

IP-COM

Quick Installation Guide

9GE+1SFP Cloud Managed Switch With 8-Port PoE
6GE Cloud Managed Switch With 4-Port PoE
G2210P-8-102W/G2206P-4-63W

1 Install the device

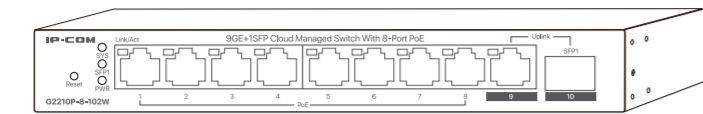
Preparations

- Desktop mounting: ESD bracket (or ESD gloves)
- Wall mounting: ESD bracket (or ESD gloves), ladder, screwdriver, marker, hammer drill, rubber hammer, leveling instrument, screws (PA3*14 mm, head diameter: 5.2 mm) and expansion bolts (height: 6.6 mm, inner diameter: 2.4 mm, length: 26.4 mm).

Installation

• Desktop mounting

Horizontally place the switch right-side up on a big enough, clean, stable and flat desktop.



• Wall mounting

- The switch can only be installed on non-flammable walls, such as a concrete wall.
- Do NOT install the switches with a vent facing downward; otherwise, there will be potential safety hazards.
- The switches are only suitable for mounting on heights > 2m.

- Step 1 Use a hammer drill to drill 2 holes (diameter: 6 mm) on the wall and the distance between the 2 holes is 113.50 mm (80 mm for G2206P-4-63W). Keep the two holes on a horizontal line.
- Step 2 Knock the expansion bolts (height: 6.6 mm, inner diameter: 2.4 mm, length: 26.4 mm) into the holes using a rubber hammer. Use a screwdriver to fix the screws (PA3*14 mm, head diameter: 5.2 mm) into the expansion bolts.

The distance between the inside surface of the screw header and the edge of the expansion bolt should not be less than 2.5 mm, to make sure that the switch can be hung on the screws firmly.

- Step 3 Align the two wall-mounting slots on the bottom of the switch with the two screws on the wall, and then slide the switch to fit in the screws until it is firmly hung on the screws.

Package contents

- Switch x1
- Power adapter x1
- Expansion bolts x2
- Screws x2
- Quick installation guide x1

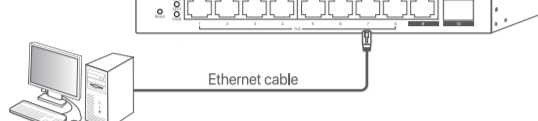
This guide instructs how to install, connect and manage the device. For details, please visit www.ip-com.com to download the user guide of the device.

3 Manage the device

You can manage the switch through the local web UI or IP-COM CloudFi App.

• Through local web UI

Step 1 Use an Ethernet cable to connect the computer to one of the ports 1-9 (ports 1-6 for G2206P-4-63W) of the switch.



Step 2 Set the IP address of Ethernet (or Local Area Connection) of the computer to the same network segment of the switch's IP address. The default IP address of the switch is 10.16.16.168. You can set the IP address of the computer to 10.16.16.X (X ranges from 2 to 254 excluding 168 and is not occupied) and the subnet mask to 255.255.255.0.

Step 3 Start a web browser (such as Chrome) on the computer, enter the management IP address of the switch (default: 10.16.16.168) in the address bar, and press Enter on the keyboard.



Step 4 Enter the login password (admin by default), and click Login.



- If you fail to access the above page, please refer to Q1 in FAQ.
- For network security, please change the password after login.

After successfully logging in to the web UI of the switch, you can configure the switch.

• Through IP-COM CloudFi App

- Before configuring the cloud management function, ensure that the switch has been connected to the internet.
- Ensure that the App is updated to the latest version. The operations may differ due to different versions.

Step 1 Download and install the app

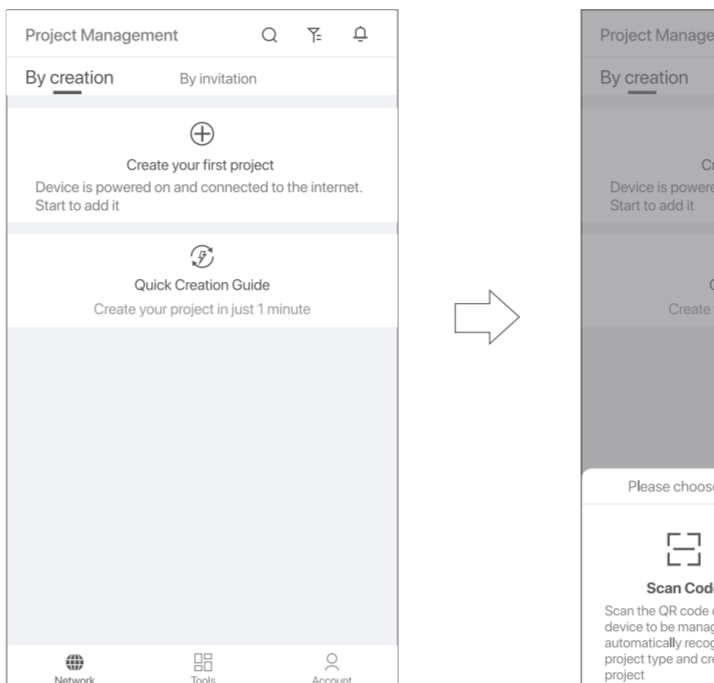
Search for the IP-COM CloudFi app in App Store or the app market to download and install the IP-COM CloudFi app on your mobile phone.

