

IP-COM

Quick Installation Guide

L3 Managed PoE Switch

G5328P-24-410W/G5310P-8-150W

Package contents

• Switch x 1

• Screw (M4/3*8 mm) x 8

• Console cable x 1 (only provided with G5328P-24-410W)

• Power cord x 1

• Footpad x 4

• Quick installation guide x 1

• L-shaped bracket x 2

This guide instructs how to install, connect and log in to the device with the example of G5328P-24-410W. For details, please visit www.ip-com.com.cn to download the user guide of the device.

Chapter 1 Device installation

1.1 Safety precautions

Follow the notes below to avoid device damages or personal injuries caused by improper operations.

- Wear the ESD bracelet or gloves before installation and do **NOT** power on the switch before finishing installation.
- Use the included power cord to supply power to the switch.
- Make sure that the input voltage matches the value of the switch specified in this guide.
- Do **NOT** touch any ventilation openings.
- Do **NOT** remove the housing of the switch.
- Keep the operating environment clean, and regularly clean the switch.
- Disconnect the switch from the power supply before cleaning it. Do **NOT** scrub the switch with any liquid.
- Position the switch away from power line, electric lamp, or power system.
- Do **NOT** place any heavy item on top of the switch.
- If an outdoor cable is required, check whether the signal surge protector and AC surge arrester are connected to the switch.

Note: There is a void sticker covering one of the screws on the housing of the switch. Do **NOT** remove the sticker without permission from the supplier. Otherwise you shall be responsible for any damage.

1.2 Preparing for installation

- Rack mounting: ESD bracket or gloves, screwdriver, 4 screws (suitable for securing the switch to the rack)
- Wall mounting: ESD bracket or gloves, marker, hammer drill, hammer drill, 4 expansion bolts (M5*40 mm), screwdriver, 4 screws (M4*25 mm, head diameter: 10 mm)
- Desktop mounting: ESD bracket or gloves

1.3 Installation

• Mounting to a standard 19-inch rack

Step 1 Ensure that the rack is stable level and is properly grounded.

Step 2 Fix the 2 L-shaped brackets to both sides of the switch with the included screws.

Step 3 Mount the switch at a proper height on the rack and fix the L-shaped brackets to the rack with screws (not included). Ensure that the switch is stable on the rack.

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

• Mounting to the wall

Step 1 Fix the 2 L-shaped brackets (rotated by 90 degrees) to both sides of the switch with the included screws.

Step 2 Place the switch horizontally onto the wall with its RJ45 ports facing upward, and then mark the positions of the screw holes with the marker.

Step 3 Drill holes in the marked positions, and then hammer the expansion bolts into the holes.

Technical Support

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V2.0 Keep for future reference

Step 4 Secure the screws (self-prepared) passing through the L-brackets into the expansion bolts with a screwdriver. Ensure that the switch is installed firmly with its RJ45 ports facing upward.

• Mounting on the desktop

Place the four footpad stickers to the corresponding four recesses on the bottom of the switch. Then turn the switch upside down, and place it horizontally on a big enough, clean, stable and flat desktop.

1.4 Grounding

Grounding is important for lightning protection, anti-interference, and personal safety.

Step 1 Connect one end of the grounding cable to the grounding terminal of the switch.

Step 2 Connect the other end of the grounding cable to another grounded device or to the binding post on the grounding bar.

Note: Connect the grounding cable to the grounding system in the equipment room. Do **NOT** connect it to a fire hose or lightning rod.

Chapter 2 Physical connection

Refer to the following network topology to connect the switch to other network devices.

Tips

The switch supports auto MDI/MDIX, so both a straight cable and a crossover cable can be used to connect the switch to Ethernet devices.

Chapter 3 Login

After connection, please check whether the switch is connected properly or adjust the operating mode of the switch according to the following table.

