



# Fiber PoE Switch

## ➤ User Manual

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S500P-2F-1FX



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## 1 Overview

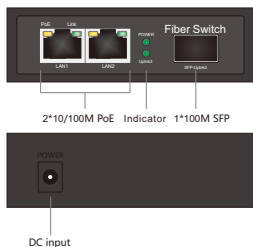
The S500P-2F-1FX Unmanaged Fiber PoE Switch adopts the standard international scheme, which can automatically detect and supply power to the receiving equipment conforming to the IEEE802.3af/at PoE++/HiPoE standard. The standard international scheme is adopted, and the fiber optic cable is used as the transmission medium, with fast speed, long distance and strong anti-interference ability. Its built-in integrated optical port transmission distance is up to 20KM. The use of this equipment can facilitate the layout of enterprise engineering long-distance projects, realize centralized network management, and reduce the failure rate of equipment and network.

### Features

- ◆ Fiber module transmission distance: MAX 3KM/20KM(optional)
- ◆ Fiber module :optional single mode single fiber/double fiber(FC customizable)
- ◆ PoE Standard: IEEE 802.3af/at HiPoE PoE++ ,support all ports standard detection.
- ◆ Support power supply for PoE equipments such as AP and network monitoring camera connected by Cat5/6 ethernet cables.
- ◆ Flow control method: full duplex adapts IEEE802.3, half duplex adapts Back pressure.
- ◆ Port supports Auto MDI/MDIX.
- ◆ Single port PoE power: 30W(optional first port power: 60W)
- ◆ Exchanging Mechanism: store and forward.
- ◆ Zero-configuration: automatically supply for adaptive equipments.
- ◆ Panel indicator monitors operating status and helps fault analysis.

## 2 Product Display

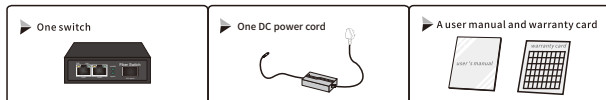
S500P-2F-1FX, 2\*10/100M PoE + 1\*100M SFP



### Indicator definition

Front indicator	state	Description
Power indicator: POWER	on	Power on
	off	Power off
PoE indicator: PoE	on	PoE on
	off	PoE off
Network indicator: Link	on	The corresponding port works at 10/100M
	blink	Link on
	off	Link off
SFP indicator: Uplink3	on	SFP on
	off	SFP off

### Product matching list



⚠ PS: SFP models do not include optical modules by default. If you find any shortage or damage of accessories, please contact us in time

## Installation Guide

For the safe installation operation of switch, suggestion:

- Check up that the power wire is securely wrapped into the AC power connecto
- or not.
- Ensure the adequate heat dissipation and ventilation around the switch.

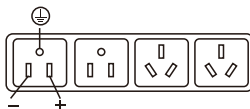
### DESK

An installation of switch on the desktop, The rubber foot pads must be installed on the bottom of four corners of switch to ensure enough space between equipment and surrounding objects for



### Power supply socket specification

Switch power line single-phase three wire power socket, the middle foot to ground, The left foot on the right foot for the zero line and FireWire, please check before the operation.



1.2.1

### Connect the power cord

1. Check up that the power supply is consistent with the marked requirements by the switch or not;
2. The external type requires a power adapter, which can be directly connected to the 52V 1.25A mains supply; As shown in Figure 1.2.2.

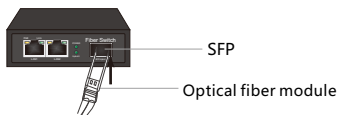


1.2.2

### Connecting SFP ports

The process of installing the switch fiber module are as follows:

Seize the fiber module from the side, along the smooth switch SFP port slotInsert until the fiber module and the switch contact, as 1.3.1.



