Managed PoE+ Gigabit Switches
User Manual

FS

Warranty & Safety Information

FS.COM provides a limited warranty for twelve (12) months from purchaser's receipt of the equipment represented in this data sheet against defective design or workmanship.

FiberStore provides high quality products, and try to meet customers' requirements, however, in few cases, you are not satisfied with our goods, don' t worry about that, you can enjoy a 60 Days Return & Exchange Policy in FiberStore, even you don' t need to worry about the shipping fee when you decide to exchange or return your items. What' s more, if you have some questions about usage of your purchase, you can write an email to our service@fs.com. Tell us your problems, then we will do our best to help you.

⚠ Caution: Multiple power sources may be provided. To de-energize, all power connections need to be removed, including RPS cable if provided.

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

Contents

Chapter 1 Product Overview

1.1 Product Description

Fiberstore's full Gigabit Ethernet PoE switches can provide seamless connection for 10/100/1000M Ethernet network and equipped with PoE function, can be used as Ethernet power supply device (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.

1.2 Paraphrase of PoE Technology

PoE Technology is Power over Ethernet technology, It is refering to transfer both Ethernet data and and DC Power at the same time for IP Phone, Wilress AP, IP-based camera. These devices which receive DC power are called powered devices (PDs).

Figure 1-1

Figure 1-2

Chapter 2 Product Characteristics
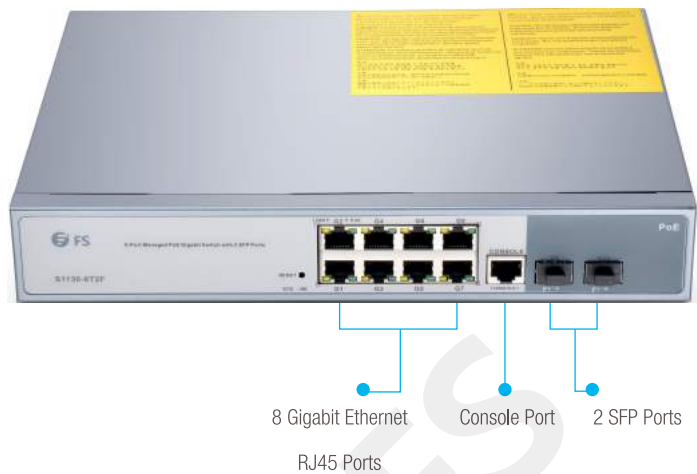
2.1 Product Characteristics

- Supports both IEEE 802.3af and 802.3at, and every port PoE configuration function.

- L2+ features provide better manageability, security, QoS, and performance.

- Jumbo frames support up to 9.6K kilobytes.

- G.8032, support <50ms industrial quick ring protection.

- Support spanning tree STP (802.1D) and RSTP (802.1W).

- Support enhanced management through WEB, CLI, TELNET, SSH, SNMP.