LED indicator/button	Description
PoE-Max	Solid on: The total output power of the switch reaches the maximum value. Off: The total output power of the switch does not reach the maximum value.
SYS	Blinking: The system works properly. Solid on: The system is not working properly. Off: The system is starting up or not working properly.
Power	Solid on: The switch is powered on properly. Off: The switch is not powered on, or not powered on properly.
Link/Act or PoE	Link/Act and PoE multipurpose LED indicator: It indicates the connection status or PoE power supply status of RJ45 ports based on the connected mode of the LED Mode or LED/Reset button. - When the Link/Act LED indicator or LED Mode (or LED/Reset) is solid on, the descriptions of the Link/Act or PoE LED indicators are shown as follows: Solid on: The port is connected to a device, but no data is being transmitted over the port. Blinking: Data is being transmitted over the port. Off: The port is not connected or is not connected properly. Green light indicates that the negotiation rate of the port is 1000 Mbps, and orange light indicates a rate of 10 Mbps or 100 Mbps. - When the PoE LED indicator or LED Mode (or LED/Reset) is solid on, the descriptions of the Link/Act or PoE LED indicators are shown as follows: Solid orange: The port supplies PoE power to a device properly. Blinking orange: The port is not supplying PoE power to a device properly. Off: The port does not supply PoE power.
Link/Act	Solid on: The port is connected, but no data is being transmitted over the port. Blinking: Data is being transmitted over the port. Off: The port is not connected or is not connected properly.
LED Mode (or LED/Reset)	This multipurpose button is for both LED indicator converting and reset. - Press the LED Mode (or LED/Reset) button to convert the mode of the Link/Act or PoE LED indicator. - When the Link/Act LED indicator or LED Mode (or LED/Reset) is solid on, the Link/Act or PoE LED indicator is in the Link/Act mode. - When the PoE LED indicator or LED Mode (or LED/Reset) is solid on, the Link/Act or PoE LED indicator is in a PoE mode. - When the PoE LED indicator is blinking, press and hold the LED Mode (or LED/Reset) button for about 10 seconds, and then release when all indicators are solid on. When the SYS LED indicator blinks again, the switch is restored to factory settings.

Step 1 Use an Ethernet cable to connect the computer to one of the ports 1 ~ 24 (1 ~ 9 for G5310P-8-150W) of the switch.

Step 2 Set the IP address 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, and enter the default IP address of the switch (default: **10.16.16.168**) in the address bar, and press **Enter** on the keyboard.

Step 4 On the login page of the switch, enter the login user name and password (both are admin by default), and click **Login**.

Tips
If you fail to access the above page, please refer to **question 1** in **FAQ**.

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

FAQ

1. I cannot log in to the web UI of the switch. What should I do?

Try the following solutions:

- Check whether the switch is powered on properly. The **Power** LED indicator is solid on.
- Check whether the computer is connected to the switch properly.
- 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, reset the switch and try again.

Reset method: When the **SYS** LED indicator is blinking, press and hold the **LED Mode** (or **LED/Reset**) button for about 10 seconds, and then release when all indicators are solid on. When the **SYS** LED indicator blinks again, the switch is restored to factory settings.

2. I forget the login user name and password when logging in to the web UI. What should I do?

Try entering the default login user name and password (both are admin). If failed still, reset the switch, and then use the default user name and password to log in.

3. How do I connect the switch through the Console port?

Please operate as follows:

Step 1 Connect the computer and the Console port of the switch with the included Console cable.

Step 2 Run the serial interface connection software (such as Putty) on the computer. Enter **115200** in the **Speed** box and select **Serial** as the **Connection type**. Then click **Open** on the lower right corner.

Specifications

Model	G5310P-8-150W	G5328P-24-410W
Port	10/100/1000 Mbps RJ45 Port 9	24
1000 Mbps SFP port	1 Independent SFP port	4 Independent SFP ports
Console port	/	1, Baud rate: 115200
Switching mode	Store-and-forward	
MAC address table learning	Auto aging, auto learning	
MAC address table	16K	
Dimensions (L x W x H)	284 mm x 178.6 mm x 44 mm 100 ~ 240V AC, 50/60Hz, 2A max	440 mm x 284 mm x 44 mm 100 ~ 240V AC, 50/60Hz, 6A 2A max
AC input	PoE standard IEEE 802.3af, IEEE 802.3at	PoE power cable core 8 cores: voltage of cores 1, 2, 4, 5 is +, and cores 3, 6, 7, 8 is -
PoE power supply	1 ~ 8 Maximum output power of a single port 30 W Maximum output power of the switch 130 W	1 ~ 24 30 W 370 W
Lightning protection	Common mode: 6 kV Power supply Common mode: 6 kV, Differential mode: 4 kV	
Operating environment	Temperature: 0°C ~ 40°C Humidity: 10% ~ 90% RH, non-condensing	Temperature: 0°C ~ 40°C Humidity: 10% ~ 90% RH, non-condensing
Storage environment	Temperature: -40°C ~ 70°C Humidity: (5% ~ 90%) RH, non-condensing	
Data transmission rate	Ethernet: 10 Mbps (full duplex)/20 Mbps (full duplex) Fast Ethernet: 100 Mbps (full duplex)/200 Mbps (full duplex) Gigabit Ethernet: 2000 Mbps (full duplex)	
Transmission media	Ethernet: CAT3 UTP/STP or better Fast Ethernet: CAT5 UTP/STP or better Gigabit Ethernet: CAT6 or CAT5 UTP/STP 1000Base-SX-MMF 1000Base-LX-MMF or SFP	
Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z, IEEE 802.14, IEEE 802.1q, IEEE 802.1s, IEEE 802.1x, IEEE 802.1y	

