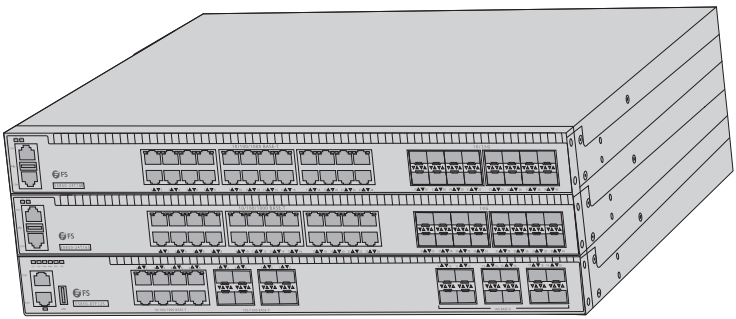


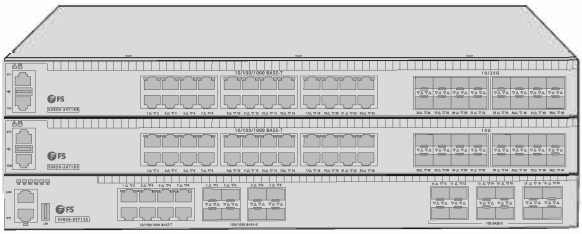
S58 Series 10G/25G Switches

# 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.

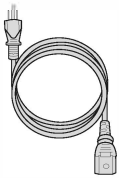


S5850-24T16B

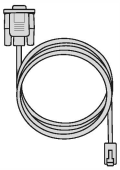
S5850-24T16S
OctoGate Bezeichnung:
SW-4003-P08-RJ45

S5800-8TF12S
OctoGate Bezeichnung:
SW-4003-P08-RJ45

# Accessories



Power Cord x2



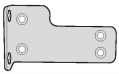
Console Cable x1

Network Cable x1

Grounding Cable x1

Rubber Pad x4

M4 Screw x8

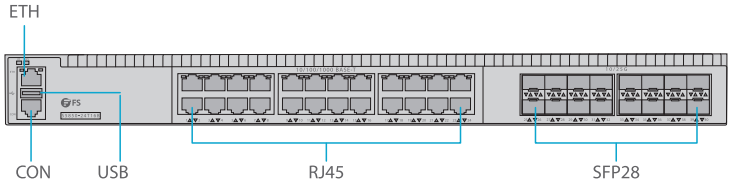


Mounting Bracket x2

# Hardware Overview

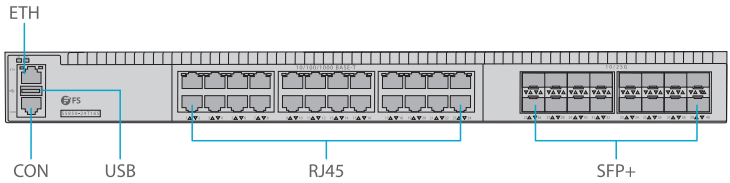
## Front Panel Ports

S5850-24T16B



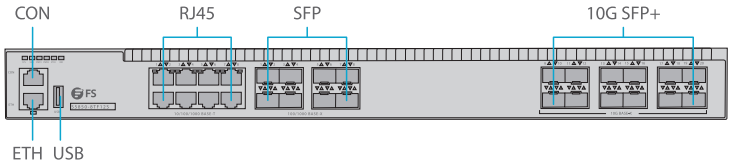

| Ports | Description |
|---|---|
| RJ45 | 10/100/1000BASE-T ports for Ethernet connection |
| SFP28 | SFP28 ports for 10/25G transceivers |
| ETH | An Ethernet management port |
| CON | An RJ45 console port for serial management |
| USB | A USB management port for software and configuration backup and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