Chapter 3 Panel & Indicator Description

3.1 Hardware Overview
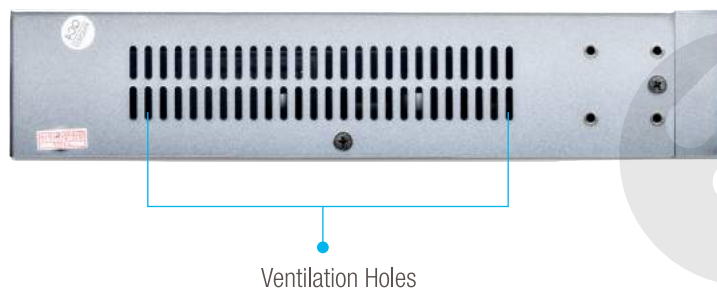
S1250-8T2F & S1130-8T2F Managed Switches

Front Panel

8 Gigabit Ethernet RJ45 Ports   Console Port   2 SFP Ports

Back Panel

Power Supply

Side Panels

Ventilation Holes

Chapter 3 Panel & Indicator Description

RJ45 LEDS, System LEDS, SFP LEDS Status & State

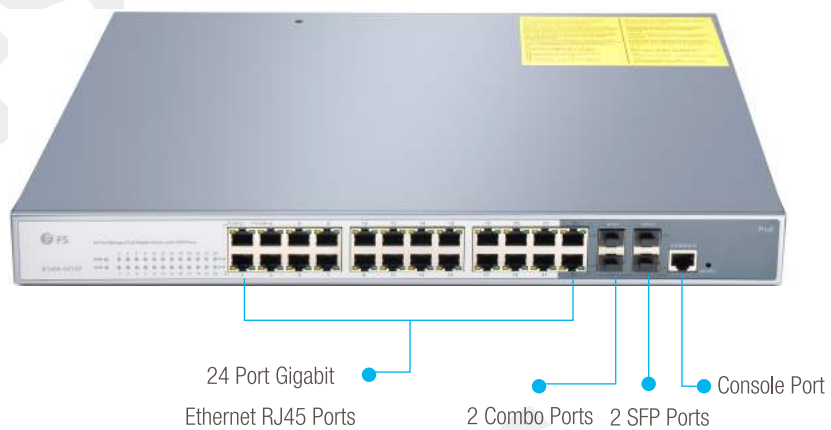| Indicator	Status	Description
System Indicator: SYS	Green LED ON	System work as normal
	Green LED Blink	System work as normal S1130-8T2F & S1250-8T2F
	Green LED OFF	System abnormal or power off
PoE Indicator: PoE	Green LED ON	Connected PD device, powering properly
	Green LED Blink	Short circuit or current overload
	Green LED OFF	No connected PD or power off
Link Indicator: Link	Green LED ON	Data transmission properly
	Green LED Blink	Connection is OK and data is being sent and received
	Green LED OFF	No connected device
SFP Uplink Indicator	Green LED ON	Data transmission properly
	Green LED Blink	Connection is OK and data is being sent and received
	Green LED OFF	No data connected

Table 3-1

Note: Please confirm that the all PoE ports of PD devices are complying with IEEE802.3af/at standard.

Power: 48 VDC (46~57VDC), (More than 50VDC recommended when used PoE+ output)

PoE Port: The PoE ports support PoE function, which can transmit data and power simultaneously if connected matching device.
The LED lights on the front panel can show working status of each port.

