

Quick Installation Guide

L3 Managed Switch
G5324-16F

Package contents

- Switch x 1
- Power cord x 1
- Console cable x 1
- L-shaped bracket x 2
- Footpad x 4
- Screw (KM3*8 mm) x 8
- Quick installation guide x 1

This guide instructs how to install, connect and log in to the device. For more details, please download the user guide of the device on the official website.

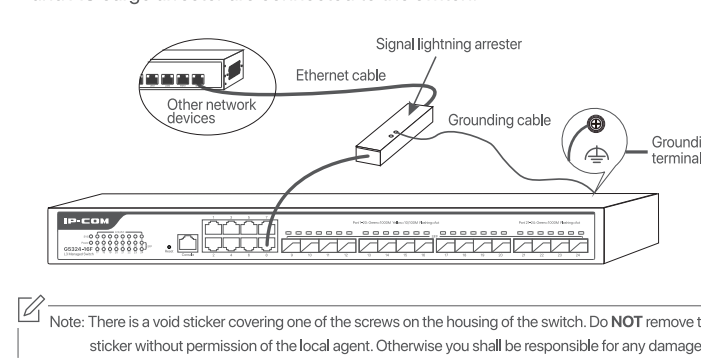
1 Install the device

1.1 Safety precautions

Before performing an operation, read the operation instructions and precautions to be taken, and follow them to prevent accidents. The warning and danger items in other documents do not cover all safety precautions that must be followed. They are only supplementary information, the installation and maintenance personnel need to understand the basic safety precautions to be taken.

- Do not use this apparatus near water.
- Clean only with dry cloth.
- Do not block any ventilation openings, such as newspapers, table-cloth, curtains, etc.
- Do not install near any heat sources such as radiators, heat registers, stoves or other apparatus that produce heat.
- Do not damage the ground conductor or operate the device in the absence of well installed ground conductor. Conduct the appropriate electrical inspection.
- Protect the power cord from being walk on or pinched particularly at the plugs; convenience receptacles and at the point where they exit from the apparatus.
- Only use attachments/accessories specified by the manufacturer.
- Unplug this apparatus during lightning storms or when unused for long periods of time.
- Mains plug is used as the disconnect device, the disconnect device shall remain readily operable.
- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- Warning: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. The apparatus shall not be exposed to dripping or splashing.

- Warning: To reduce the risk of electric shock, do not remove cover as there are no user-serviceable parts inside. Refer servicing to qualified personnel.
- If an outdoor cable is required, check whether the signal lightning armerster and AC surge armerster are connected to the switch.



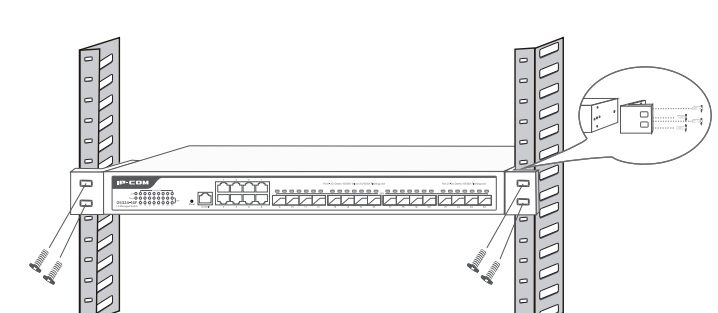
Note: There is a void sticker covering one of the screws on the housing of the switch. Do NOT remove the sticker without permission of the local agent. Otherwise you shall be responsible for any damage.

1.2 Preparation for installation

- You shall prepare the following tools and materials for device installation.
- Rack mounting: ESD bracelet (or ESD gloves), screwdrivers, 4 screws (P45*25 mm, head diameter: 10 mm)
 - Desktop mounting: ESD bracelet (or ESD gloves)
 - Wall mounting: ESD bracelet (or ESD gloves), marker, hammer drill, rubber hammer, screwdriver, 4 expansion bolts (M5*40 mm), 4 screws (P45*25 mm, head diameter: 10 mm)

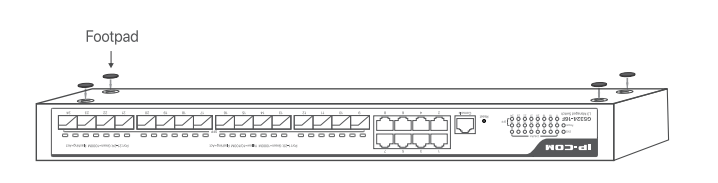
1.3 Installation

- Rack mounting (to a standard 19-inch rack)**
 - Ensure that the rack is stable and level, and is properly grounded.
 - Fix the two L-shaped brackets to both sides of the switch with the included screws.
 - Choose a proper height and fix the L-shaped brackets to the rack with screws (self-prepared). Ensure that the switch is stable on the rack.