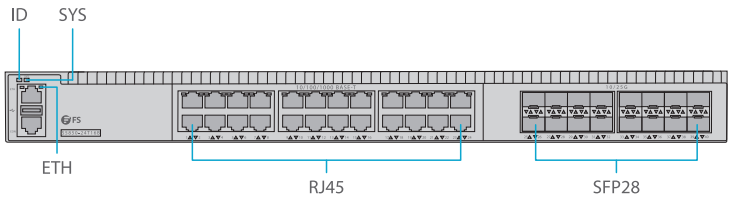
S5800-8TF12S



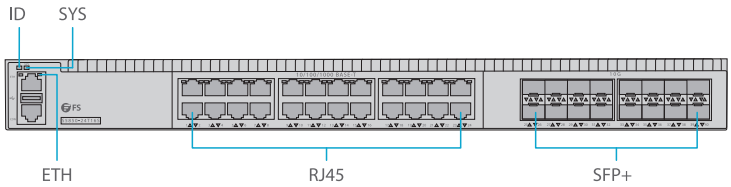

| Ports | | Description |
|---|---|---|
| RJ45 | Combo Ports | 10/100/1000BASE-T ports for Ethernet connection |
| SFP | | SFP ports for 100/1000BASE-X transceivers |
| SFP+ | / | SFP+ ports for 1/10G transceivers |
| CON | | An RJ45 console port for serial management |
| ETH | | An Ethernet management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

## LEDs

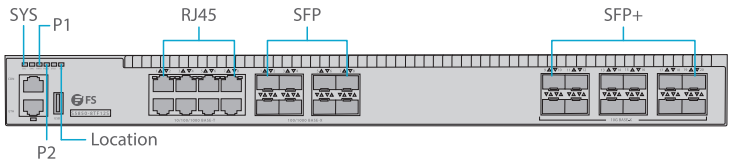
S5850-24T16B




S5850-24T16S



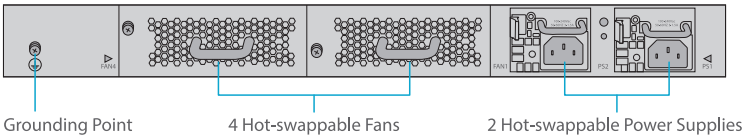

S5800-8TF12S



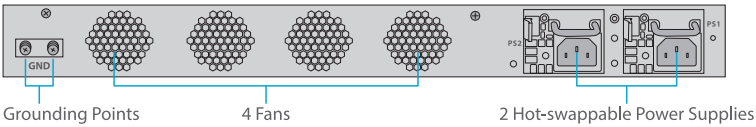
| LEDs | Status | | Description |
|---|---|---|---|
| SYS | Green | | System is abnormal. |
| | Blinking Green Quickly (2Hz) | | The system is running in u-boot mode. |
| | Blinking Green Slowly (0.5Hz) | | The system is normally running. |
| | Amber | | The system occurs alarm or error. |
| | Blinking 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:

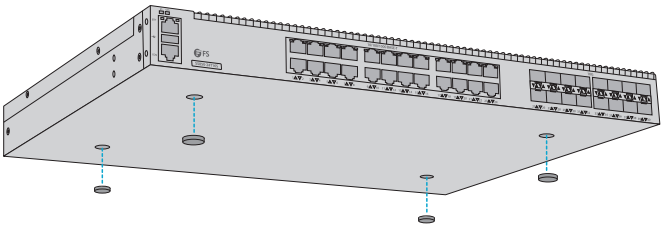
- Phillips screwdriver.
- Standard-sized, 19" wide rack with a minimum of 1U height available.
- Category 5e or higher RJ-45 Ethernet cables for connecting network devices.