Step 2 Create a project

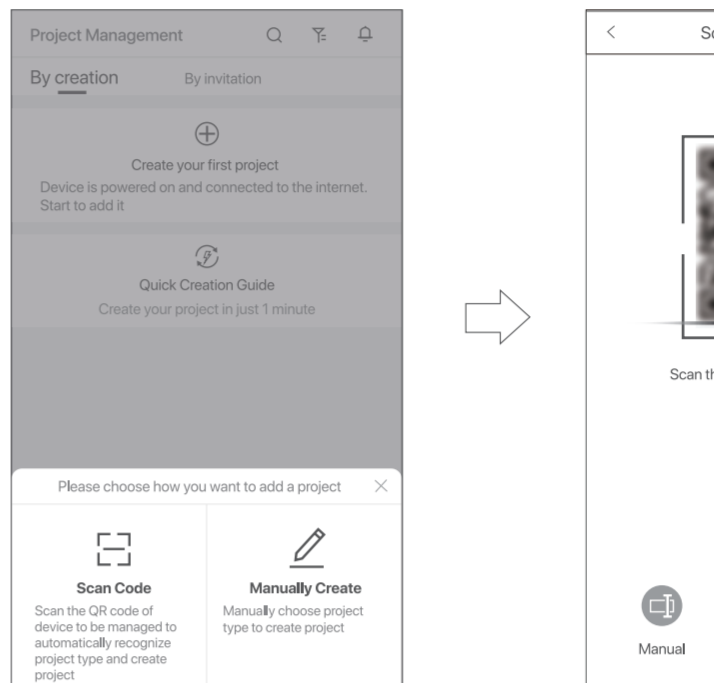
- Scan Code: Scan the **Scan to Add Device QR code** on the switch to automatically recognize project type and create project.
- Manually Create: Manually choose project type and create project.

Scan Code method is used for illustration here.