Desktop mounting

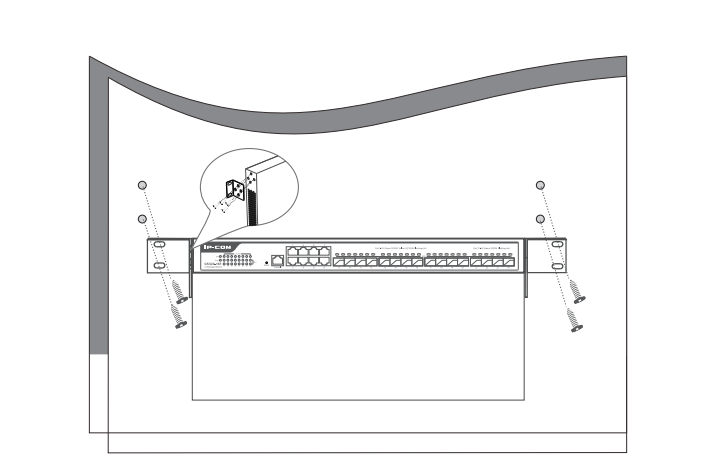
- Paste the four footpads to the four recesses on the bottom of the switch. Then turn the switch upside down, and place it on a big enough, clean, stable and flat desktop.



Wall mounting

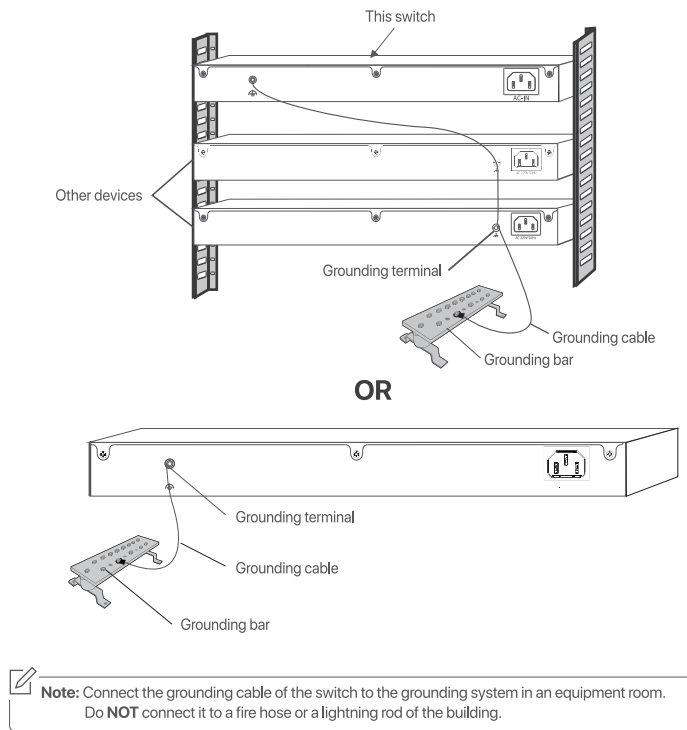
- Note: Do NOT install the switch with its air vents facing downward; otherwise, this will be potential safety hazards.
- This switch can only be installed on a concrete or non-flammable wall.

- Rotate the two L-shaped brackets by 90 degrees and fix them to both sides of the switch with the included screws.
- Place the switch horizontally onto the wall with its RJ45 ports facing upward. Then mark the screw holes on the wall with a marker.
- Drill holes in the marked positions, and then hammer the expansion bolts (self-prepared, M5*40 mm) into the holes.
- Insert the screws (self-prepared, P45*25 mm, head diameter: 10 mm) through the holes of the two L-shaped brackets, and secure the screws into the expansion bolts with a screwdriver. Ensure that the switch is installed firmly with its RJ45 ports facing upward.