Especificações

Modelo	G5310P-8-150W	G5328P-24-410W
Porta	Porta RJ45 10/100/1000 Mbps 9	24
Porta SFP 1000 Mbps	1 porta SFP independente	4 portas SFP independentes
Porta de console	/	1, Taxa de Baud: 115200
Modo de comutação	Guardar e reencaminhar	
Aprendizagem de endereços MAC	Guardar e aprender automaticamente	
Tabela de endereços MAC	16K	
Dimensões (L x A x H)	284 mm x 178,6 mm x 44 mm 100 ~ 240 V AC, 50/60 Hz, 2 A máximo	440 mm x 284 mm x 44 mm 100 ~ 240 V AC, 50/60 Hz, 6 A 2 A máximo
Entrada CA	Norma PoE IEEE 802.3af, IEEE 802.3at	Norma PoE IEEE 802.3af, IEEE 802.3at
Forma de alimentação PoE	1-8 Saída máxima de energia por porta 30 W Saída máxima do comutador 130 W	1-24 30 W 370 W
Proteção contra raios	Porta RJ45 Fonte de energia	
Ambiente operacional	Modo comum: 6 kV, Modo diferencial: 4 kV	
Temperatura: 0°C ~ 40°C Humidade: 10% ~ 90% de HR, sem condensação		Temperatura: 0°C ~ 40°C Humidade: 10% ~ 90% de HR, sem condensação
Temperatura: -40°C ~ 70°C Humidade: (5% ~ 90%) de HR, sem condensação		
Taxa de transmissão de dados	Ethernet: 10 Mbps (duplex pleno)/20 Mbps (duplex dividido) Fast Ethernet: 100 Mbps (duplex pleno)/200 Mbps (duplex dividido) Gigabit Ethernet: 2000 Mbps (duplex dividido)	
Método de transmissão	Ethernet: CAT3 UTP/STP ou melhor Fast Ethernet: CAT5 UTP/STP ou melhor Gigabit Ethernet: CAT6 ou CAT5 UTP/STP 1000Base-SX-MMF 1000Base-LX-MMF ou SFP	
Normas	IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z, IEEE 802.14, IEEE 802.1q, IEEE 802.1s, IEEE 802.1x, IEEE 802.1y	

