



Full Gigabit Unmanaged Fiber Switch

 User Manual

G082GS

1 Overview

10 port unmanaged fiber switch has the characteristics of fiber cable as transmission medium, high speed, SFP transmission distance up to 100KM and strong anti-interference capability. It is convenient for enterprise engineering to achieve long-distance project layout, centralized management and lower failure rate.

Features

- IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z.
- Flow control method: full duplex adopts IEEE 802.3x, half duplex adopts Back pressure.
- Port supports Auto MDI/MDIX.
- Exchanging Mechanism : store and forward.
- All ports support exchange at wirespeed; support jumbo frame transmission.
- Port: 10/100/1000M adaptive port (can set own speed rate according to connected devices; Indicator indicates alarm when fiber signal loses.)
- Built-in efficient exchanging CPU: safe, stable and high speed.
- SFP transmission distance: MAX 100KM.
- Fiber module: optional single/double fiber, single/double mode.
- Panel indicator monitors operating status and helps fault analysis.

2 Product Display

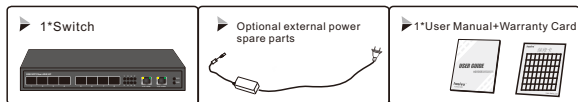
G082GS , 8*SFP+2*10/100/1000M port



Exterior Description

Indicator	Status	Description
Power LED : PWR	Always ON	Normal
	Always OFF	Power unconnected
SYS	Always ON	System operates normally
Port LED	Orange LED Always ON	Corresponding Ports operate at 1000M mode
	Green LED Always ON	Corresponding Ports operate at 100M mode
SFP LED : 1-8	Always ON	SFP signal communicates

Accessories List



Attention: Fiber modules are not included in models with SFP.
Please contact us in time if shorted or damaged accessories found.

3 Installation and attentions

For the safe installation operation of switch, suggestion:

- Check up that the power wire is securely wrapped into the power adapter connection or not.
- Ensure the adequate heat dissipation and ventilation around the switch.
- Do not stack heavy objects on the switch.

Desktop

When installing the switch on the desktop, the device must be placed flat on the table to keep it stable. Please leave aside enough space between the device and other surrounding objects for good ventilation.



Specification of power socket

The switch adopts single-phase three-pin power socket, the middle one is the G wire, the left one is the N wire, and the right one is the L wire. Please check before operation.

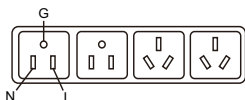


Figure 1.2.1 three-pin power socket(Single-phase)

Connect the power wire

1. Check up that the power supply is consistent with the marked requirements on the switch or not.
2. First plug the DC output of the power adapter into the DC port of the switch, and then connect the power cable to AC100~240V, 50~60Hz, see Fig. 1.2.2.

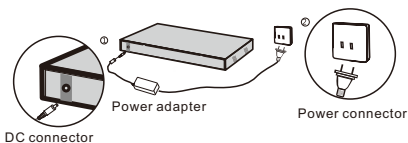


Fig.1.2.2 Power connection schematic diagram

SFP connection

The process of installing a fiber module on a switch is as follows:

Grab the fiber module from the side and insert it smoothly along the switch SFP port slot until the fiber module is in close contact with the switch, see Fig. 1.3.1.

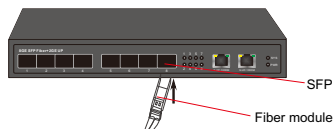


Fig.1.3.1

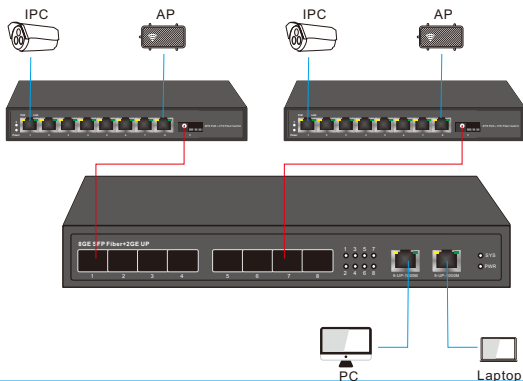
The inspection after installation

Please check up the following items after installation:

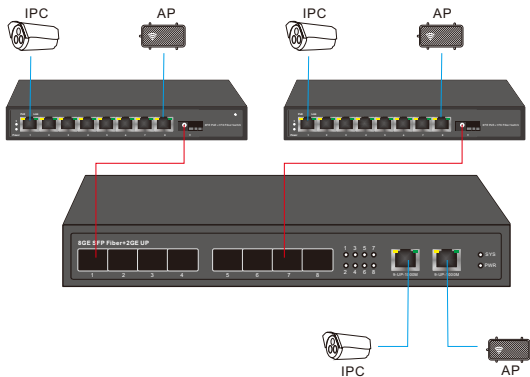
1. Enough cooling space around the switch and smooth air circulation.
2. The power supply from the power socket conforms to the switch requirements;
3. The power supply, switch, rack and other equipments are properly grounded;

4 Application

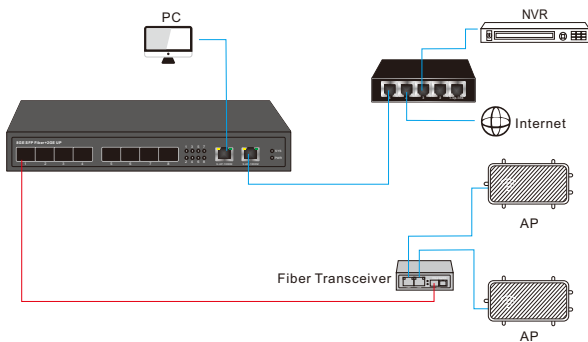
Option 1



Option 2



Option 3



5 Parameter

Model	G0802GS
Product	Full Gigabit 8+2 Fiber Switch
Port	2*10/100/1000Base-TX RJ45 port (Data) 8*1000M SFP
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(transmission distance:MAX 20km) Optional:Single mode double fiber(transmission distance:MAX 20km) Optional:Multiple mode double fiber(transmission distance:MAX 850 meters/20km) Optional 3-80km SFP
Watt	≤ 15W ;
LED Indicator	PWR:Power LED SYS:(System LED) Port:(Green=10/100M LED+Yellow=1000M LED) 1~8:(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*35mm 295mm*170mm*100mm
N.W/G.W(kg)	0.6kg/0.9kg
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)

Attentions

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

- Keep the status of power-off during installation, and wear anti-static wrist to ensure good contact between anti-static wrist and skin to avoid the hidden danger.
- The switch can only work normally under the correct power supply. Please confirm that the power supply voltage is consistent with the voltage marked by the switch.
- Before switch on, please make sure that it will not cause overload of the power circuit, so as not to affect the normal operation of the switch or even unnecessary damage.
- In order to avoid the danger of electric shock, do not open the shell up when the switch works, even in the case of no live current, do not open.
- Before cleaning the switch, pull out the power plug. Do not wipe it by using wet fabrics or liquid.
- Install device in the rack-mount regularly from top to bottom, in case of over-load installation.
- Don't place other heavy objects on the surface of the switch to avoid accidents.