

# ➤ **Manual for S500-1F-1FX**

**100M Optical Fiber Transerver**

# 01 Product introduction

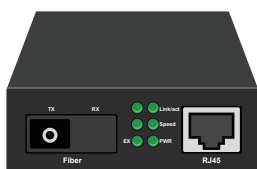
## Product overview

**hasivo** independently developed S500-1F-1FX 100M optical fiber transceiver. Comply with international standard and optical fiber cable is used as transmission medium. with high speed. long distance. strong anti-interference ability. Built in integrated optical port, the transmission distance can reach 20km. The equipment can facilitate the long-distance layout of enterprise projects, realize centralized network management, and reduce equipment and network failures.

## Port performance

- ◆ Provide 1\*10/100M RJ45 port which can realize line speed forwarding.
- ◆ Provide 1\*100M integrated SC optical fiber interface (Optional Single fiber/Double fiber or Customized FC).
- ◆ Using WDM technology, The transmitting wavelength is 1310nm, The receiving wavelength is 1550nm, the max distance can be 20km.
- ◆ Each port supports MDI/MDIX automatic flip and duplex / rate self negotiation.
- ◆ Support IEEE 802.3x full duplex flow control and backpressure half duplex flow control.

# 02 Spare parts list



Fiber Transerver



DC adapter

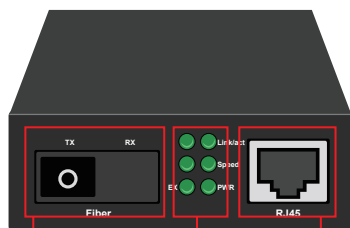


User manual+Warranty Card

**Tips:** Integrated optical port with module, It can be paired with 1310A and 1550B to use.

# 03 Product display

Front



Integrated optical port    Indicator    Downlink Port

Back



DC Power

## Indicator definition:

Indicator	Status	Description
Power indicator: PWR	on	Power on
	off	Power off
SFP indicator: EX	on	Corresponding optical port signal connection
	off	The corresponding optical port signal is not connected
Network indicator: Link/act	on	Link on
	off	Link off
Speed indicator: Speed	on	There is power receiving equipment connected with it and normal power supply
	off	No receiving equipment is connected with it or there is no power supply

## 04 Installation&Points of attention

### Checking before installation

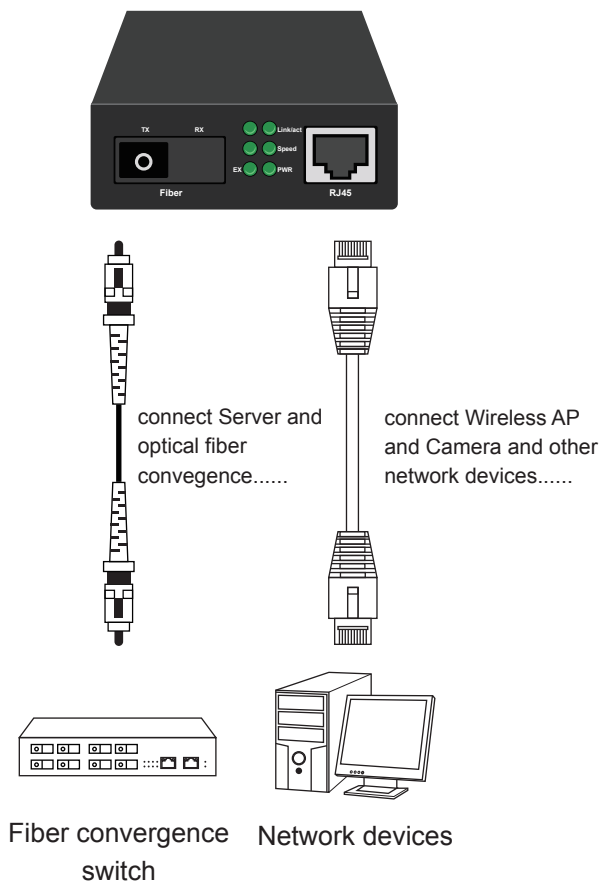
- 1.Check whether the accessories are complete. If there is any omission, please contact us.
- 2.Check whether the power supply voltage is consistent with the working voltage of the switch,so as to avoid the equipment burning out due to high voltage.
- 3.Ensure that the installation position of the switch has certain ventilation and heat dissipation conditions.
- 4.Please keep the power off during installation to avoid potential safety hazards.
- 5.Please install the switch on a stable plane to avoid falling and damage.

