

➤ Manual for F1200-4FX-2G1C

100M Optical Fiber Switch

01 Product introduction

Product overview

hasivo independently developed F1200-4FX-2G1C optical fiber convergence switch, which has rich business characteristics, is mainly located in the core or sink layer of user networks such as industrial parks, buildings, factories and mines, government agencies and residential areas to realize long-distance optical fiber signal transmission.

Port performance

- ◆ Provide 4*100M integrated SC optical fiber interface which can realize line speed forwarding.
- ◆ Provide 1*10/100/1000M RJ45 and 1*1000M COMBO uplink ports for high-speed uplink transmission.
- ◆ 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



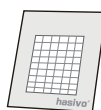
Switch



DC adapter



User manual+Warranty Card

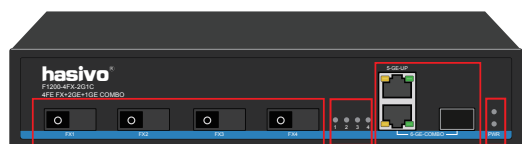


Optional Wall or Rack hanger

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

03 Product display

Front



Integrated optical port

Uplink port

Indicator

Indicator

Back



DC Power

Function switch

Indicator definition:

Indicator		Status	Description
Power indicator: PWR		Green light is always on	Power on normal
		Always off	No power
Network indicator	Green	Light is flashing	The corresponding port works at 10/100M speed
	Orange	Light is flashing	The corresponding port works at 1000M speed
Integrated SFP LED:1-4		Light is on	The corresponding port has data transmission
Port isolation indicator:VLAN		Light is on	The downlink ports are isolated from each other

Function:

Function identifier	Work mode	Description
VLAN	Port isolation mode	The downlink ports are isolated from each other, which is suitable for the use scenarios of connecting wireless AP, suppressing network storm and improving network performance

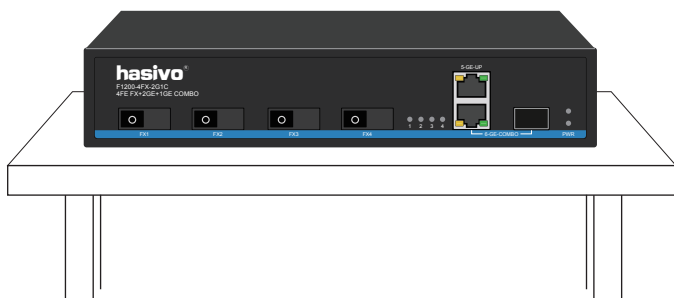
04 Installation & Points of attention

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.

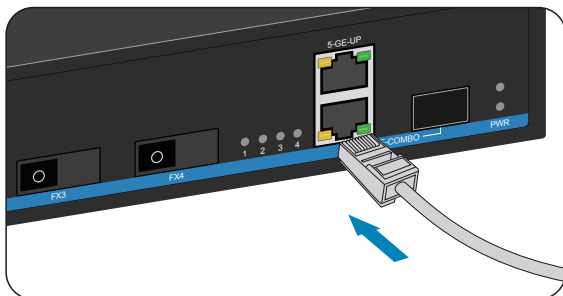
Install to desktop

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



2. Insert the data cable and fiber optical connector

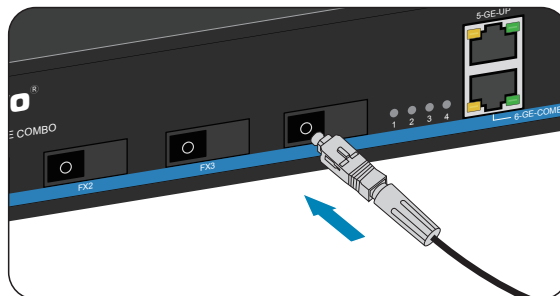
Insert the data cable



As shown in the figure, insert the crystal head of the data cable into the network port. When you hear a clear click, it indicates that the crystal head is successfully connected with the network port of the switch. Just plug in all the network cables of the network equipment in this way.