S1400-24T4F & S1600-24T4F Managed Switches

Front Panel

24 Port Gigabit
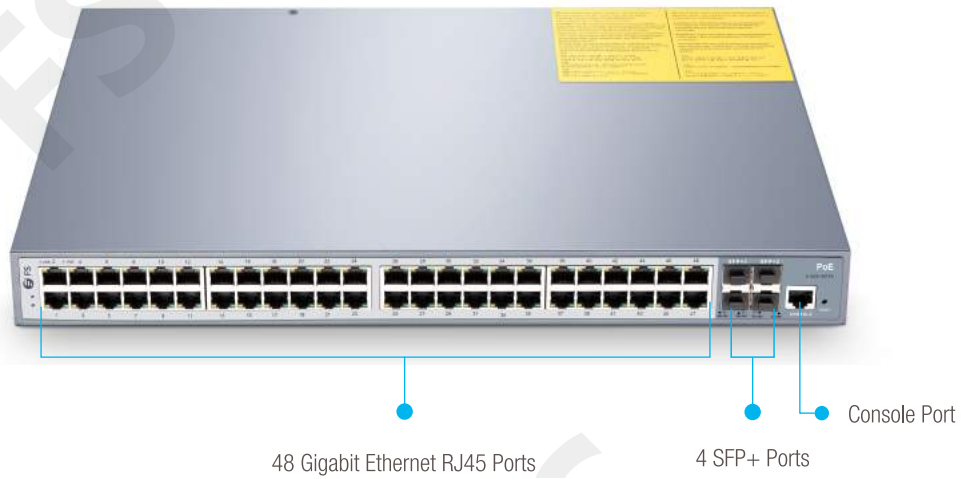Ethernet RJ45 Ports

2 Combo Ports   2 SFP Ports

Console Port

Back Panel

Power Supply

Power Switch

Side Panels

Fans

Chapter 3 Panel & Indicator Description

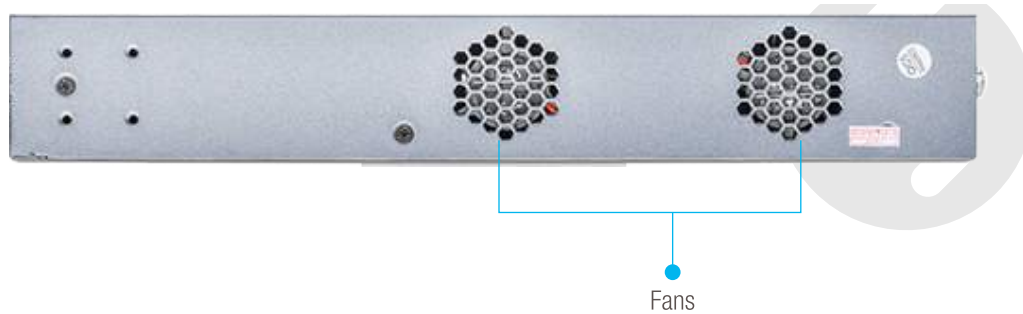| Indicator	Status	Description
Power Indicator: PWR	Yellow LED ON	Normal
	Yellow LED OFF	Power OFF
System Indicator: RUN	Yellow LED ON	System working properly
	Yellow LED OFF	System working NOT properly
PoE Indicator: PoE	Green LED ON	Connected PD device, working properly
	Green LED Blink	Short circuit or current overload
	Green LED OFF	No connected PD or power OFF
Link/ACT Indicator	Green LED ON	1000M corresponding port has data transmission
	Green LED Blink	1000M port connected & data send/receive properly
	Green LED OFF	No connection
	Yellow LED ON	10/100M corresponding port has data transmission
	Yellow LED Blink	10/100M port connected & data send/receive properly
	Yellow LED OFF	No connection
SFP Indicator	Green LED ON	Corresponding port has data transmission
	Green LED Blink	Connect correctly & data send/receive properly
	Green LED OFF	No connection

Table 3-2

S1600-48T4S Managed Switch

Front Panel

48 Gigabit Ethernet RJ45 Ports

4 SFP+ Ports

Console Port

Back Panel

Power Supply

Power Switch

Side Panels

Fans

Chapter 3 Panel & Indicator Description

Indicator	Status	Description
Power Indicator: PWR	Yellow LED ON	Normal
	Yellow LED OFF	Power OFF
System Indicator: RUN	Yellow LED ON	System working properly
	Yellow LED OFF	System working NOT properly
PoE Indicator: PoE	Green LED ON	Connected PD device, working properly
	Green LED Blink	Short circuit or current overload
	Green LED OFF	No connected PD or power OFF
Link/ACT Indicator	Yellow LED ON	10/100/1000M corresponding port has data transmission
		10/100/1000M corresponding port has data transmission
	Yellow LED Blink	10/100 /1000M port connected & data send/receive properly
	Yellow LED OFF	No connection
SFP Indicator	Green LED ON	Corresponding port has data transmission
	Green LED Blink	Connect correctly & data send/receive properly
	Green LED OFF	No connection

Table 3-3

Note : Please confirm that the all PoE ports of PD devices are complying with IEEE802.3af/at standard.

Power Port: Built-in power switch series do not need external power adapter, plug power cable to AC100 ~240V, 50/60Hz.

PoE Port: With function of Power over Ethernet, which can transmit data and power simultaneously if connected matching device. The LED lights on the front panel can show working status of each port.

Ethernet Port: Besides PoE ports, other ports are normal self-sensing Ethernet RJ45 ports which support Auto MDI/MDIX, plug and play. The LED lights on the front panel can show working status of each port.