### 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.

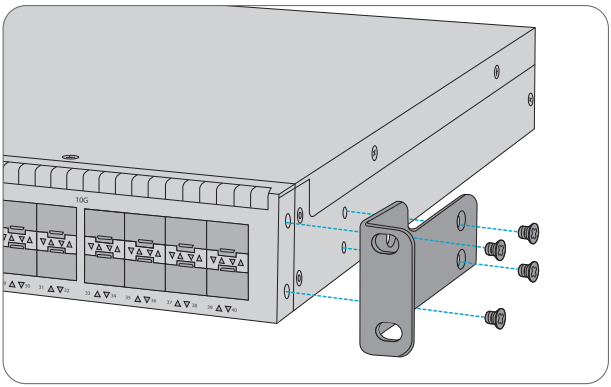
# Mounting the switch

## Desk Mounting

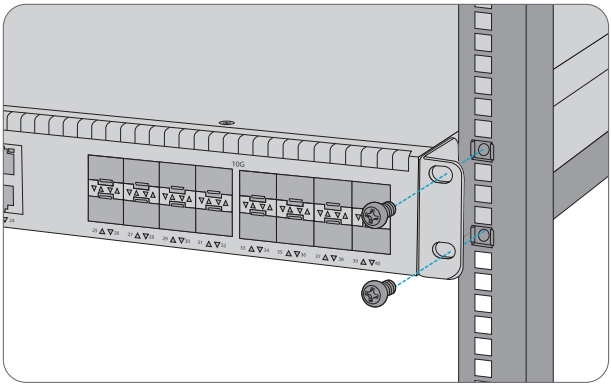


1. Attach four rubber pads to the bottom.
2. Place the chassis on the desk.

## Rack Mounting

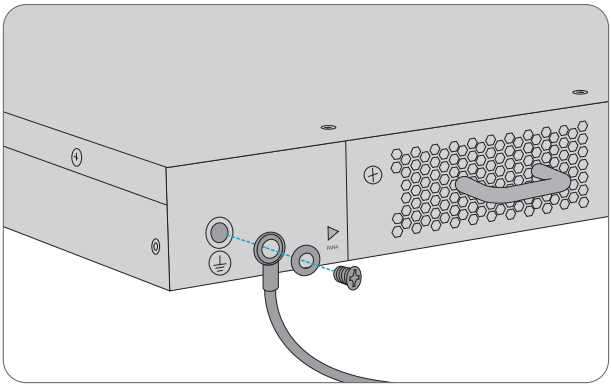



1. Secure the mounting brackets to the two sides of the switch with eight M4 screws.



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

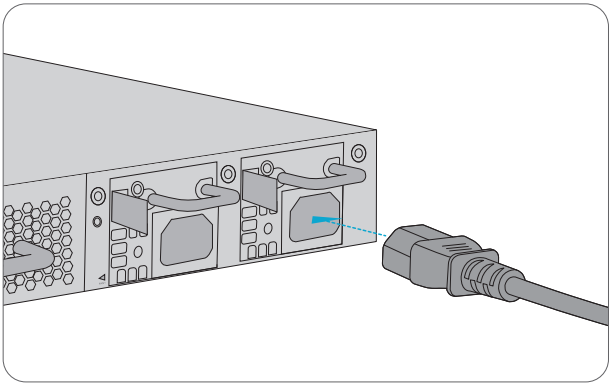
## Grounding the Switch



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.

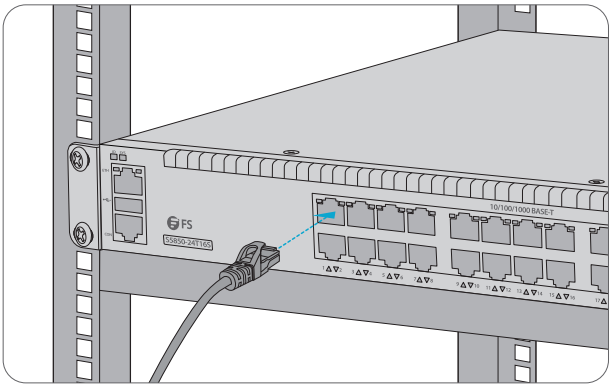
## Connecting the Power



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.