Характеристики

Модель	G5310P-8-150W	G5328P-24-410W
Интерфейсы	Порт RJ45 10/100/1000 Mbps 9	24
Консольный порт	/	1, Скорость в битах: 115200
Режимы переключения	Хранение и пересылка пакетов	
Изучение MAC-адресов	Автоматическое старение, автоматическое обучение	
Таблица MAC-адресов	16K	
Размеры (Д x Ш x В)	284 мм x 178,6 мм x 44 мм 100 ~ 240 В AC, 50/60 Гц, 2 А макс.	440 мм x 284 мм x 44 мм 100 ~ 240 В AC, 50/60 Гц, 6 А макс.
Вход переменного тока	Стандарт PoE IEEE 802.3af, IEEE 802.3at	Стандарт PoE IEEE 802.3af, IEEE 802.3at
Энергопитание PoE	1-8 Максимальная выходная мощность на порт 30 Вт Максимальная выходная мощность коммутатора 130 Вт	1-24 30 Вт 370 Вт
Молниезащита	Порт RJ45 Источник питания	
Обычный режим: 6 kV Дифференциальный режим: 4 kV		
Рабочая среда	Температура: 0°C ~ 40°C Влажность: 10% ~ 90% RH, не конденсирующая	Температура: 0°C ~ 40°C Влажность: 10% ~ 90% RH, не конденсирующая
Условия хранения	Температура: -40°C ~ 70°C Влажность: (5-90%) RH, не конденсирующая	
Скорость передачи информации	Ethernet: 10 Mbps (полнодуплекс)/20 Mbps (полнодуплекс) Fast Ethernet: 100 Mbps (полнодуплекс)/200 Mbps (полнодуплекс) Gigabit Ethernet: 2000 Mbps (полнодуплекс)	
Средства передачи	Ethernet: Cat3 UTP/STP или лучше Fast Ethernet: Cat5 UTP/STP или лучше Gigabit Ethernet: Cat5e или Cat6 UTP/STP 1000Base-SX-MMF 1000Base-LX-MMF или SFP	
Стандарты	IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z, IEEE 802.14, IEEE 802.1q, IEEE 802.1s, IEEE 802.1x, IEEE 802.1y	

Русский

Спецификации

Модель	G5310P-8-150W	G5328P-24-410W
Порт	10/100/1000 Mbps RJ45 Port 9	24
1000 Mbps SFP port	1 Independent SFP port	4 Independent SFP ports
Console port	/	1, Speed in baud: 115200
Switching mode	Store-and-forward	
MAC address table learning	Auto aging, auto learning	
MAC address table	16K	
Dimensions (L x W x H)	284 mm x 178.6 mm x 44 mm 100 ~ 240V AC, 50/60Hz, 2 A max	440 mm x 284 mm x 44 mm 100 ~ 240V AC, 50/60Hz, 6 A max
AC input	PoE standard IEEE 802.3af, IEEE 802.3at	PoE power cable core 8 cores: the voltage of the cores 1, 2, 4, 5 is "+", and the cores 3, 6, 7, 8 is "-"
PoE specification	1-8 Maximum output power of a single port 30 W Maximum output power of the switch 130 W	1-24 30 W 370 W
Lightning protection	RJ45 port Power supply	
Common mode: 6 kV Differential mode: 4 kV		
Working environment	Temperature: 0°C ~ 40°C Humidity: 10% ~ 90% RH, non-condensing	Temperature: 0°C ~ 40°C Humidity: 10% ~ 90% RH, non-condensing
Storage environment	Temperature: -40°C ~ 70°C Humidity: (5-90%) RH, non-condensing	
Speed of data transmission	Ethernet: 10 Mbps (full duplex)/20 Mbps (half duplex) Fast Ethernet: 100 Mbps (full duplex)/200 Mbps (full duplex) Gigabit Ethernet: 2000 Mbps (full duplex)	
Media transmission	Ethernet: Cat3 UTP/STP or better Fast Ethernet: Cat5 UTP/STP or better Gigabit Ethernet: Cat5e or Cat6 UTP/STP 1000Base-SX-MMF 1000Base-LX-MMF or SFP	
Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z, IEEE 802.14, IEEE 802.1q, IEEE 802.1s, IEEE 802.1x, IEEE 802.1y	

