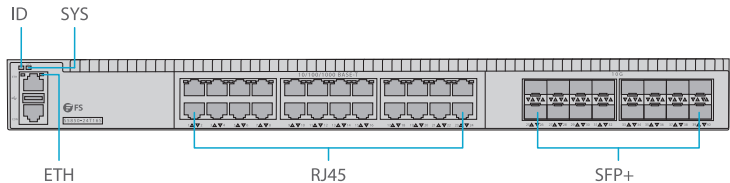
Ports		Description
RJ45	Combo Ports	10/100/1000BASE-T ports for Ethernet connection
SFP		SFP ports for 100/1000BASE-X transceivers
SFP+		SFP+ ports for 1/10G transceivers
CON		An RJ45 console port for serial management
ETH	/	An Ethernet management port
USB		A USB management port for software and configuration backup and offline software upgrade

LEDs

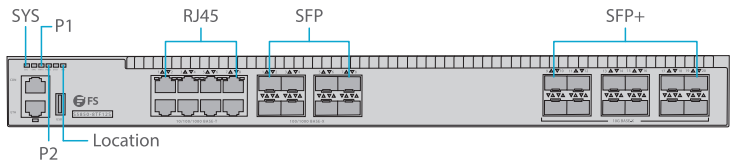
S5850-24T16B



S5850-24T16S



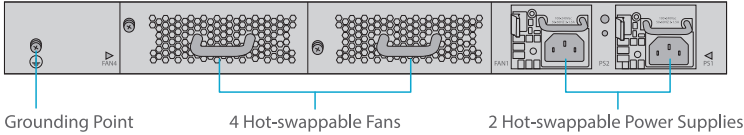
S5800-8TF12S



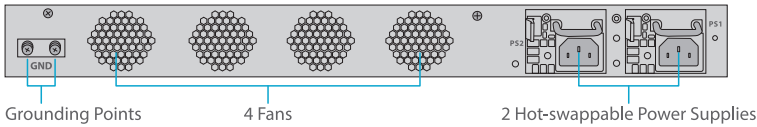
LEDs		Status	Description
SYS	Green		System is abnormal.
	Blinking Green Quickly (2Hz)		The system is running in u-boot mode.
	Blinking Green Slowly (0.5Hz)		The system is normally running.
	Amber		The system occurs alarm or error.
	Blinking Amber Quickly		System is initial in u-boot mode.
	Blinking Amber Slowly		System software is in initial state.
	Off		No power or no system runs or runs abnormally.
PWR	Green		Power supply is ok.
	Amber		Power supply is abnormal.
	Off		Power supply is absent or single power supply is abnormal.
ID	Blue		ID indication function enable.
	Off		ID indication function disable.
ETH	Green		Port is linked.
	Blinking Green		Port is receiving or transmitting packets.
	Off		Port is not linked.
RJ45	Green		1G port is linked.
	Blinking Green		1G packets are receiving or transmitting.
	Amber		10/100M port is linked.
	Blinking Amber		10/100M packets are receiving or transmitting.
	Off		Port is not linked.
SFP+	Green		10G port is linked.
	Blinking Green		10G packets are receiving or transmitting.
	Amber		1G port is linked.
	Blinking Amber		1G packets are receiving or transmitting.
	Off		Port is not linked.
SFP28	Green	On	25G port is linked.
		Blinking	25G packets are receiving or transmitting.
	Amber	On	10G port is linked.
		Blinking	10G packets are receiving or transmitting.
	Off		Port is not linked.

Back Panels

S5850-24T16B/S5850-24T16S



S5800-8TF12S



Installation Requirements

Before you begin the installation, make sure that you have the following:

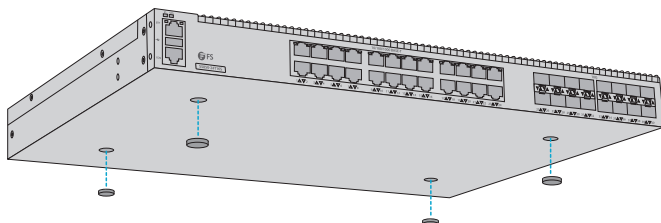
- Phillips screwdriver.
- Standard-sized, 19" wide rack with a minimum of 1U height available.
- Category 5e or higher RJ-45 Ethernet cables for connecting network devices.