Chapter 4 Application Connection Diagram

4.1 A Typical Application Case for PoE Swithes

Supply power for monitoring equipments through PoE/PoE+ switches (power sourcing equipments included), and monitor the data image back to NVR and display it. (equivalent to a monitoring center)
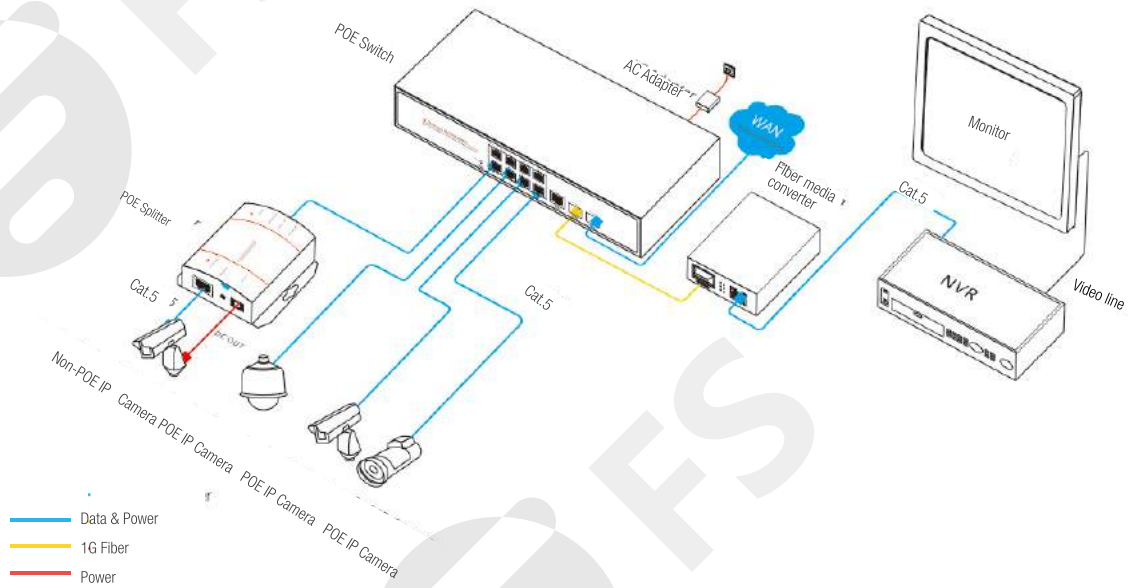

Figure 4-1

Chapter 5 Hardware Installation

5.1 Installation Precautions

Please install to the supported devices.

Please confirm the following things before installation:

1. If the PoE port meets the power requirement of the connecting devices.

2. If the PoE standard requirement and power supply matches with the power receiving device (1/2+,3/6-(End -span)/4/5+,

7/8-(Mid-span)).

3. If the output power of the matched power adapter is compatible with the specification in the label of the PoE E switch.

5.2 Installation Procedure

Please install the PoE switch according to the following steps:

1. Put the PoE switch on the surface of a large and stable table, or professional industrial installation rack mount.

2. Connect the power outlet through the power cable.

3. Connect the network devices to the PoE switch port through network cable.

Note :

1. Please do not put heavy products on the PoE switch, and please ensure good ventilation environment for the PoE switch.

2. Please cut off the power first before plugging the power adapter.

Power

Connect the power cable, plug it into power socket, turn on the power, then the switch will automatically initialize, and LED

lights status will display as following:

1. Except the PoE port lights, all the other lights will go through the process of "on-off-on-off", which means the system

restoration is successful.

2. Power LED remains lit.

Note : If initialization is inconsistent with the above, please check the power.

Connect to Power

The Gigabit PoE switch uses AC 100~240V, 50/60Hz power supply.