(5-6 network port are uplink ports which needs to be connected to router, server and other devices.)

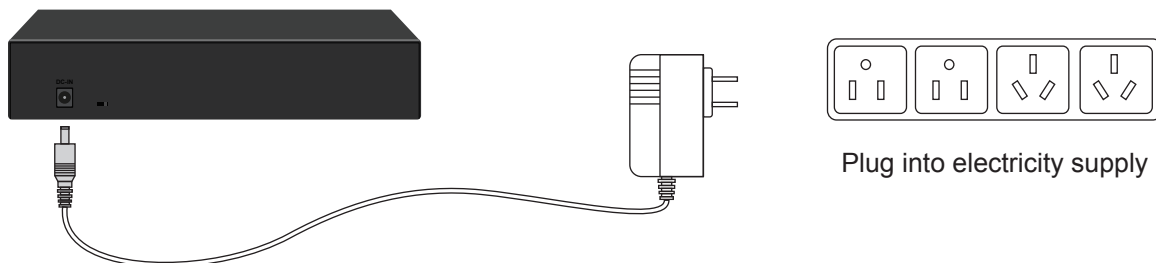
Install the fiber optical connector



Insert the fiber connector into the fiber hole as shown in the figure, make sure that the optical fiber plug slot is tightly connected with the optical port, then finished the installation.

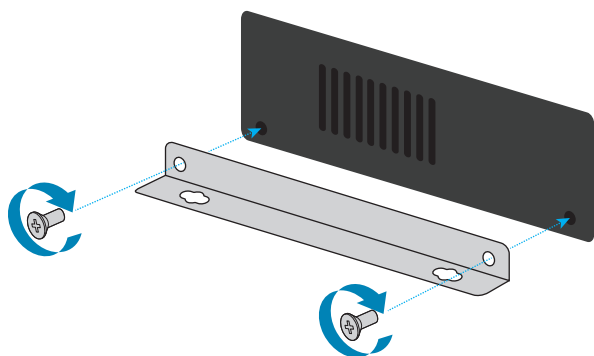
((Note: Integrated optical port with module, It can be paired with 1310A and 1550B to use.))