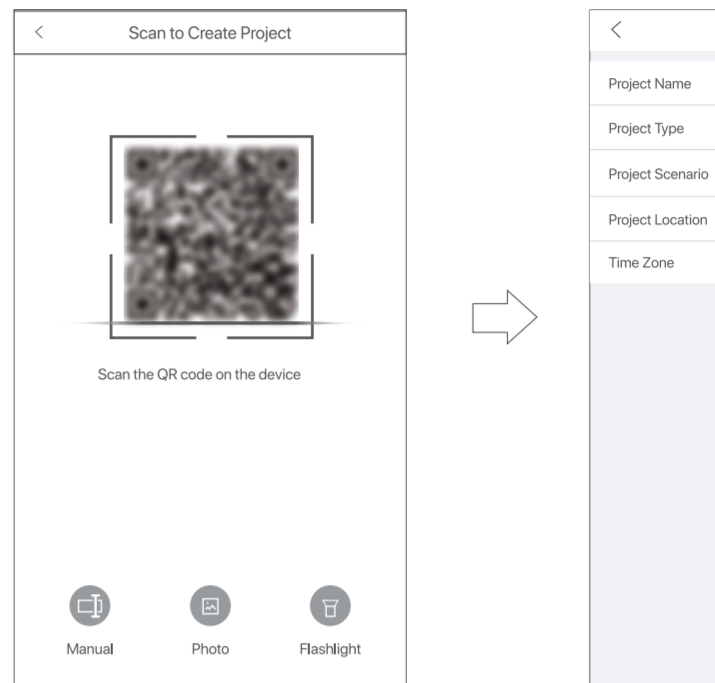
• Tap Create your first project



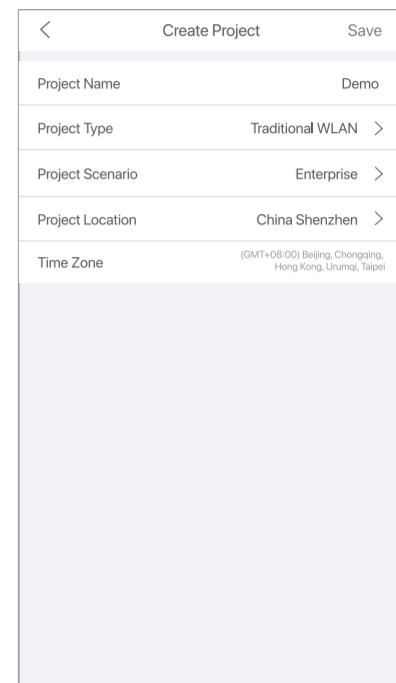
• Tap Scan Code



• Scan the QR code on the device



• Set project parameters and tap Save

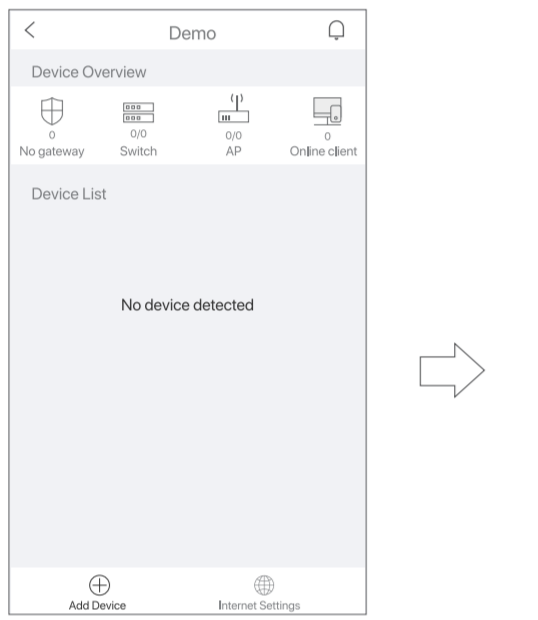


Step 3 Add a device in the project

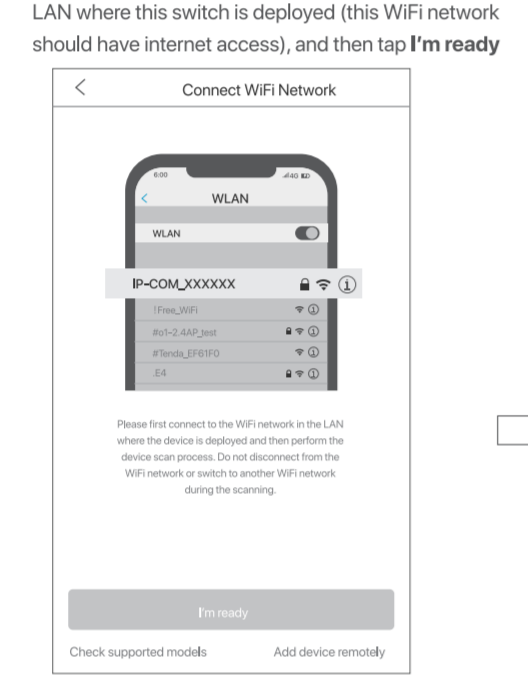
- Add device in local network: Applicable when your mobile phone is connected to the LAN network of the switch.
- Add device remotely: Applicable when your mobile phone cannot connect to the LAN network of the switch. To use this method, you need to obtain the device model and MAC address of the switch or the **Scan to Add Device QR code** in advance.

