

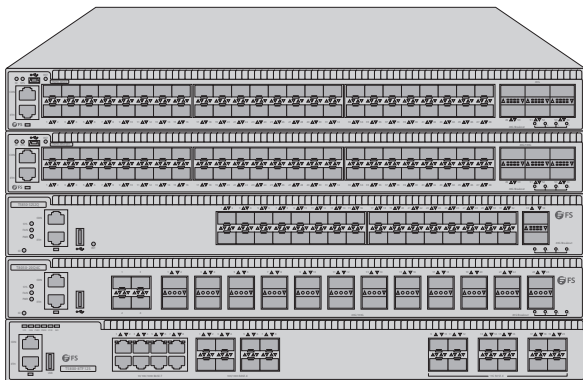
T5850, T5800, T8050 Series

NETWORK TAP AGGREGATION

Quick Start Guide **V1.0**

Introduction

Thank you for choosing T5850, T5800 and T8050 Series Network TAP Aggregation. This guide is designed to familiarize you with the layout of the Network TAP Aggregation and describes how to deploy it in your network.



T5850-48S6Q

T5850-48S2Q4C

T5850-32S20

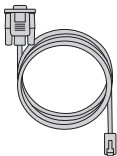
T8050-20Q4C

T5800-8TF12S

Accessories



Power Cord x2



Console Cable x1



Cat5e Cable x1



Grounding Cable x1



Rack Mount Bracket x2



M4 Screw x8

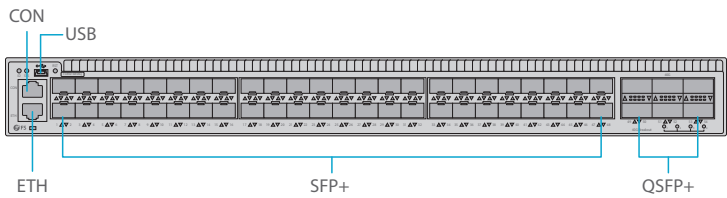


Rubber Pad x4

Hardware Overview

Front Panel Ports

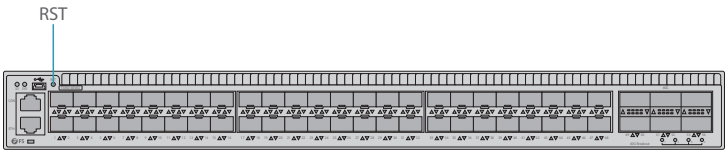
T5850-48S6Q



Ports	Description
USB	A USB 2.0 management port
CON	An RJ45 console port for serial management
ETH	An Ethernet management port
SFP+	Hot swappable SFP+ ports for 1G/10G connection
QSFP+	Hot swappable QSFP+ ports for 40G connection

Front Panel Button

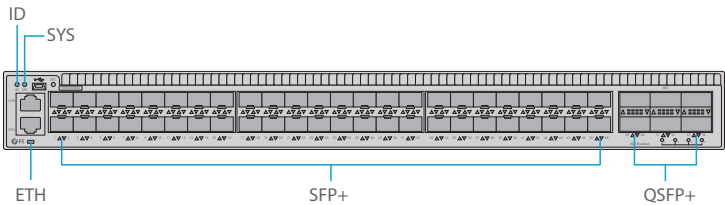
T5850-48S6Q



Button	Description
RST	Restart: Press and release the RST button quickly.
	Restore to Factory Default Settings: Press and hold the RST button for more than five seconds.

Front Panel LEDs

T5850-48S6Q

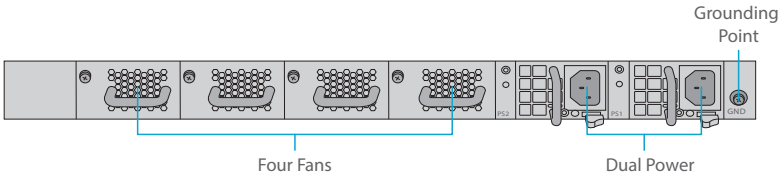


LEDs	Status	Description
ID	Green	Help locate the TAP aggregation.
SYS	Green	On: System is working abnormally.
		Blinking Quickly (2Hz): System is powered on but CPU is not running.
		Blinking Slowly (0.5Hz): System is working normally.
	Amber	On: System occurs alarm or error.
		Blinking Quickly (2Hz): System is in u-boot initiation.
		Blinking Slowly (0.5Hz): System is in system initiation.
	Off	No power or system is not working or working abnormally.

