

# M:kerLink

## Fiber Switch Series

### User Manual

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G082GS / G092GSM  
10G080GS / 10G080GSM

# 1 Product introduction

The 1G/10G SFP optical series ethernet switch with line speed forwarding capability per port. It has the characteristics of fiber cable as transmission medium, high speed, SFP transmission distance up to 100KM and strong anti-interference capability. This series products can be widely used in data exchange fields such as home network, security monitoring and wireless networking.

## Product Characteristic

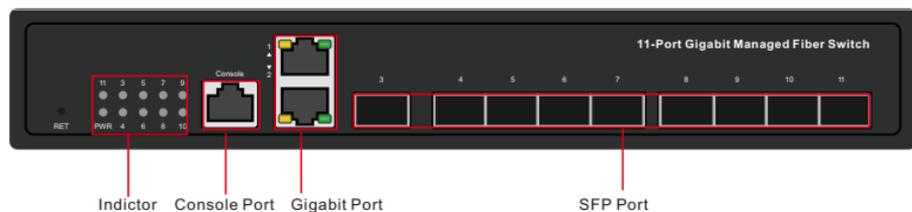
- Each port supports MDI/MDIX auto flip and duplex / rate self negotiation.
- Support IEEE 802.3x full duplex flow control and back pressure half duplex flow control.
- Support jumbo frame transmission.
- Built-in efficient exchanging CPU, safe, stable and high speed.
- Optional single-mode/multi-mode SFP module.
- SFP transmission distance: Max. 100KM.
- Panel indicator monitors operating status and helps fault analysis.

# 2 Product display

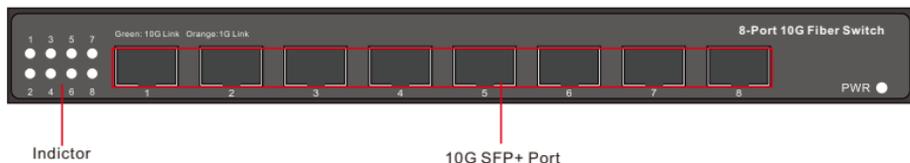
G082GS 8\*1000Mbps SFP + 2\*10/100/1000Mbps Rj45 port



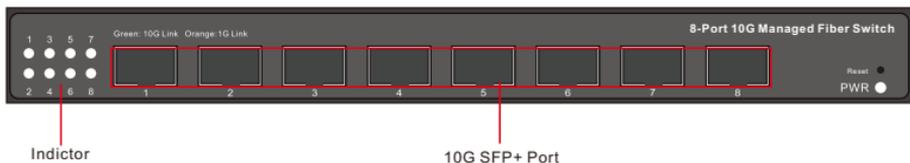
G092GSM 9\*1000Mbps SFP + 2\*10/100/1000Mbps Rj45 port



10G080GS 8\*10Gbps SFP+ port



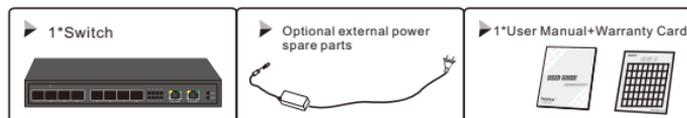
10G080GSM 8\*10Gbps SFP+ port



## Indicator definition

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

## Product supporting list



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

## 3 Login Management (For G092GSM / 10G080GSM)

This content is only applicable to managed type of products, please read this help information for the first application

### Web Management

1. Connect the device and PC, to ensure that the device initialization is complete.
2. Configure the IP address of the PC to be in the same network segment as the switch default IP address.
3. Enter "http://192.168.2.1" in the address bar of the opened PC browser, then press "enter" to the web management login interface, input the default user name "admin" and password "admin", and press "enter".

### Console Port Management

1. Connect the PC and the switch console port with the console cable.
2. Start the terminal simulation software, create a connection, select a serial port, and set communication parameters in consistent with the default configuration of the switch's console port, as listed below:

**Transmission rate: 115200**

**Dáta bits: 8**

**Parity bit: None**

Stop bits: 1

## 4 Connecting Equipment

### Network Cable

Pls use Cat5 and above network cable.

### Optical Fiber

1. Optical fibers must be used with the optical modules.
2. Fiber bending radius must not be less than 40mm.

### Power Cable

1. Distance between power cable and network cable should be more than 10cm.
2. The AC power please use the local AC power cable.
3. The DC power please pay attention to the positive and negative electrodes.

Flow control mode: None

## 5 Technical parameter (For G082GS / G092GSM)

Model	G082GS	G092GSM
Product	10 Port Gigabit Unmanaged Fiber Switch	11 Port Gigabit Managed Fiber Switch
Port	2*10/100/1000Base-TX RJ45 port (Data) 8*1000M SFP	2*10/100/1000Base-TX RJ45 port (Data) 9*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	56Gbps
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	≤ 20W
LED Indicator	PWR: Power LED SYS: (System LED ) Port: (Green=10/100M LED Yellow=1000M LED ) 1~8: (SFP LED )	PWR: Power LED SYS: (System LED ) Port: (Green=10/100M LED Yellow=1000M LED ) 3~11: (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	295mm*170mm*100mm 300mm*205mm*55mm
N.W/G.W(kg)	0.6kg/0.9kg	0.7kg/1kg
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)	

## Technical parameter (For 10G080GS / 10G080GSM)

Model	10G080GS	10G080GSM
Product	8 Port 10G Unmanaged Fiber Switch	8 Port 10G Managed Fiber Switch
Port	8*10Gbps SFP+	
Network Protocol	IEEE802.3 / IEEE802.3ae IEEE802.3i 10BASE-T IEEE802.3u100BASE-TX IEEE 802.3ab1000BASE-T IEEE802.3x IEEE 802.3z 1000BASE-X	
Port Specification	1G/10G Auto	
Transmission Mode	Store and Forward(full wirespeed)	
Bandwidth	160Gbps	
Packet Forwarding	119.04Mpps	
MAC Address	16K	
Buffer	12M	
SFP Support Type	Multimode dual fiber Single mode single fiber SFP to RJ45 power module Support CPRI mode optical port interconnection	
Jumbo frame	Up to 12KB	
LED Indicator	PWR: Power LED Port: 1G Link LED; 10G Link 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)	223mm*103mm*28mm 281mm*107mm*100mm	
N.W/G.W(kg)	0.71kg/1.16kg	
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)	



Get help or claim warranty

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Wuhan MokerLink Technology Co.,Ltd  
Rm10, 13/F, Main Building 7, Changhang Lanjing International,  
No. 116 Gaoxin Ave., Hongshan Dist., Wuhan, China  
<http://www.mokerlink.com>  
[support@mokerlink.com](mailto:support@mokerlink.com)