(1) Add device in local network

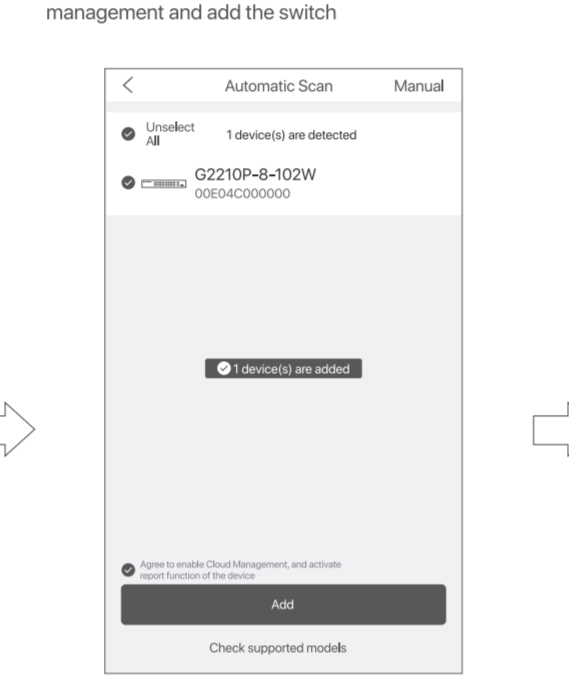
• Enter the project, tap Add Device



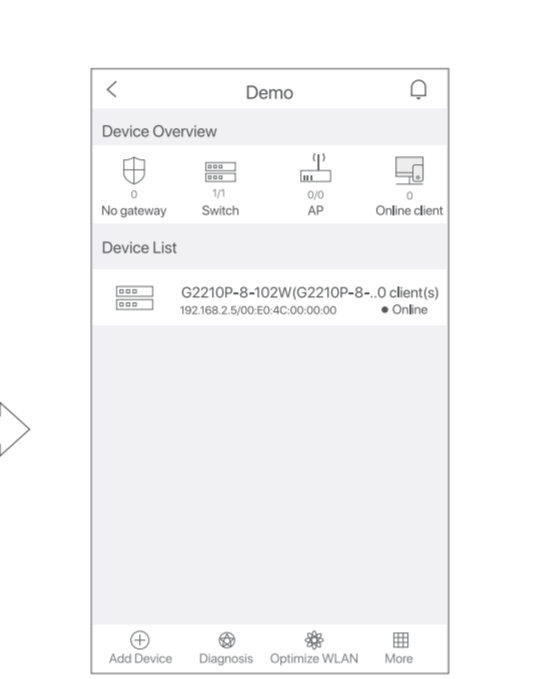
• Connect your mobile phone to the WiFi network of the LAN where this switch is deployed



• After the automatic scan, agree to enable cloud management and add the switch



• The switch is added successfully



Done. You can manage and maintain the switch on IP-COM CloudFi app.

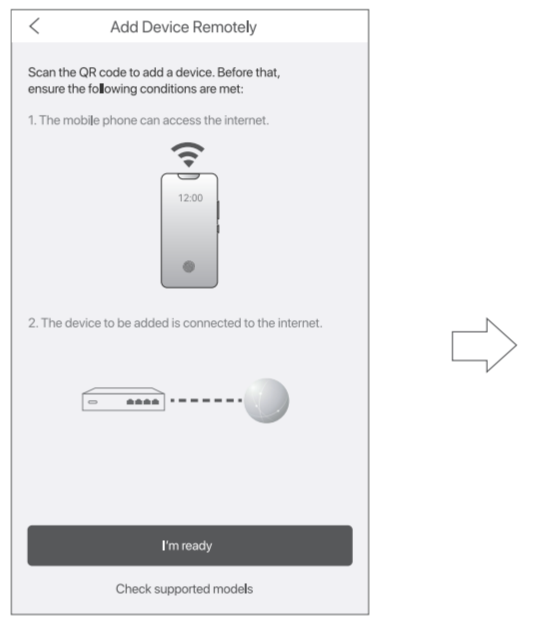
(2) Add device remotely

- Before adding devices, ensure that the cloud management function of the switch is already enabled on the web UI (Basic Functions > Cloud Management).

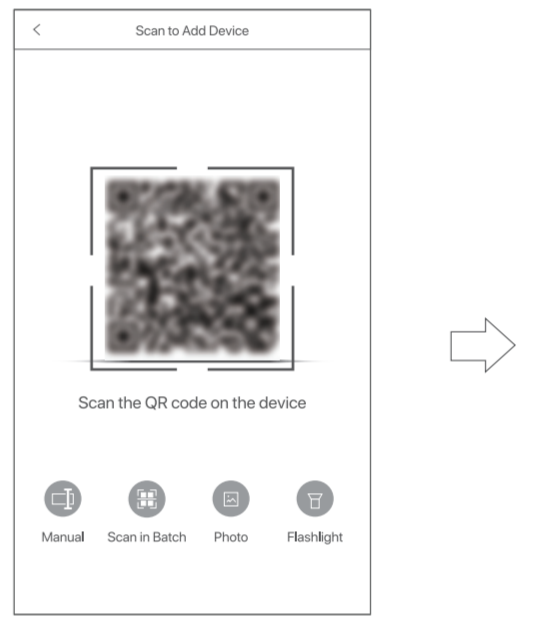
• Tap Add device remotely at the lower right corner



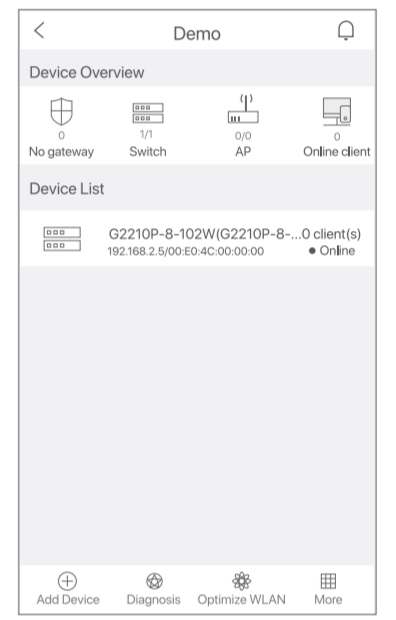
• Follow the instructions, tap I'm ready



• Scan the Scan to Add Device QR code on the switch, or tap Manually to input the device type, model and MAC address



• The switch is added successfully



Done. You can manage and maintain the switch on IP-COM CloudFi app.