### Install to desktop

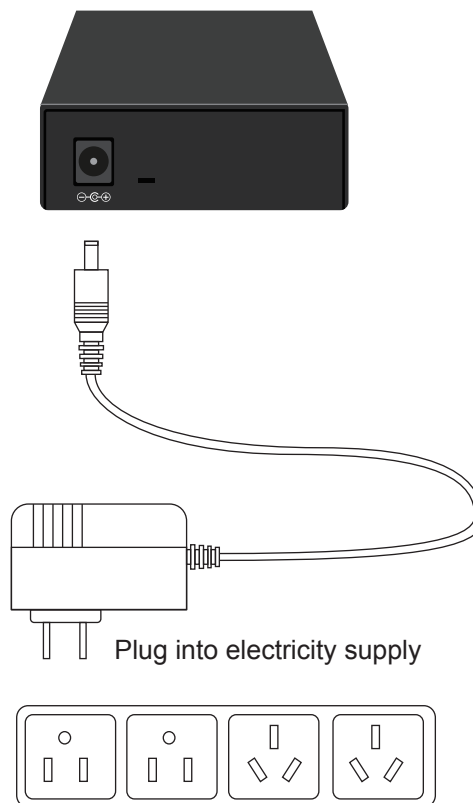
1. Place the switch on the horizontal desktop in the ventilation area.