3. Connected the power

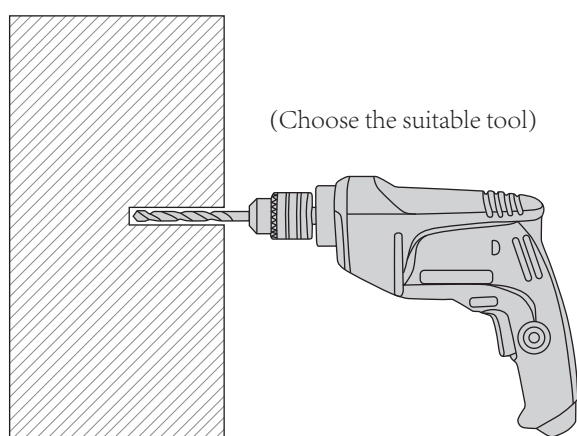


Fix the switch on the wall

1. Install the wall hanger with the screw on the sides of the switch

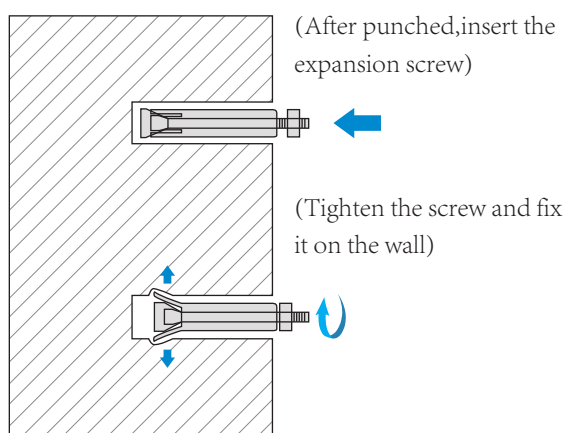
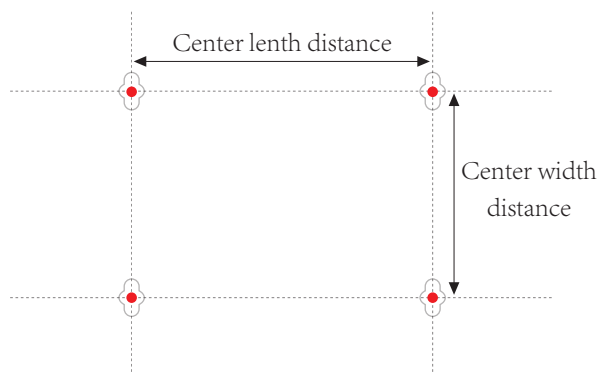


3. Punch and install expansion screw

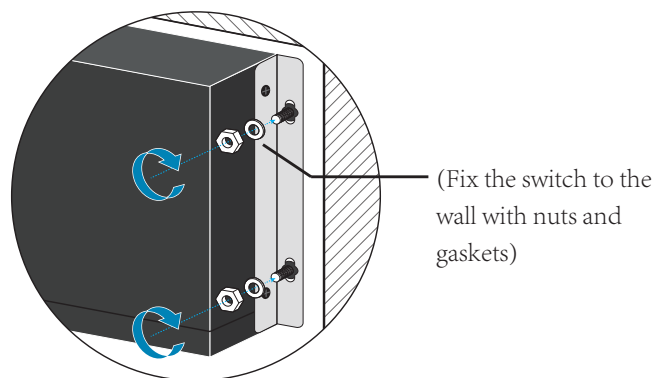
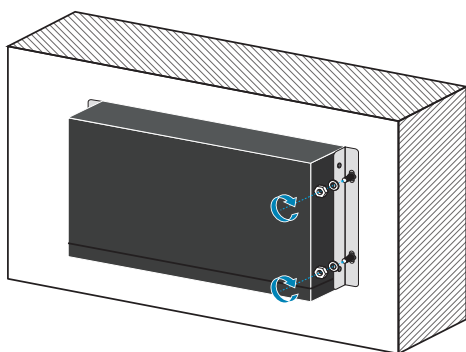


2. Mark the hole position on the wall

(Measure the distance between the wall hanger hole)