FAQ

- Q1. I cannot log in to the web UI of the switch. What should I do?
 - Check whether the switch is powered on properly. The PWR LED indicator is solid on.
 - Check whether the computer is connected to the switch properly with an Ethernet cable.
 - Check whether the IP address of Ethernet (or Local Area Connection) of the computer is set to 10.16.16.X (X ranges from 2 to 254 excluding 168 and is not occupied).
 - Clear the cache of the web browser or try another web browser.
 - Disable the firewall of the computer, or try another computer.
 - Check whether only one device with the IP address 10.16.16.168 exists in the local network.
 - If the problem persists, refer to Q3 to reset the switch and try again.

Q2. I forgot the login password when logging in to the web UI.

- What should I do?
 Use the default password (admin) to log in. If the problem persists, refer to Q3 to reset the switch, then use the default password.

Q3. How to restore the switch to factory settings?

When the SYS LED indicator is blinking, hold down the **Reset** button with a needle-like object for about 10 seconds, and then release it when all indicators are solid on. When the SYS LED indicator blinks again, the switch is restored to factory settings.

Q4. The PWR LED indicator does not light up. What should I do?

- Ensure that the power adapter is connected to the switch and the power jack properly.
- Ensure that the power adapter is powered on.
- Ensure that the input voltage matches the value required by the switch.

Q5. The PoE ports do not supply power for devices. What should I do?

- Ensure that the powered devices comply with the IEEE 802.3af/at standards.
- Ensure that the power consumption/total power consumption does not exceed the maximum output power of each port/switch.
- Ensure that the powered devices are connected to the switch properly with CAT5e or better Ethernet cables.

Appendix A

Specifications

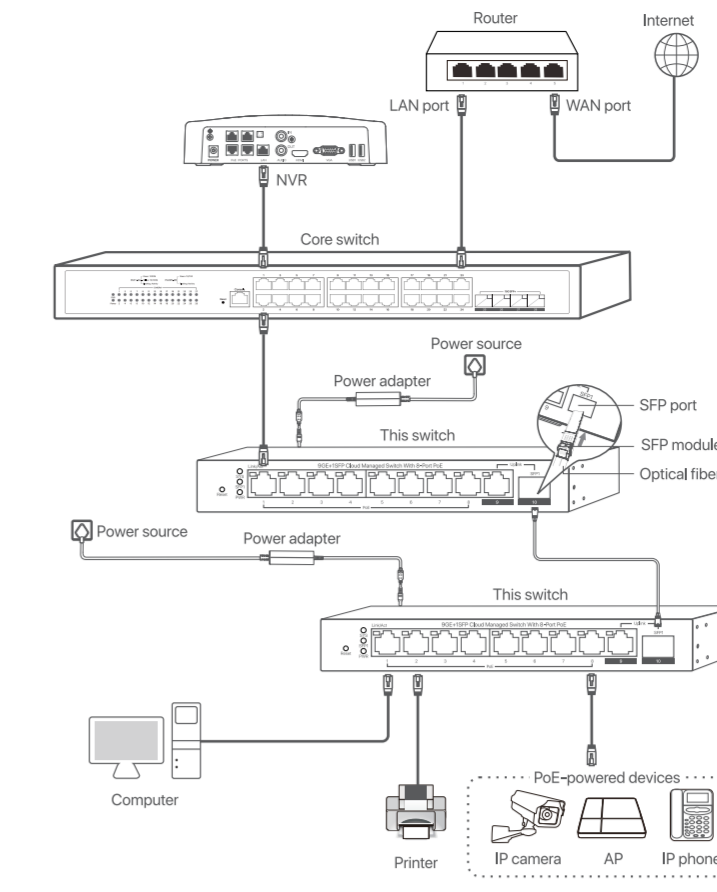
	G2210P-8-102W	G2206P-4-63W
Model	10/100/1000 Mbps RJ45 port	6 6
Port	10/100 Mbps RJ45 port 1000 Mbps SFP port	1 /
Performance	Switching mode Store-and-forward	1 independent SFP port /
MAC address table learning Auto aging, auto learning	16K	2K
MAC address table 16K	2K	
Port standard IEEE 802.3af, IEEE 802.3at		
PoE power cable core PoE port PoE power supply	8 cores, voltage of cores 1, 2, 4, 5, +, and cores 3, 6, 7, 8 = -	1+4
Dimensions (L x W x H)	177.5mm x 104mm x 26mm	100mm x 100mm x 26mm
Power supply Input Output	100~240V AC, 50/60Hz, 1.6A 5V DC, 2A	100~240V AC, 50/60Hz, 1.5A 5V DC, 2.5A
Lighting protection Power supply Common mode 6kV, Mode differential mode 4kV	Common mode 6kV, Mode differential mode 4kV	Common mode 6kV, Mode differential mode 4kV
Operating environment Temperature: -40°C ~ 70°C Humidity: (5%~90%) RH, non-condensing	Temperature: -40°C ~ 70°C Humidity: (5%~90%) RH, non-condensing	Temperature: -40°C ~ 70°C Humidity: (5%~90%) RH, non-condensing
Storage environment Temperature: -40°C ~ 70°C Humidity: (5%~90%) RH, non-condensing	Temperature: -40°C ~ 70°C Humidity: (5%~90%) RH, non-condensing	Temperature: -40°C ~ 70°C Humidity: (5%~90%) RH, non-condensing
Data transmission rate Ethernet: 10 Mbps (half duplex)/20 Mbps (full duplex) Fast Ethernet: 100 Mbps (half duplex)/200 Mbps (full duplex) Digital Ethernet: 2000 Mbps (full duplex)	Ethernet: 10 Mbps (half duplex)/20 Mbps (full duplex) Fast Ethernet: 100 Mbps (half duplex)/200 Mbps (full duplex) Digital Ethernet: 2000 Mbps (full duplex)	Ethernet: 10 Mbps (half duplex)/20 Mbps (full duplex) Fast Ethernet: 100 Mbps (half duplex)/200 Mbps (full duplex) Digital Ethernet: 2000 Mbps (full duplex)
Transmission media Ethernet: CAT5 or better UTP/STP cable Fast Ethernet: CAT5e or better UTP/STP cable Optical Ethernet: 2000 Mbp (full duplex) 1000Base-SX, MMF 1000Base-LX, MMF or SMF /	Ethernet: Cat5 or better UTP/STP cable Fast Ethernet: Cat5e or better UTP/STP cable Optical Ethernet: 2000 Mbp (full duplex) 1000Base-SX, MMF 1000Base-LX, MMF or SMF /	Ethernet: Cat5 or better UTP/STP cable Fast Ethernet: Cat5e or better UTP/STP cable Optical Ethernet: 2000 Mbp (full duplex) 1000Base-SX, MMF 1000Base-LX, MMF or SMF /
Network standards IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3y, IEEE 802.3ae, IEEE 802.3at	IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3y, IEEE 802.3ae, IEEE 802.3at	IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3y, IEEE 802.3ae, IEEE 802.3at
Network standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3y, IEEE 802.3ae, IEEE 802.3at	IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3y, IEEE 802.3ae, IEEE 802.3at