Site Environment:

- Do not operate it in an area that exceeds an ambient temperature of 45°C.
- The installation site must be well ventilated. Ensure that there is adequate air flow around the switch.
- Be sure that the switch is level and stable to avoid any hazardous conditions.
- Do not install the equipment in a dusty environment.
- The installation site must be free from leaking or dripping water, heavy dew, and humidity.

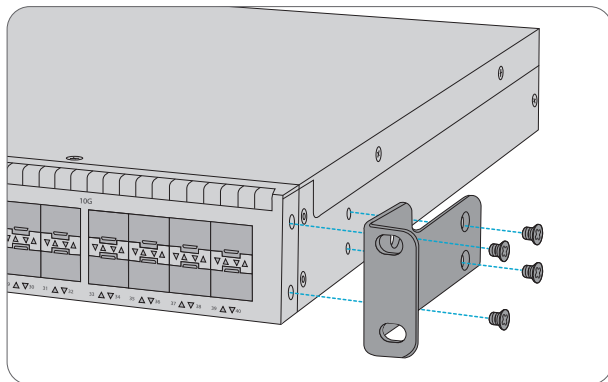
Mounting the switch

Desk Mounting

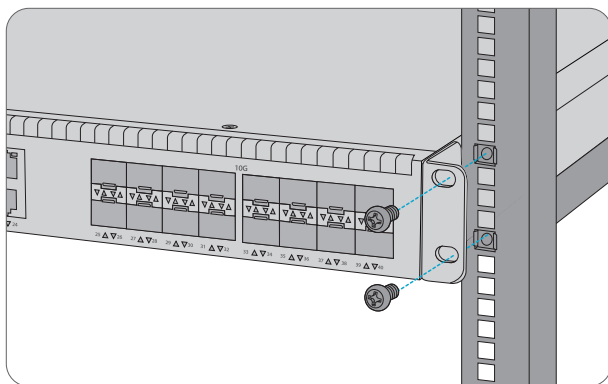


1. Attach four rubber pads to the bottom.
2. Place the chassis on the desk.

Rack Mounting

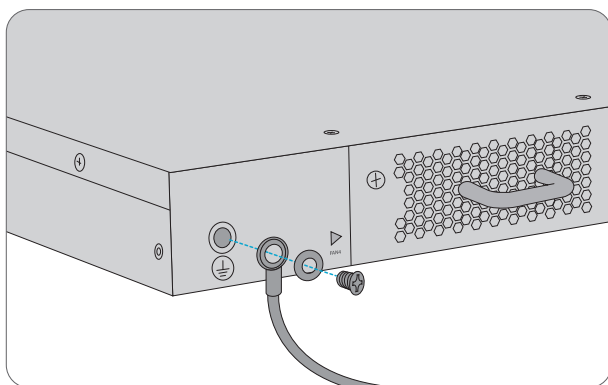


1. Secure the mounting brackets to the two sides of the switch with eight M4 screws.



2. Attach the switch to the rack using four M6 screws and cage nuts.

Grounding the Switch

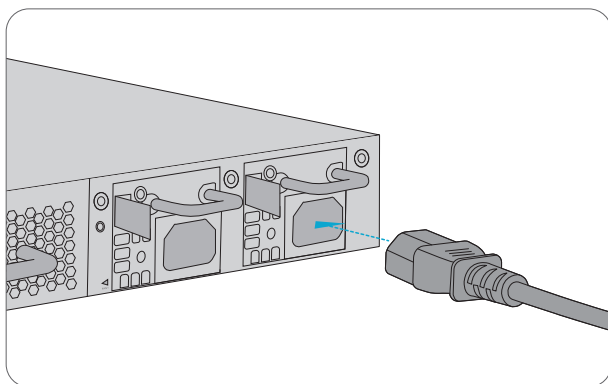


1. Connect one end of the grounding cable to a proper earth ground, such as the rack in which the switch is mounted.
2. Secure the grounding lug to the grounding point on the switch back panel with the washers and screws.