LEDs	Status	Description
ETH	Green	A device is connected to the port, but no activity.
	Blinking Green	Data is being transmitted or received.
	Off	No device is connected to the port.
SFP+/ QSFP+	Green	A device is connected to the corresponding port, but no activity.
	Blinking Green	Data is being transmitted or received.
	Off	No device is connected to the corresponding port.

Back Panels

T5850-48S6Q

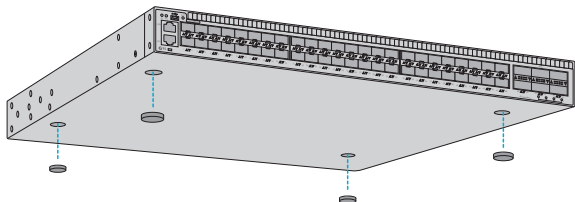


Site Environment

- Do not operate it in an area that exceeds an ambient temperature of 45°C.
- The installation site should be well ventilated.
- Be sure that the TAP aggregation 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.

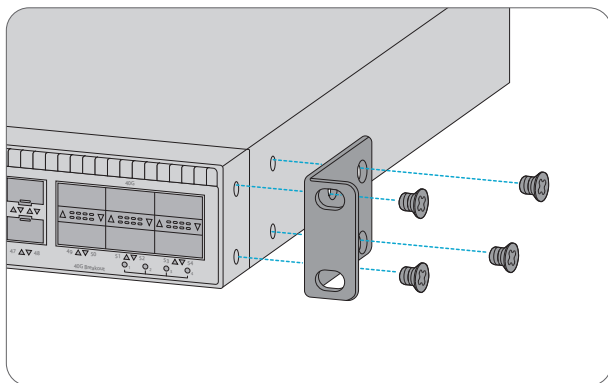
Installing (Based on model T5850-48S6Q)