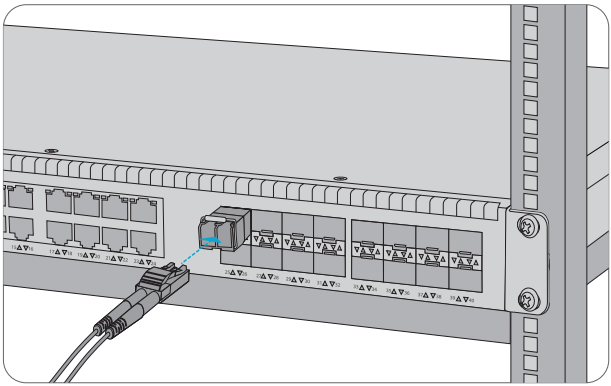
**WARNING:** Do not install power cable while the power is on.

## Connecting the RJ45 Ports



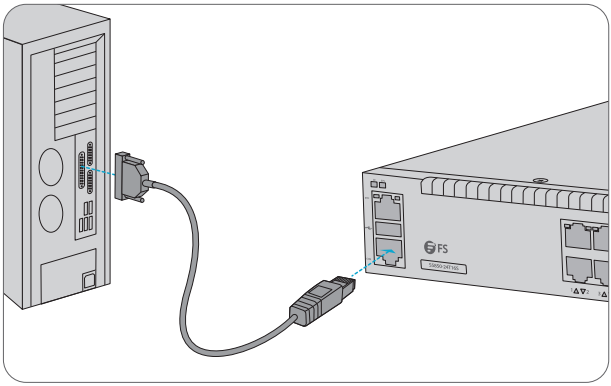

1. Connect an Ethernet cable to the RJ45 port of a computer, printer, network storage, or other network devices.
2. Connect the other end of the Ethernet cable to the RJ45 port of the switch.

## Connecting the SFP+ Ports



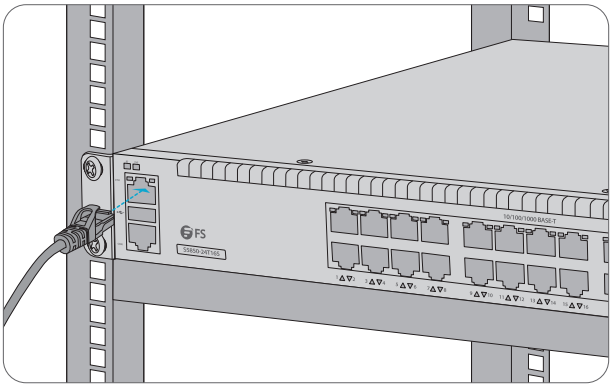
1. Plug the compatible SFP+/ SFP transceiver into the SFP+ port.
2. Connect a fiber optic cable to the fiber transceiver. Then connect the other end of the cable to another fiber device.

## 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.

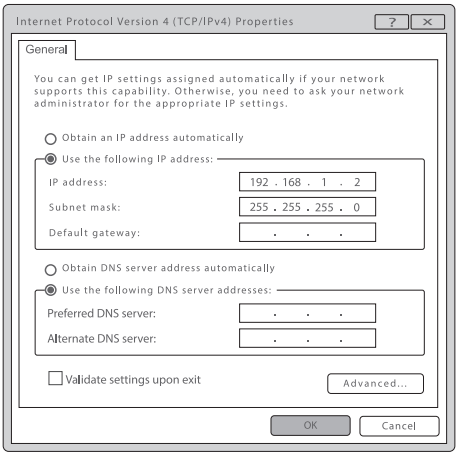
## Configuring the Switch

### 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**



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

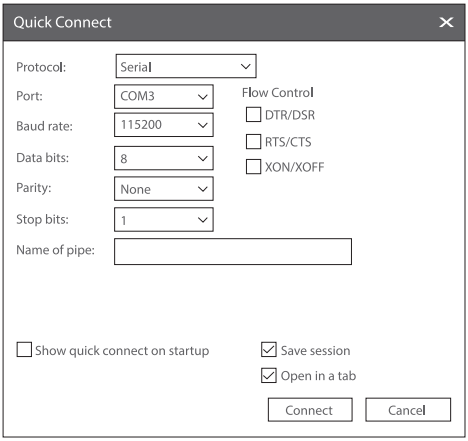
Step 4: Click **Sign in** to display the web-based configuration page.

## 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.




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

Q.C. PASSED