CAUTION: The earth connection must not be removed unless all supply connections have been disconnected.

Connecting the Power

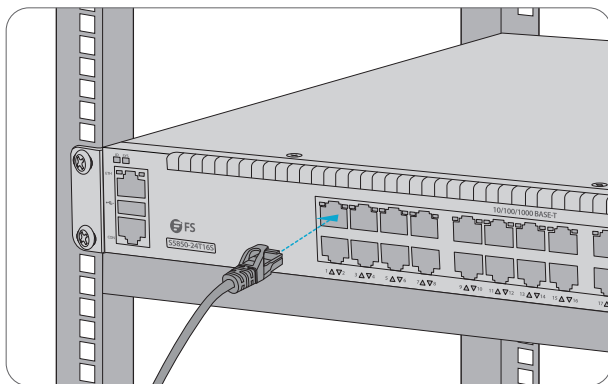


1. Plug the AC power cord into the power port on the back of the switch.
2. Connect the other end of the power cord to an AC power source.



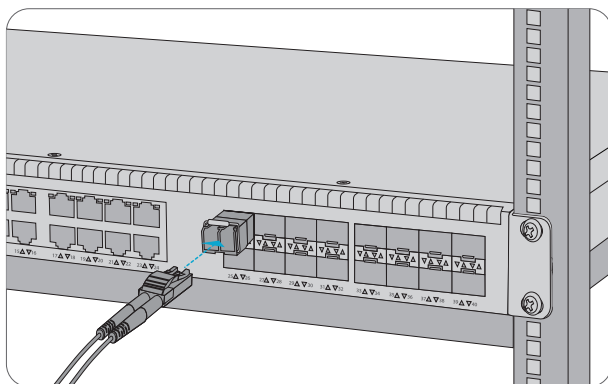
WARNING: Do not install power cable while the power is on.

Connecting the RJ45 Ports



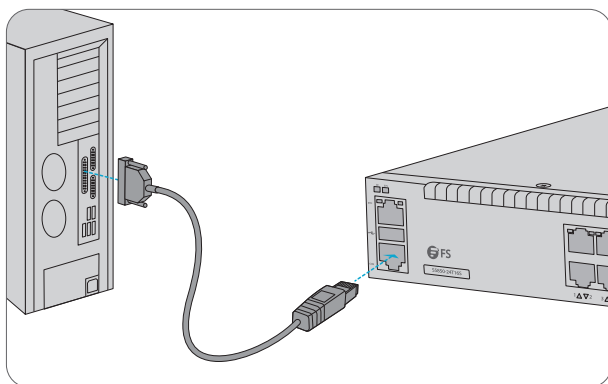
1. Connect an Ethernet cable to the RJ45 port of a computer, printer, network storage, or other network devices.
2. Connect the other end of the Ethernet cable to the RJ45 port of the switch.

Connecting the SFP+ Ports



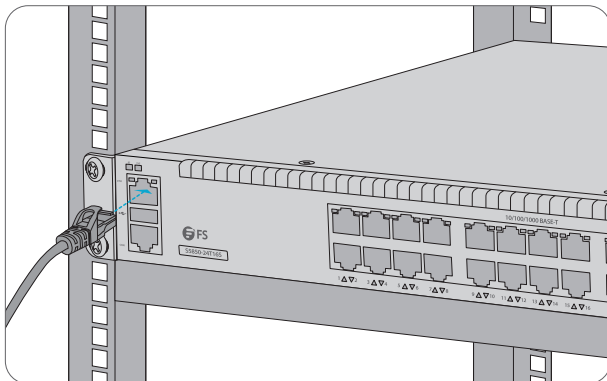
1. Plug the compatible SFP+/ SFP transceiver into the SFP+ port.
2. Connect a fiber optic cable to the fiber transceiver. Then connect the other end of the cable to another fiber device.