Desk Mounting

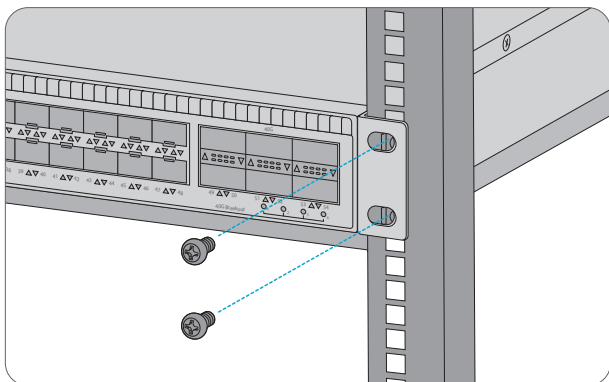


1. Attach four rubber pads to the bottom.
2. Place the chassis on a desk.

Rack Mounting

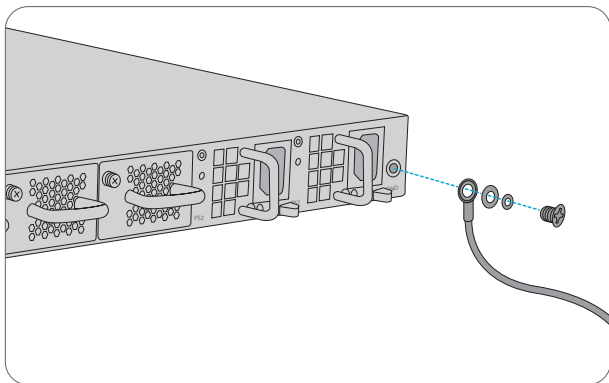


1. Secure the mounting brackets to the two sides of the TAP aggregation with eight M4 screws.



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

Grounding the TAP Aggregation

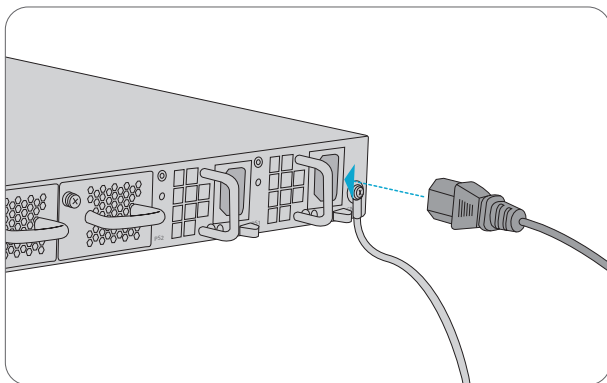


1. Connect one end of the grounding cable to a proper earth ground, such as the rack in which the TAP aggregation is mounted.
2. Secure the grounding lug to the grounding point on the TAP aggregation back panel with the washers and screws.



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

Connecting to the Power

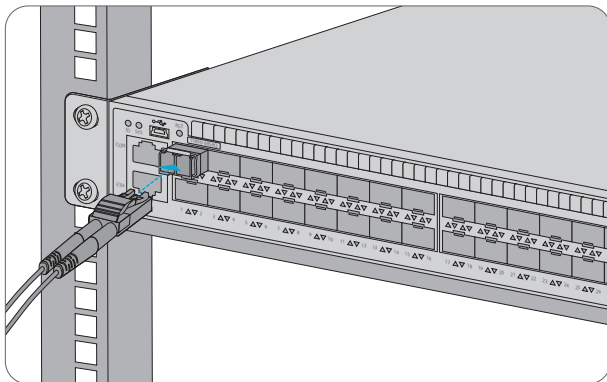


1. Plug the AC power cord into the power port on the back of the TAP aggregation.
2. Connect the other end of the power cord to an AC power source.



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

Connecting to the SFP+ Ports

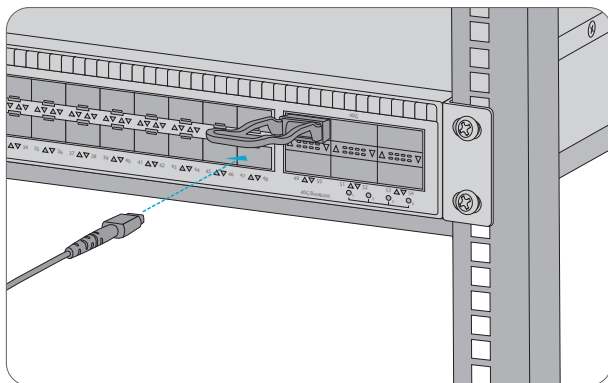


First install the SFP+ transceivers and then connect fiber optic cables to the transceivers, or directly connect DAC cables to the SFP+ ports.



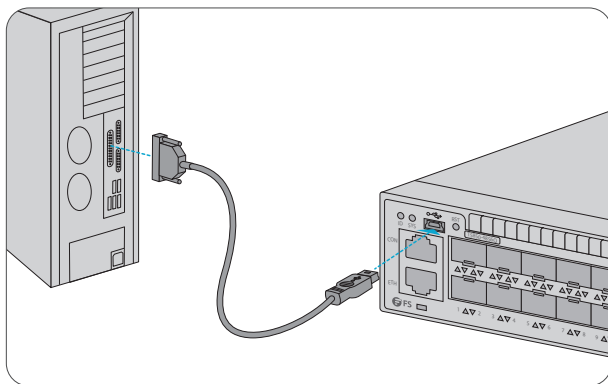
WARNING: Laser beams will cause eye damage. Do not look into bores of optical modules or optical fibers without eye protection.