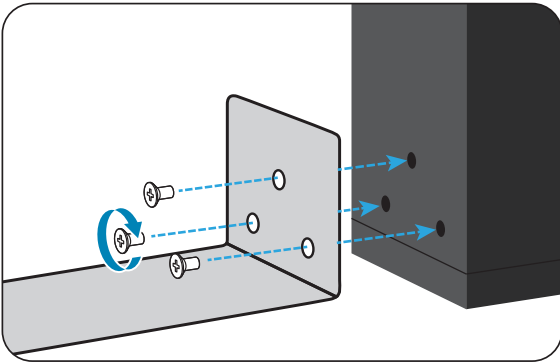


4. Fix the switch on the wall

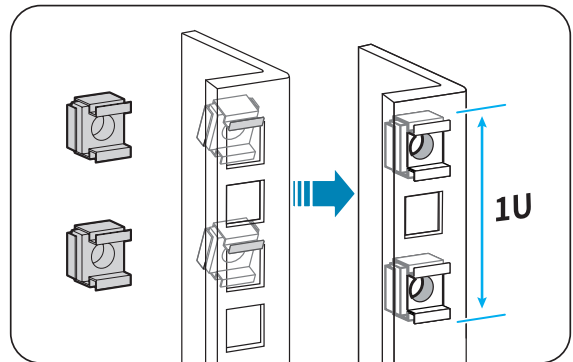


Install to cabinet/Rack

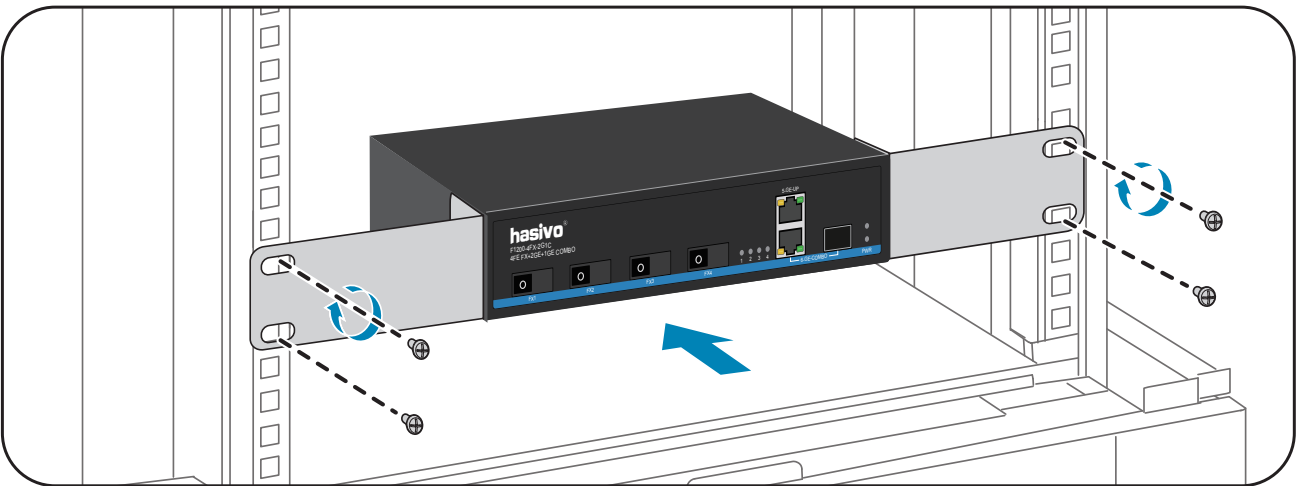
1. install the rack lug attached to the equipment to both sides of the switch with screws