Connecting the Console Port



1. Insert the RJ45 connector of the console cable into the RJ45 console port on the front of the switch.
2. Connect the other end of the console cable to the RS-232 serial port on the computer.

Connecting the ETH Port



1. Connect one end of a standard RJ45 Ethernet cable to a computer.
2. Connect the other end of the cable to the ETH port on the front of the switch.

Configuring the Switch

Configuring the Switch Using the Web-based Interface

- Step 1: Connect the computer to any Ethernet port of the switch using the network cable.
- Step 2: Set the IP address of the computer to **192.168.1.x** ("x" is any number from 2 to 254.).
- Set the subnet mask of the computer to **255.255.255.0**

A screenshot of the 'Internet Protocol Version 4 (TCP/IPv4) Properties' dialog box. The 'General' tab is selected. It shows two radio buttons: 'Obtain an IP address automatically' (unselected) and 'Use the following IP address:' (selected). Below the selected option, there are three input fields: 'IP address:' with the value '192 . 168 . 1 . 2', 'Subnet mask:' with the value '255 . 255 . 255 . 0', and 'Default gateway:' with three empty fields. There are also two radio buttons for DNS: 'Obtain DNS server address automatically' (unselected) and 'Use the following DNS server addresses:' (selected). Below the selected option, there are two input fields: 'Preferred DNS server:' and 'Alternate DNS server:', both with three empty fields. At the bottom, there is a checkbox for 'Validate settings upon exit' (unchecked) and an 'Advanced...' button. The 'OK' and 'Cancel' buttons are at the bottom right.

Step 3: Open a browser, type **http://192.168.1.1**, and enter the default username and password, **admin/admin**.

Step 4: Click **Sign in** to display the web-based configuration page.

Configuring the Switch Using the Console Port

Step 1: Connect a computer to the switch's console port using the supplied console cable.

Step 2: Start the terminal simulation software such as HyperTerminal on the computer.

Step 3: Set the parameters of the HyperTerminal: 115200 bits per second, 8 data bits, no parity, 1 stop bit and no flow control.

Quick Connect

Protocol:Serial

Port:COM3

Baud rate:115200

Data bits:8

Parity:None

Stop bits:1

Name of pipe:

Flow Control

☐ DTR/DSR

☐ RTS/CTS

☐ XON/XOFF

☐ Show quick connect on startup

☒ Save session

☒ Open in a tab

Connect

Cancel

Step 4: Enter the default username and password, **admin/admin**.

Troubleshooting

Power LED Working Abnormally

1. Check the power cable connections at the switch and the power source.
2. Make sure the power cord used matches the voltage and frequency of your local power.

HyperTerminal Displaying Abnormally

1. Make sure the power supply is normal and the console cable is properly connected.
2. Check if the console cable is the right type.
3. Check if the control cable driver is properly installed on the computer.
4. Ensure the parameters of the HyperTerminal are correct.

Accessing the Web-based Configuration Page Unsuccessfully

1. Check every port LED on the switch and make sure the Ethernet cable is connected properly.
2. Try another port on the switch and make sure the Ethernet cable is suitable and works normally.
3. Power off the switch and, after a while, power it on again.
4. Make sure the IP address of your PC is set within the subnet of the switch.
5. If you still cannot access the configuration page, please restore the switch to its factory defaults. Then the IP address of your PC should be set as 192.168.1.x ("x" is any number from 2 to 254) and Subnet Mask as 255.255.255.0.

Support and Other Resources

- Download <https://www.fs.com/download.html>
- Help Center https://www.fs.com/service/help_center.html
- Contact Us https://www.fs.com/contact_us.html

Product Warranty

FS ensures our customers that any damage or faulty items due to our workmanship, we will offer a free return within 30 Days from the day you receive your goods. This excludes any custom made items or tailored solutions.



Warranty: S58 Series Switches enjoy 5 years limited warranty against defect in materials or workmanship. For more details about warranty, please check at <https://www.fs.com/policies/warranty.html>



Return: If you want to return item(s), information on how to return can be found at https://www.fs.com/policies/day_return_policy.html