Характеристики

	G2210P-8-102W	G2206P-4-63W
Модель	10/100/1000 Mbps RJ45 порт	6 6
Порт	10/100 Мбит/с RJ45 порт 1000 Мбит/с SFP порт	1 /
Выполнение	Режим переключения Store-and-forward	1 независимый SFP порт /
Изучение MAC-адресов Автоматическое старение, автоматическое обучение	16 К	2 К
Таблица MAC-адресов 16 К	2 К	
Стандарт PoE IEEE 802.3af, IEEE 802.3at		
Элементы питания PoE порт PoE стандарт PoE power cable core PoE порт PoE питание	8 ядер, напряжение ядра 1, 2, 4, 5 "+" и ядра 3, 6, 7, 8 "-"	1+4
Размеры (L x W x H)	177,5 мм x 104 мм x 26 мм	100 мм x 100 мм x 26 мм
Источники питания Input Output	100~240 В переменного тока, 50/60 Гц, 1,6 А 5 В DC, 2 А	100~240 В переменного тока, 50/60 Гц, 1,5 А 5 В DC, 2,5 А
Мониторинг Protection Power supply Common mode 6kV, Mode differential mode 4kV	Common mode 6kV, Mode differential mode 4kV	Common mode 6kV, Mode differential mode 4kV
Условия эксплуатации Temperature: -40°C ~ 70°C Humidity: (5%~90%) RH, non-condensing	Temperature: -40°C ~ 70°C Humidity: (5%~90%) RH, non-condensing	Temperature: -40°C ~ 70°C Humidity: (5%~90%) RH, non-condensing
Условия хранения Temperature: -40°C ~ 70°C Humidity: (5%~90%) RH, non-condensing	Temperature: -40°C ~ 70°C Humidity: (5%~90%) RH, non-condensing	Temperature: -40°C ~ 70°C Humidity: (5%~90%) RH, non-condensing
Скорость передачи информации Ethernet: 10 Мбит/с (полудуплекс)/20 Мбит/с (полудуплекс) Fast Ethernet: 100 Мбит/с (полудуплекс)/200 Мбит/с (полудуплекс) Digital Ethernet: 2000 Мбит/с (полудуплекс)	Ethernet: 10 Мбит/с (полудуплекс)/20 Мбит/с (полудуплекс) Fast Ethernet: 100 Мбит/с (полудуплекс)/200 Мбит/с (полудуплекс) Digital Ethernet: 2000 Мбит/с (полудуплекс)	Ethernet: 10 Мбит/с (полудуплекс)/20 Мбит/с (полудуплекс) Fast Ethernet: 100 Мбит/с (полудуплекс)/200 Мбит/с (полудуплекс) Digital Ethernet: 2000 Мбит/с (полудуплекс)
Средства передачи Ethernet: Cat5 или лучше UTP/STP кабель Fast Ethernet: Cat5e или лучше UTP/STP кабель Оптический Ethernet: 2000 Мбит/с (полудуплекс) 1000Base-SX, MMF 1000Base-LX, MMF или SMF /	Ethernet: Cat5 или лучше UTP/STP кабель Fast Ethernet: Cat5e или лучше UTP/STP кабель Оптический Ethernet: 2000 Мбит/с (полудуплекс) 1000Base-SX, MMF 1000Base-LX, MMF или SMF /	Ethernet: Cat5 или лучше UTP/STP кабель Fast Ethernet: Cat5e или лучше UTP/STP кабель Оптический Ethernet: 2000 Мбит/с (полудуплекс) 1000Base-SX, MMF 1000Base-LX, MMF или SMF /
Стандарты сети IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3y, IEEE 802.3ae, IEEE 802.3at	IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3y, IEEE 802.3ae, IEEE 802.3at	IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3y, IEEE 802.3ae, IEEE 802.3at