1.3.1

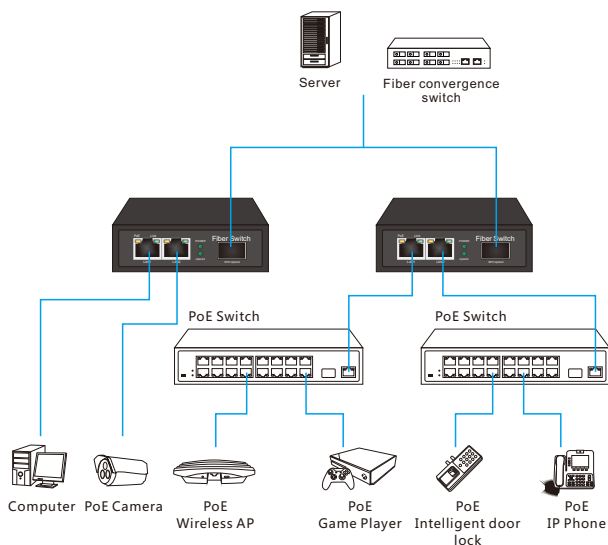
### Inspection after installation

Please check the following items after installation:

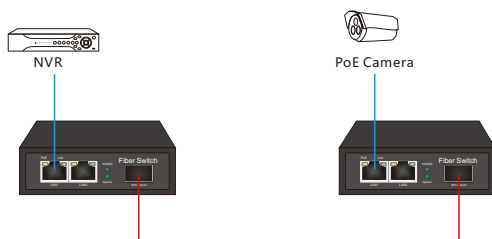
1. check whether there is enough space for heat exchange, air circulation is smooth;
2. check the power supply socket power supply switch is in accordance with the specifications;
3. check the power supply, switchboard, rack and other equipment have been properly grounded;

## 4 Application

Multiplexing application



Fiber to fiber application





## 5 Parameter

Model	S500P-2F-1FX
Product name	Fast Ethernet 2+1 Fiber PoE Switch
Fixed Port	2*10/100Base-TX PoE port (data/power) 1*100M Integrated SFP ( optional 1310/1550 )
PoE Ports	2 port supports PoE(optional first port outputs HiPoE_60W)
PoE Pin	Default 1/2(+), 3/6(-); Optional order 4/5(+), 7/8(-)
Network Protocol	IEEE802.3 IEEE802.3i 10BASE-T IEEE802.3u 100BASE-TX IEEE802.3x IEEE 802.3z 100BASE-X
Port Specification	10/100BaseT ( X ) Auto
Transmission Mode	Store and Forward(full wirespeed)
Bandwidth	1Gbps
Packet Forwarding	0.72Mpps
MAC	1K
Buffer	768K
Transmission Distance	10BASE-T : Cat3,4,5 UTP(≤250 meter) 100BASE-TX : Cat5 or later UTP(150 meter) Single mode single fiber(MAX 20KM) Single mode double fiber(MAX 20KM) Multiple mode double fiber(MAX 850meter/2KM) Optional 3~80KM SFP
Single port power	Average 15.4W;MAX 30W
Total power/ Input voltage	MAX 30W ( 52V 1.25A )
Watt	Standby Power Consumption : ≤2W ;
LED Indicator	PWR: Power LED Port:(Orange=PoE LED+Green=Link LED) Uplink3:(SFP LED )
Power Input	External power DC : 52V 1.25A
Operating Temperature /Humidity	-10 ~ +55°C ; 5% ~ 90% RH Non coagulation
Storage Temperature /Humidity	-40 ~ +75°C ; 5% ~ 95% RH Non coagulation
Product /Packing size ( L*W*H )	90mm*85mm*27mm 205mm*135mm*95mm
N.W/G.W ( kg )	0.1kg/0.7kg
Installation	Desktop
Lightning Protection level	3KV 8/20us ; IP30
Certificate	3C ; CE-EMC EN55032 ; CE-LVD EN62368 ; FCC Part 15 Class B ; RoHS ;
Warranty	Whole device for 1 year(Accessories not included)

## **Matters needing attention**

To avoid equipment damage and personal injury caused by improper use, please follow the following precautions:

- During installation, keep the power off, wear anti-static wrist, and ensure that the anti-static wrist is in good contact with the skin to avoid potential damage. Potential safety hazards in;
- The switch can work normally only under the correct power supply. Please confirm that the power supply voltage is consistent with the voltage marked by the switch;
- Before the switch is powered on, please make sure that the power circuit will not be overloaded, so as not to affect the normal operation of the switch or even cause unnecessary damage;
- In order to avoid the risk of electric shock, do not open the shell when the switch is working, and do not open it by yourself even when it is not charged;
- Before cleaning the switch, pull out the power plug of the switch. Do not wipe it with wet fabric or clean it with liquid;
- The equipment installed in the rack is generally from bottom to top to avoid overload installation;
- Avoid placing other heavy objects on the surface of the switch to avoid accidents.

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