Connecting to the QSFP+ Ports



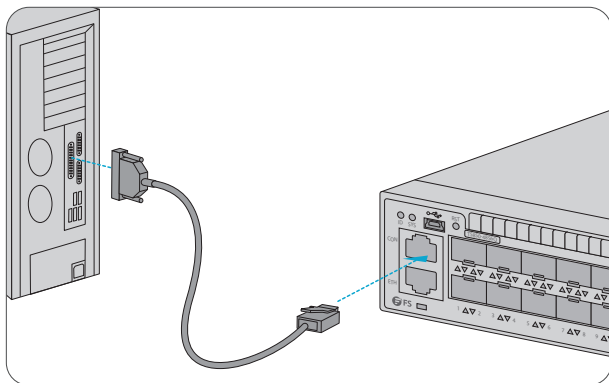
First install the QSFP+ transceivers and then connect fiber optic cables to the transceivers, or directly connect DAC cables to the QSFP+ ports.

Connecting to the USB Port



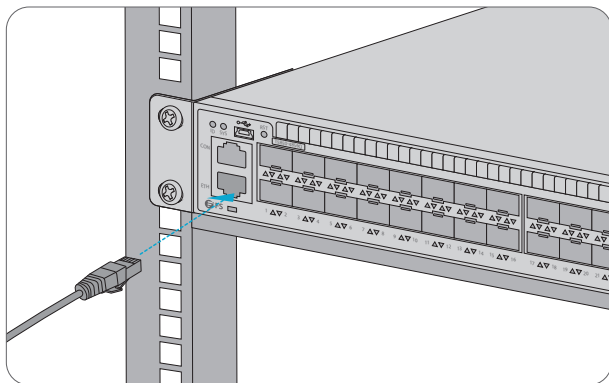
1. Connect the DB9 female connector of the mini USB to RS-232 cable to RS-232 serial port on the computer.
2. Insert the mini USB connector into the USB port on the front of the TAP aggregation.

Connecting to the Console Port



1. Connect the DB9 female connector of the console cable to RS-232 serial port on the computer.
2. Insert the RJ45 connector into the RJ45 console port on the front of the TAP aggregation.

Connecting to 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 TAP aggregation.

Configuring the TAP Aggregation

Configuring the TAP Aggregation Using the Web-based Interface

- Step 1: Connect your computer to any Ethernet port of the TAP aggregation using the network cable.
- Step 2: Set up the IP configuration on your computer. The IP address of your computer should be set in the same subnet addresses of the TAP aggregation. The IP address is 192.168.1.x ("x" is any number from 2 to 254).
- Step 3: Open a web browser window. Enter the default IP address of the TAP aggregation http://192.168.1.1 in the address bar and press enter.
- Step 4: When the login page appears choose the language that you prefer and enter the username and password.
- The default username is **admin**. The default password is **admin**.
- Step 5: Click Login to display the web-based configuration page.

Login

Username

Enter username

Password

Enter password

中文

English

Login

Configuring the TAP Aggregation Using the Console Port

- Step 1: Connect a computer to the TAP aggregation's console port using the supplied console cable.
- Step 2: Start the terminal simulation software such as HyperTerminal on the computer.
- Step 3: Configure the terminal simulation with the following parameters:

Model: T5850-48S6Q, T5850-48S2Q4C, T5850-32S2Q, T8050-20Q4C

115200 bits per second

8 data bits

1 stop bit

no flow control

Model: T5800-8TF12S

9600 bits per second

8 data bits

1 stop bit

no flow control

Step 4: Enter the username and password. The default username is **admin**. The default password is **admin**.

You are now ready to configure the TAP aggregation. Refer to the **TAP Aggregation CLI Reference Guide** online for further information.

Troubleshooting

Loading Failure Processing

1. Check the physical port connections.
2. Check the loading process information displayed on the super terminal.
3. Make sure physical connections are correct and there are no input errors in the loading process.

User Password Lost

If system password is lost or forgotten, the following method can be used to reset password:

1. Enter uBoot operation mode.
2. Input boot_flash_nopass command to start system in uBoot mode.



CAUTION: After using boot_flash_nopass command, system will clear up the startup-config files; before starting this operation, the startup-config files will be stored in flash:/startup-config.conf.old file.

Power LED Working Abnormally

1. Check the power cable connections at the TAP aggregation and the power source.
2. Make sure that all cables are used correctly and comply with the Ethernet specifications.

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.

Online 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: FS Network TAP Aggregation enjoys 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