2 Connect the device

The typical network topology of the switch is as shown below.



Tips

- The SFP port of G2210P-8-102W is an independent SFP port.
- The switch support auto MDI/MDIX. You can use either a straight-through cable or a crossover cable to connect the switches to Ethernet devices.
- The switches support power supply protection for the PoE ports. When the total power consumption of the PoE-powered devices exceeds the maximum output of the switches, the switches start cutting the power supply from the port with the lowest power supply priority (the port with the largest port number) until the total power consumption of the PoE-powered devices is less than the maximum output of the switches.

After connection, you can check whether the switch is connected properly by checking the working mode according to the following table.

LED Indicator	Description
PWR G2210P-8-102W Located at the front panel G2206P-4-63W Located at the back panel	Solid on: Powered on Off: Powered off or powered improperly
Link/Act G2210P-8-102W F4: Located at the upper left corner of each port 10: SFP located below SYS G2206P-4-63W F4: Located at the upper left corner of each port	Solid on: Connected but not active Blinking: Active in data transmission Off: Not connected or connected improperly
SYS G2210P-8-102W Located at the front panel G2206P-4-63W Located at the back panel	Solid on: System works properly Blinking: System works improperly Off: System is starting up or works improperly

Specifiche

	G2210P-8-102W	G2206P-4-63W
Porte	Porta RJ45 10/100/1000 Mbps 1	6
Prestazioni	Modalità switching Store-and-forward	1 porta SFP indipendente /
Apprendimento degli indirizzi MAC Auto-rilevamento, auto-apprendimento	16 K	2 K
Tabella degli indirizzi MAC 16 K	2 K	
Standard PoE IEEE 802.3af, IEEE 802.3at		
Nucleo del cavo di alimentazione PoE PoE port PoE power supply	8 nuclei, tensione dei nuclei 1, 2, 4, 5 +, e nuclei 3, 6, 7, 8 = -	1+4
Dimensioni (L x W x H)	177,5 mm x 104 mm x 26 mm	100 mm x 100 mm x 26 mm
Alimentazione Input Output	100~240 V CA, 50/60 Hz, 1,6 A 5 V DC, 2 A	100~240 V CA, 50/60 Hz, 1,5 A 5 V DC, 2,5 A
Protezione contro i rimbombi Alimentazione Common mode 6kV, Modalità differenziale: 4kV	Common mode 6kV, Modalità differenziale: 4kV	Common mode 6kV, Modalità differenziale: 4kV
Ambiente operativo Temperature: -40°C ~ 70°C Humidity: (5%~90%) RH, senza condensazione	Temperature: -40°C ~ 70°C Humidity: (5%~90%) RH, senza condensazione	Temperature: -40°C ~ 70°C Humidity: (5%~90%) RH, senza condensazione
Ambiente di immagazzinaggio Temperature: -40°C ~ 70°C Humidity: (5%~90%) RH, senza condensazione	Temperature: -40°C ~ 70°C Humidity: (5%~90%) RH, senza condensazione	Temperature: -40°C ~ 70°C Humidity: (5%~90%) RH, senza condensazione
Velocità di trasmissione dati Ethernet: 10 Mbps (full duplex)/20 Mbps (full duplex) Fast Ethernet: 100 Mbps (full duplex)/200 Mbps (full duplex) Digital Ethernet: 2000 Mbps (full duplex)	Ethernet: 10 Mbps (full duplex)/20 Mbps (full duplex) Fast Ethernet: 100 Mbps (full duplex)/200 Mbps (full duplex) Digital Ethernet: 2000 Mbps (full duplex)	Ethernet: 10 Mbps (full duplex)/20 Mbps (full duplex) Fast Ethernet: 100 Mbps (full duplex)/200 Mbps (full duplex) Digital Ethernet: 2000 Mbps (full duplex)
Mezzi di trasmissione Ethernet: Cat5 o migliore UTP/STP cavo superiore Fast Ethernet: Cat5e o migliore UTP/STP cavo superiore Opzionale Ethernet: 2000 Mbps (full duplex) 1000Base-SX, MMF 1000Base-LX, MMF o SMF /	Ethernet: Cat5 o migliore UTP/STP cavo superiore Fast Ethernet: Cat5e o migliore UTP/STP cavo superiore Opzionale Ethernet: 2000 Mbps (full duplex) 1000Base-SX, MMF 1000Base-LX, MMF o SMF /	Ethernet: Cat5 o migliore UTP/STP cavo superiore Fast Ethernet: Cat5e o migliore UTP/STP cavo superiore Opzionale Ethernet: 2000 Mbps (full duplex) 1000Base-SX, MMF 1000Base-LX, MMF o SMF /
Standard di rete IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3y, IEEE 802.3ae, IEEE 802.3at	IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3y, IEEE 802.3ae, IEEE 802.3at	IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3y, IEEE 802.3ae, IEEE 802.3at