2. Install floating nut on cabinet / rack



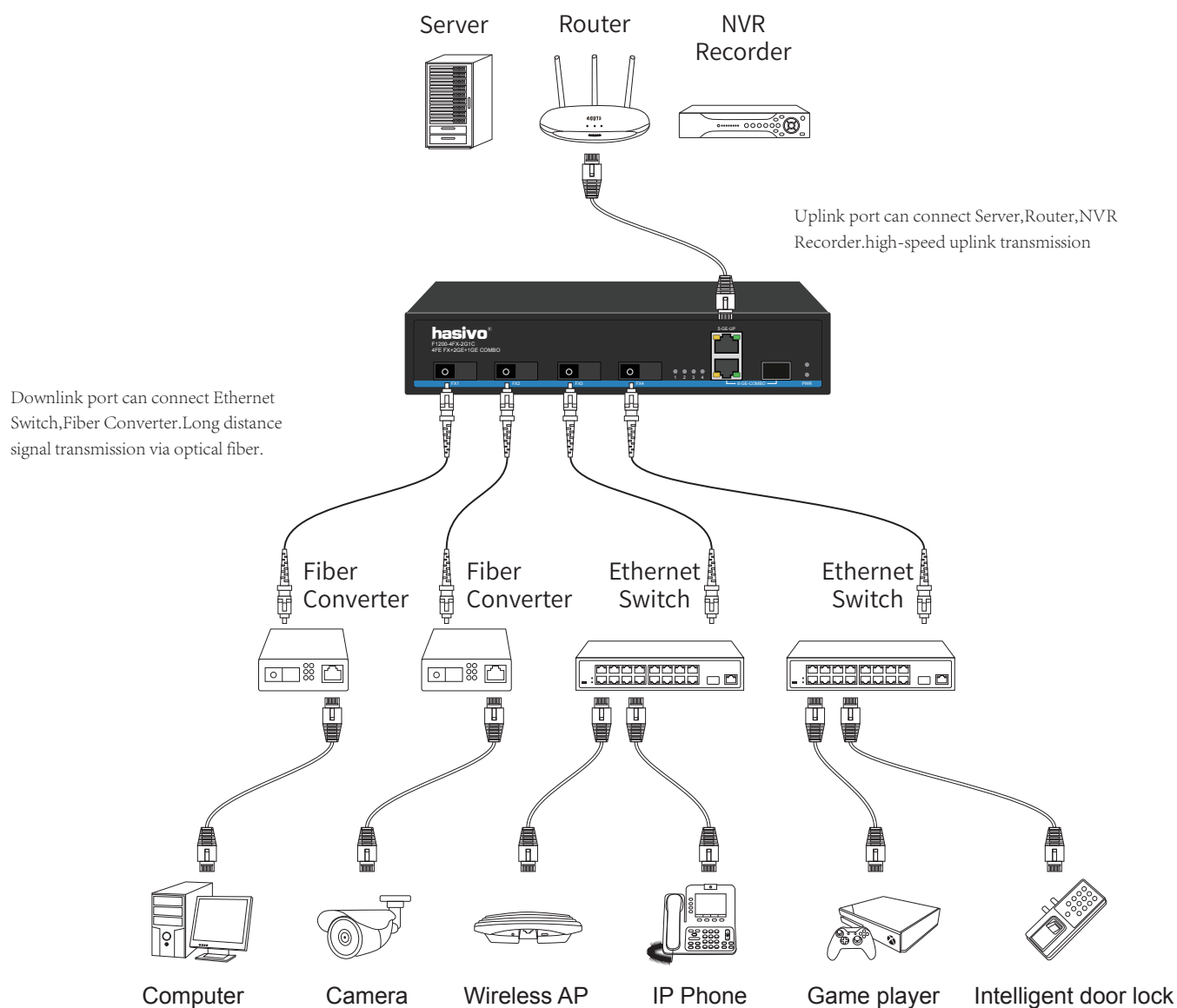
3. Put the switch installed with the lug into the cabinet and screw on the screw to complete the installation.



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.

05 Application



06 Common troubleshooting

- ⚠ 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	F1200-4FX-2G1C
Product	Gigabit uplink 4+2 Fiber Switch
Fixed Port	1*10/100/1000Base-TX RJ45 port (Data) 4*100M Integrated SFP (optional 1310、1550、1310/1550) 1*1000M COMBO
Network Protocol	IEEE802.3 IEEE802.3i 10BASE-T IEEE802.3u100BASE-TX IEEE 802.3ab1000BASE-T IEEE802.3x IEEE 802.3z 1000BASE-X
Port Specification	10/100/1000BaseT (X) Auto
Transmission Mode	Store and Forward (full wirespeed)
Bandwidth	32Gbps
Packet Forwarding	14.44Mpps
MAC Address	8K
Buffer	4.1M
Transmission Distance	10BASE-T : Cat3,4,5 UTP(≤250 meter) 100BASE-TX : Cat5 or later UTP(150 meter) 1000BASE-TX : Cat6 or later UTP(150 meter) Optional single mode single fiber(MAX 20KM) Optional single mode double fiber (MAX 20KM) Optional multiple mode double fiber(MAX 850M/2KM) Optional 3-80KM SFP
Watt	≤10W
LED Indicator	PWR:Power LED Port:(Green=10/100M LED+Orange=1000M LED) 1~4:(Integrated SFP LED)
Power	External Power DC: 12V 2A
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)	225mm*105mm*45mm 305mm*205mm*55mm
N.W/G.W (kg)	0.7kg/1.1kg
Installation	Desktop (Optional wall hanger+machine hanger parts)
Lightning protection level	3KV 8/20us; IP30
Certificate	3C;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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