1. Please check if the power supply specification matches with the required;

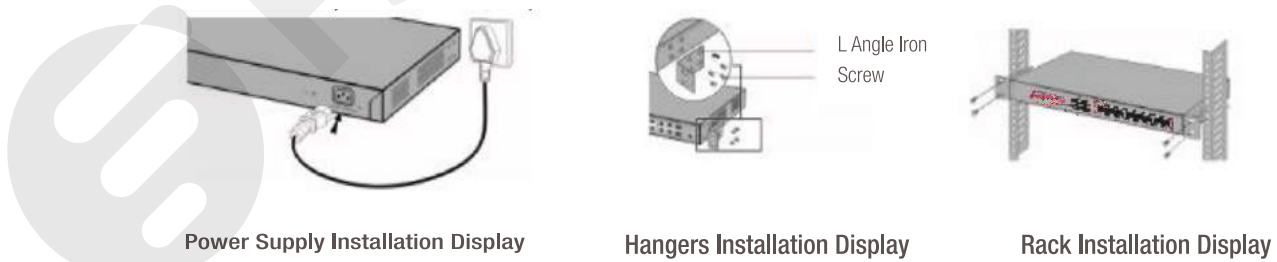2. Connect the power cable to AC power socket, shown as in the following pictures.

Power Supply Installation Display

L Angle Iron
Screw

Hangers Installation Display

Rack Installation Display

Figure 5-1

After installation, please check:

If there is enough space for heat sink; if the power socket is suitable for switch specification; if the power, switch and rack

are properly grounded and if the connection between switch and other net-work equipments are normal.
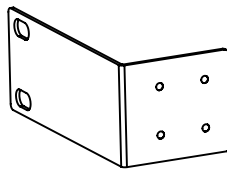
Chapter 6 Package Contents & Terms of Use

6.1 Package Contents

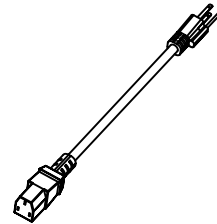Please kindly check the following items:

- M3 Screw
- Rack Mount Bracket
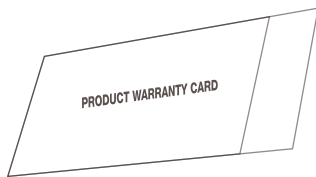- Power Cord
- Product Warranty Card
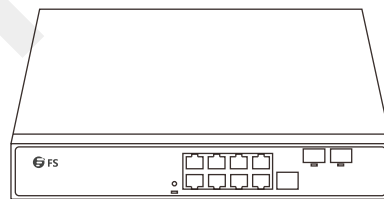- PoE Switch

M3 Screw

(Qty.8)

Rack Mount Bracket

(Qty.2)

Power Cord

(Qty.1)

PRODUCT WARRANTY CARD

Product Warranty Card

(Qty.1)

PoE+ Switch

(Qty.1)

Note: If any shortage or damage found, please contact us in time.

6.2 Terms of Use

All Ethernet cabling runs must use CAT5 (or above). It is the customer's responsibility to follow local country regulations, including operation within legal frequency channels, output power, indoor cabling requirements, and Dynamic Frequency Selection (DFS) requirements.

Chapter 7 Statement

Copyright @ 2009-2017 Our company All Rights Reserved

This document contains proprietary information that is protected by copyright. No part of this document may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language, in any form or by any means, electronic, mechanical, magnetic, optical, chemical, manual or otherwise without the prior written permission of Our company.

The information and product specifications within this document are subject to change at any time, without notice and without obligation to notify any person of such change.

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 formore information.

FS

Eastern America

FS.COM INC 380 Centerpoint Blvd

New Castle, DE 19720

United States

Europe (Germany)

FS.COM GmbH

NOVA Gewerbepark Building 7,

Am Gfild 7, 85375 Neufahrn bei Munich, Germany

Tel:+49 (0) 89 414176412

Europe (United Kingdom)

Fiberstore LTD 2nd Floor, Quayside Tower,

Broad Street, Birmingham, B1 2HF

Tel:+44 (0) 121 698 2099

Asia (China)

Fiberstore Co., Limited Room

2702, 27 Floor Yisibo Software Building

Haitian Second Road, Yuehai Street

Nanshan District Shenzhen, 518054, China

Tel:+86 (755) 8300 3611

Australia

FS.COM PTY LTD

57-59 Edison Rd, Dandenong South,

VIC3175, Austrilia

ABN 71 620 545 502

Tel:+61 (2)8317 1119

Data Center, Enterprise & ISP Network Solutions