Especificações

	G2210P-8-102W	G2206P-4-63W
Porta	Porta RJ45 10/100/1000 Mbps 1	6
Desempenho	Modo de comutação Store-and-forward	1 porta SFP independente /
Aprendizagem de endereços MAC Auto-rilevamento, auto-aprendimento	16 K	2 K
Tabela de direções MAC 16 K	2 K	
Norma PoE IEEE 802.3af, IEEE 802.3at		
Núcleo do cabo de energia PoE PoE port PoE power supply	8 núcleos, a tensão dos núcleos 1, 2, 4, 5 superior e dos núcleos 3, 6, 7, 8 inferior	1+4
Dimensões (L x W x H)	177,5 mm x 104 mm x 26 mm	100 mm x 100 mm x 26 mm
Fonte de alimentação Input Output	100~240 V CA, 50/60 Hz, 1,6 A 5 V DC, 2 A	100~240 V CA, 50/60 Hz, 1,5 A 5 V DC, 2,5 A
Proteção contra raios Proteção Alimentação Common mode 6kV, Modo diferencial 4kV	Common mode 6kV, Modo diferencial 4kV	Common mode 6kV, Modo diferencial 4kV
Ambiente operativo Temperature: -40°C ~ 70°C Humidity: (5%~90%) RH, sem condensação	Temperature: -40°C ~ 70°C Humidity: (5%~90%) RH, sem condensação	Temperature: -40°C ~ 70°C Humidity: (5%~90%) RH, sem condensação
Ambiente de armazenamento Temperature: -40°C ~ 70°C Humidity: (5%~90%) RH, sem condensação	Temperature: -40°C ~ 70°C Humidity: (5%~90%) RH, sem condensação	Temperature: -40°C ~ 70°C Humidity: (5%~90%) RH, sem condensação
Taxa de transmissão de dados Ethernet: 10 Mbps (full duplex)/20 Mbps (full duplex) Fast Ethernet: 100 Mbps (full duplex)/200 Mbps (full duplex) Digital Ethernet: 2000 Mbps (full duplex)	Ethernet: 10 Mbps (full duplex)/20 Mbps (full duplex) Fast Ethernet: 100 Mbps (full duplex)/200 Mbps (full duplex) Digital Ethernet: 2000 Mbps (full duplex)	Ethernet: 10 Mbps (full duplex)/20 Mbps (full duplex) Fast Ethernet: 100 Mbps (full duplex)/200 Mbps (full duplex) Digital Ethernet: 2000 Mbps (full duplex)
Meios de transmissão Ethernet: Cat5 ou melhor UTP/STP superior Fast Ethernet: Cat5e ou melhor UTP/STP superior Opção Ethernet: 2000 Mbps (full duplex) 1000Base-SX, MMF 1000Base-LX, MMF ou SMF /	Ethernet: Cat5 ou melhor UTP/STP superior Fast Ethernet: Cat5e ou melhor UTP/STP superior Opção Ethernet: 2000 Mbps (full duplex) 1000Base-SX, MMF 1000Base-LX, MMF ou SMF /	Ethernet: Cat5 ou melhor UTP/STP superior Fast Ethernet: Cat5e