Български

Spezifikationen

Model	G5310P-8-150W	G5328P-24-410W
Port	10/100/1000 Mbps RJ45-Port 9	24
1000 Mbps SFP-Port	1 Unabhängiger SFP-Port	4 unabhängige SFP-Ports
Konsolen-Anschluss	/	1, Baudrate: 115200
Leistung	MAC-Adressenwechsel MAC-Adressentabelle lernen	Speichern und weiterleiten Automatisches Altern, automatisches Lernen
MAC-Adressentabelle	16K	
Abmessungen (L x B x H)	284 mm x 178,6 mm x 44 mm 100 ~ 240 V AC, 50/60 Hz, 2 A max	440 mm x 284 mm x 44 mm 100 ~ 240 V AC, 50/60 Hz, 6 A max
AC-Eingang	PoE-Standard IEEE 802.3af, IEEE 802.3at	PoE-Kabelkern 8 Adressen: Spannung der Kerne 1, 2, 4, 5 ist "+", bei den Kernen 3, 6, 7, 8 ist "-"
PoE-Spezifikationen	1-8 Maximale Leistung eines einzelnen Ports 30 W Maximale Leistung vom Switch 130 W	1-24 30 W 370 W
Blitzschutz	RJ45-Port Stromversorgung	
Normaler Modus: 6 kV Differenzialmodus: 4 kV		
Betriebsumgebung	Temperatur: 0°C ~ 40°C Luftfeuchtigkeit: 10% ~ 90% RH, nicht kondensierend	Temperatur: 0°C ~ 40°C Luftfeuchtigkeit: 10% ~ 90% RH, nicht kondensierend
Lagerumgebung	Temperatur: -40°C ~ 70°C Feuchtigkeit: (5-90%) RH, nicht kondensierend	
Datenübertragungsrate	Ethernet: 10 Mbps (voll-duplex)/20 Mbps (halb-duplex) Fast Ethernet: 100 Mbps (voll-duplex)/200 Mbps (voll-duplex) Gigabit Ethernet: 2000 Mbps (voll-duplex)	
Übertragungsmedium	Ethernet: Cat3 UTP/STP oder besser Fast Ethernet: Cat5 UTP/STP oder besser Gigabit Ethernet: Cat5e oder Cat6 UTP/STP 1000Base-SX-MMF 1000Base-LX-MMF oder SFP	
Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z, IEEE 802.14, IEEE 802.1q, IEEE 802.1s, IEEE 802.1x, IEEE 802.1y	

Deutsch

Specifiche

Modello	G5310P-8-150W	G5328P-24-410W
Porte	Porta RJ45 10/100/1000 Mbps 9	24
Porta SFP 1000 Mbps	1 porta SFP indipendente	4 porta SFP indipendenti
Porta console	/	1, Velocità in baud: 115200
Modalità switching	Store-and-forward	
Aprendizagem de endereços MAC	Auto envelhecimento, auto aprendizado	
Tabela de endereços MAC	16 K	
Dimensões (L x P x A)	284 mm x 178,6 mm x 44 mm 100 ~ 240 V AC, 50/60 Hz, 2 A máx.	440 mm x 284 mm x 44 mm 100 ~ 240 V AC, 50/60 Hz, 6 A máx.
Ingresso CA	PoE padrão IEEE 802.3af e IEEE 802.3at	PoE núcleo do cabo de alimentação PoE 8 condutores: tensão dos fios 1, 2, 4, 5 é +, e a dos outros fios é -, 3, 6, 7, 8 é -
Alimentação PoE	1-8 Potência máxima de uma única porta 30 W Potência máxima do interruptor 130 W	1-24 30 W 370 W
Proteção contra raios	Porta RJ45 Alimentação	
Modo comum: 6 kV Modo diferencial: 4 kV		
Ambiente operativo	Temperatura: 0°C ~ 40°C Umidade: 10% ~ 90% UR, sem condensação	Temperatura: 0°C ~ 40°C Umidade: 10% ~ 90% UR, sem condensação
Ambiente di immagazzinaggio	Temperatura: -40°C ~ 70°C Umidade: (5% ~ 90%) UR, senza condensazione	
Velocità di trasmissione	Ethernet: 10 Mbps (duplex completo)/20 Mbps (duplex diviso) Fast Ethernet: 100 Mbps (duplex completo)/200 Mbps (duplex diviso) Gigabit Ethernet: 2000 Mbps (duplex completo)	
Mezzi di trasmissione	Ethernet: Cat3 UTP/STP o superiore Fast Ethernet: Cat5 UTP/STP o superiore Gigabit Ethernet: Cat5e o Cat6 UTP/STP 1000Base-SX-MMF 1000Base-LX-MMF o SFP	
Standard	IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z, IEEE 802.14, IEEE 802.1q, IEEE 802.1s, IEEE 802.1x, IEEE 802.1y	

Specifikáció

Model	G5310P-8-150W	G5328P-24-410W
Portok	10/100/1000 Mbps RJ45 Port 9	24
1000 Mbps SFP port	1 Independent SFP port	4 Independent SFP ports
Konszol csatlakozás	/	1, átviteli sebesség: 115200
Átviteli mód	Tárolás és továbbítás	
MAC címkezés tanulás	Automatikus elhasználás, automatikus tanulás	
MAC címke táblázat</		