

NETWORKS

MANAGED PoE+ GIGABIT SWITCH USER MANUAL



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Product Warranty Card

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Chapter 1 Introduction

Thank you for purchasing the FS.COM PoE+ Series Switches.

FS.COM full Gigabit Ethernet PoE+ switches is a new-generation intelligent access switch designed for enterprise networks, can be used as Ethernet power sourcing equipment (PSE). It can automatically identify the connected devices whether compatible with IEEE 802.3af or IEEE 802.3at standards, and then supply power for them. The Gigabit PoE+ switch makes it easier to deploy wireless access point (AP) and IP-based terminal network equipment with PoE technology.



Figure 1-1

Before you begin installing the switch, make sure you have all of the package contents available.

Package Contents

- FS.COM PoE+ Series Ethernet Switch.
- Power Cord.
- Console Cable.
- Rack Mount Bracket.
- M3 Screw.
- This User Manual.
- Product Warranty Card.



Caution: No user serviceable parts inside. Must be serviced by technically qualified personnel.

This user manual will familiarize you with the layout of the managed switch and describe how to deploy the device in your network. For additional information, see www.fs.com.

Chapter 2 Mounting the Switch

2.1 Environmental Requirements

There are two ways to mount the switch:

- Set the switch on a flat surface.
- Mount the switch in a standard rack (1 rack unit high).

Before you begin installing your switch, prepare the installation site. Make sure your operating environment meets the requirements of the equipment.

Ambient Temperature—Ambient temperature between 0°C and 40°C. No nearby heat sources such as direct sunlight, warm air exhausts, or heaters.

Air Flow—Both side panels must be unobstructed to prevent overheating, adequate airflow in room or wiring closet.

Mechanical Loading—The device must be level, stable, and secure to prevent it from sliding or shifting out-of-position.

Circuit Loading—Adding the device to the power outlet must not overload that circuit.

2.2 Grounding

The system must be grounded before use. Refer to the instructions below:

Refer to the instructions below:

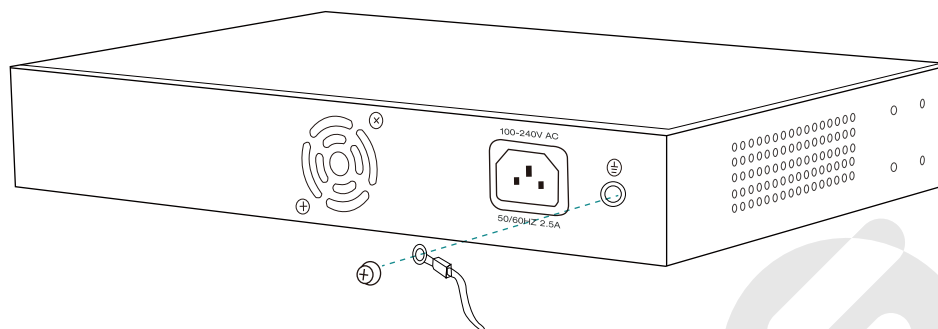


Figure 2-1

Step 1: Remove the grounding screw located on the back of the product, next to the power switch.

Step 2: Thread the grounding screw through a grounding wire and screw it back in place.

Step 3: Connect the other end of the grounding wire to the rack or any other grounding point.

2.3 Rack-Mount Installation

Step 1: Place a rack mount bracket next to the switch holes and install the four screws provided.

Step 2: Repeat Step 1 for the other side of the switch.



Figure 2-2

Step 3: After the mounting hardware has been securely attached, the switch is now ready to be installed into a standard 19-inch rack.



Figure 2-3



CAUTION: When installing a variety of equipment on the same cabinet, it is recommended to install the heavy equipment at the bottom or near the bottom of the cabinet to reduce the center of gravity of the cabinet and to reserve 1U height between the equipment to ensure the cooling space.

Chapter 3 Connecting Network Devices

Step 1: Connect the Ethernet cable to the Ethernet port of a computer, printer, network storage, or other network device.

Step 2: Connect the other end of the Ethernet cable to one of the numbered switch Ethernet ports. The LED of the port lights if the device connected is active. Refer to Features of the FS.COM PoE+ Switch, **Chapter 5** for details about the different ports and LEDs on each switch.

Step 3: Repeat Step 1 and Step 2 for each device you want to connect to the smart switch.



Note: All Ethernet cabling runs must use CAT5E (or above). It is the customer's responsibility to follow local country regulations.

Power over Ethernet Considerations



WARNING: The switch is to be connected only to PoE networks without routing to the outside plant.

If your switch is one of the Power over Ethernet (PoE) models, consider the following power requirement:

PoE+ Series Switches			
Model	Power Dedicated to PoE	Number of Ports Supporting PoE	PoE Standard Supported
S1150-8T2F	150 Watts	1-8	IEEE 802.3af/at
S1400-24T4F	400 Watts	1-24	IEEE 802.3af/at

Table 3-1

Chapter 4 Configuring the Managed PoE+ Gigabit Switches

Step 1: Power on the computer and the switch.

Step 2: Set the IP configuration on your computer. You must choose an IP address for the computer in the range of 192.168.1.2-192.168.1.254 for 8-Port and 24-Port switch that is not already in use.

Step 3: Open installed web browser on your PC, input the switch's IP address

`http://192.168.1.1`.