- 2.Insert cable and fiber optical connector



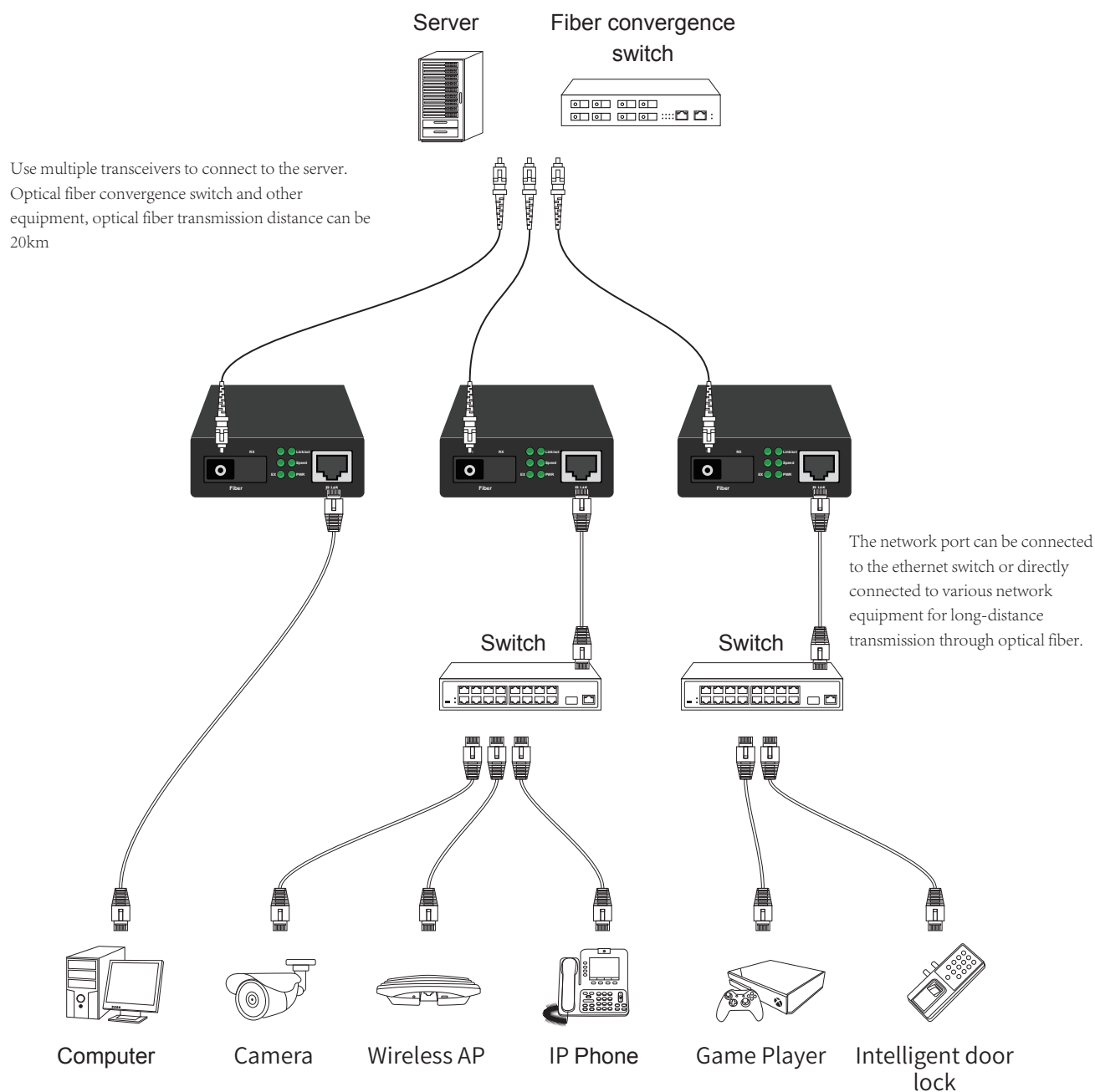
- 3.Connected the power



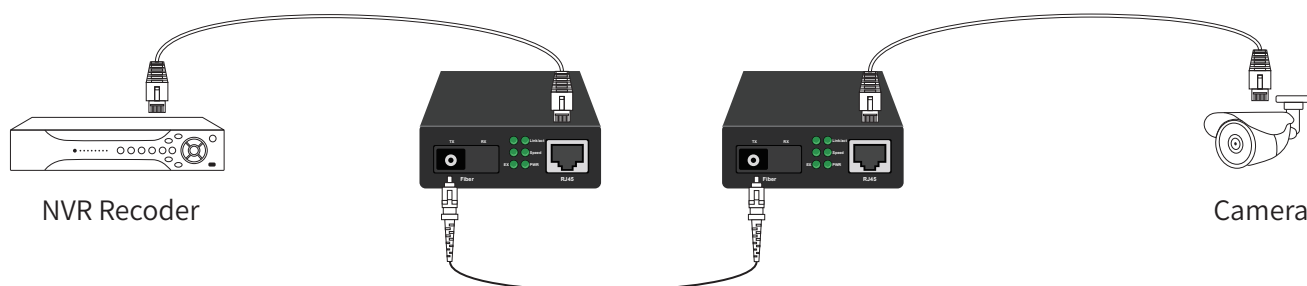
### Points of attention

- 1.Do not stack heavy objects on the switch to avoid danger.
- 2.In order to avoid the risk of electric shock, please do not open the machine box when the switch is working, even if it is not powered on, please contact us in case of any problem.
- 3.Before cleaning the switch, pull out the power plug of the switch. Do not wipe it with wet fabric or clean it with liquid.
- 4.If the power adapter is damaged, do not replace it with other power adapters. This switch should be equipped with original power adapter.

## 1. Multiplexing application



## 2. Fiber to fiber application



Two optical fiber transceivers are used for single channel optical fiber transmission to realize fast and direct transmission of network equipment data.

## 06 Common troubleshooting

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- ⚠ *The PWR indicator is not on after the power is connected → Check whether the power adapter and plug are connected correctly, whether the power cord is damaged, and whether the power adapter is damaged.*
- ⚠ *Switch cannot communicate after power up → Check whether the switch indicator is on. If the indicator is off, the network cable is not connected. If the indicator is on, the communication fault is indicated.*
- ⚠ *Switch network speed suddenly become very slow → Take off the plug and restart the switch.*

*[If the above problems or other switch problems can not be solved, please contact us for technical support]*

## 07 Product parameter

Model	S500-1F-1FX
Product	Fast Ethernet 1+1 Fiber Switch
Fixed Port	1*10/100Base-TX RJ45 port (Data) 1*100M Integrated SFP (optional 1310/1550)
Network Protocol	IEEE802.3 IEEE802.3i 10BASE-T IEEE802.3u100BASE-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 Address	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 850M/2KM) Optional 3-80KM SFP
Watt	≤2W
LED Indicator	PWR: Power LED EX:(Fiber optic signal LED) Link/act:(Network signal LED) Speed:(Extension indicator)
Power	External Power DC: 12V 0.5A
Operating Temperature/Humidity	-10~+55°C; 5%~90% RH Non coagulation
Storage Temperature/Humidity	-40~+75°C; 5%~95% RH Non coagulation
Product size/Packing size (L*W*H)	70mm*95mm*25mm 105mm*105mm*65mm
N.W/G.W (kg)	0.2kg/0.3kg
Installation	Desktop
Lightning protection level	3KV 8/20us; IP30
Certificate	CE mark, commercial; CE/LVD EN60950; FCC Part 15 Class B; RoHS;
Warranty	Whole device for 1 year(Accessories not included)

PS: We will try our best to check the errors in the printing and pictures, but hasivo will not be responsible for any possible omissions. The appearance, specifications, parameters, prices and supply conditions of the products listed on this page are subject to change without notice.



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