Step 4: When the login window appears, please enter the default **username “admin”**

with password “admin” (8-Port & 24-Port switch), Then click OK to login.

Troubleshoot Your Connection

If you cannot access your switch from the web-based interface, the switch may not be reachable from your computer. You can test network connections by using ping on a computer running

Windows:

Step 1: Open a command window by using **Start > Run** and enter **cmd**.

Step 2: At the **Command** window prompt enter ping and the switch IP address. For example
ping 192.168.1.1 (the default IP address of the switch).

If you can reach the switch, you should get a reply similar to the following:

Pinging 192.168.1.1 with 32 bytes of data:

Reply from 192.168.1.1: bytes=32 time<1ms TTL=128

If you cannot reach the switch, you should get a reply similar to the following:

Pinging 192.168.1.1 with 32 bytes of data:

Request timed out.

Chapter 5 Features of the Managed PoE+ Gigabit Switches

This section describes the exterior of the switches including ports, LEDs, and connections.

Not all models will have all of the features described.

5.1 Ports

	S1150-8T2F	S1400-24T4F
Gigabit RJ45 Ports	8	24
SFP Ports	2	4
SFP+ Ports	N/A	N/A
Combo Ports	N/A	N/A

Table 5-1

- RJ-45 Ethernet Ports—Use these ports to connect network devices, such as computers, printers, and access points, to the switch.
- SFP (if present)—The small form-factor pluggable (SFP) ports are connection points for modules, so the switch can link to other switches. These ports are also commonly referred to as miniGigaBit Interface.
- SFP ports are compatible with FS modules as well as other brands of modules.
- Some SFP interfaces are shared with one other RJ-45 port, called a combo port. When the SFP is active, the adjacent RJ-45 port is disabled.

5.2 LEDs

No.	Abbrev.	Name	Description
1	PWR	Power Indicator	When the switch is powered on, the indicator is on.
2	SYS	System Indicator	When the indicator is always on, the system is being started up.
			When the indicator flickers, the system works well.
3	LINK/ACT	Port Indicator	If the indicator is always on, it means that the connection is linked.
			If the indicator is off, the port is not connected.
4	PoE	PoE Indicator	If the indicator is always on, it indicates the state of power supply.
			If the indicator is off, it indicates the state of LINK/ACT.

Table 5-2

Additional Features

The switch might also have a reset button. The switch can be reset by inserting a pin or paper clip into the reset opening. See “Returning the Device to the Factory Default Settings” for details.

Chapter 6 Returning the Device to the Factory Default Settings

To use the Reset button to reboot or reset the smart switch, do the following:

- To **reboot** the switch, open CLI, configure “reload cold”.
- To **restore** the switch configuration to the factory default settings:
 1. Disconnect the switch from the network or disable all DHCP servers on your network.
 2. With the power on, press and hold the Reset button for about 3 seconds.

Product Warranty Card

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

What this warranty covers?

This warranty is only available for the original buyer and is not transferable to a third-party.

- Within the first 30 Days of purchase, if for any reason you are not satisfied with your purchase (except custom made items or tailored solutions), simply return it for a refund or replacement.
- Within the first 4 Years of purchase, free repair or maintenance due to manufacturer's defects (including shipping, handling and parts costs).
- Within 20 Years of purchase except for the first 1 year, repairs and maintenance will be charged.

What is NOT covered?

This warranty is non-transferable and does not cover if the product:

- Has been modified and/or altered, or an addition made thereto, except by FS.COM authorized representatives, or as approved by FS.COM in writing.
- Has been painted or physically modified in any way.
- Has been subjected to misuse, abuse, negligence, abnormal or physical stress, including accident.
- Has been damaged or impaired as a result of using third party firmware.
- Has no original FS.COM label, or miss any other original labels.

FS.COM sole and exclusive obligation and liability under the foregoing warranty shall be for FS.COM, at its discretion, to repair or replace any product that fails to conform to the above warranty during the warranty period. The expense of removal and reinstallation of any product is not included in this warranty. The warranty period of any repaired or replaced products shall not extend beyond its original warranty expiry.

Return Conditions

If you return for refund or replacement within **30 Days**, please make sure that the product must be in new or like-new condition with its original trademark and **SN number (the SN number is the unique identification number of every product)**, manual and accessories that were included when delivered to you. Return for replacement or repair is due to an error on our part (you received an incorrect or defective item, etc.), we will cover the shipping and repair cost and customs duty (for international purchase). Otherwise, you are responsible for these charges of returning or repairing items on your own.

FS.COM offers two channels to process your return request, if you purchase from FS.COM website, you may visit the website and log in to your FS “account “center to start a quick return. If you purchased by emails, you may contact your sales representative or visit our website fs.com to talk with customer service team and obtain an approved Return Materials Authorization (RMA) Number. Products returned without a RMA Number will not be processed and will be returned freight collect or subject to disposal. Information on how to start return can be found at https://www.fs.com/day_return_policy.html

Addresses, phone number and fax number also have been listed at www.fs.com. Please e-mail us at sales@fs.com or call us for assistance. All statements, technical information, and recommendations related to the products here are based upon information believed to be reliable or accurate. However, the accuracy or completeness thereof is not guaranteed, and no responsibility is assumed for any inaccuracies. Please contact FS for more information.



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