1.4 Grounding

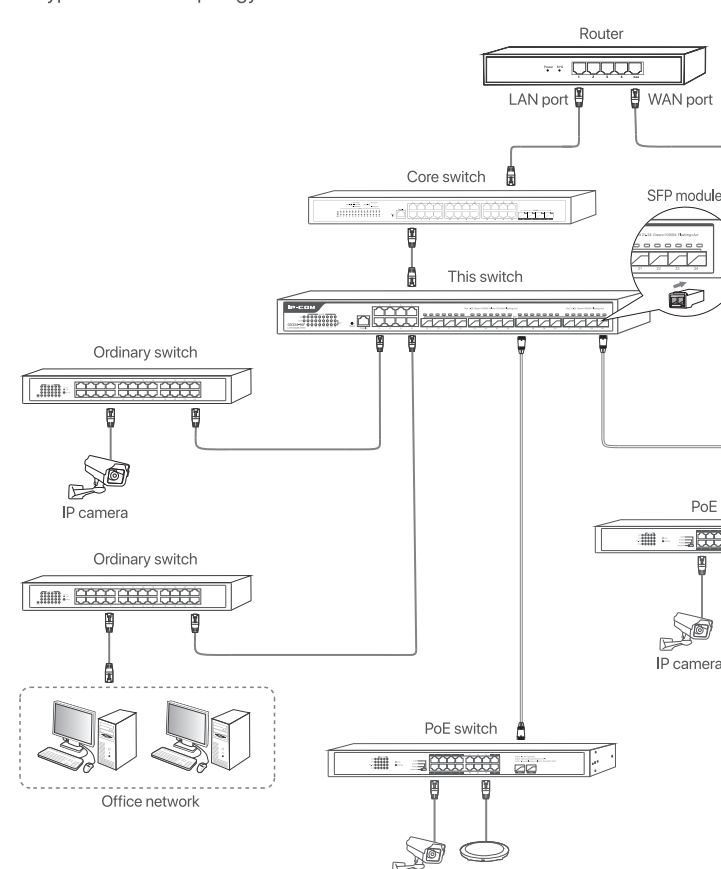
- Connect one end of the grounding cable to the grounding terminal of the switch.
- Connect the other end of the grounding cable to the binding post on the grounding bar or to another grounded device.



Note: Connect the grounding cable of the switch to the grounding system in an equipment room. Do NOT connect to a fire hose or lightning rod of the building.

2 Connect the device

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



After connection, please check whether the switch is connected properly according to the following table.

LED indicator	Description
SYS	Blinking: The system works properly. Steady: The system is not working properly. OFF: The system is starting up or not working properly.
Power	Steady: The switch is powered on properly. OFF: The switch is not powered on, or not powered on properly.
LINKACT1-B1 SFP (P - 20)	Steady: The port is connected to a device, but no data is being transmitted over the port. Blinking: The port is connected to a device, and data is being transmitted over the port. OFF: The port is not connected or is not connected properly. A green light indicates that the rate of the port is 1000 Mbps, while a yellow light indicates a rate of 10 Mbps or 100 Mbps.
SFP (21 + 24)	Steady: The port is connected to a device, but no data is being transmitted over the port. Blinking: The port is connected to a device, and data is being transmitted over the port. OFF: The port is not connected or is not connected properly. A green light indicates that the rate of the port is 1000 Mbps.

Tip: The switch supports auto MDI/MDIX. You can use either a straight through cable or a crossover cable to connect the switch to Ethernet devices.

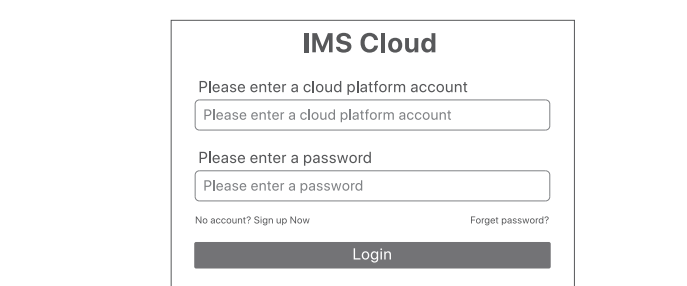
4 IP-COM IMS Cloud management

This switch supports the IMS cloud management function. You can remotely manage the switch through the IP-COM IMS cloud platform.

- Tip: Ensure that the switch can access the internet before configuring the IMS cloud management function.

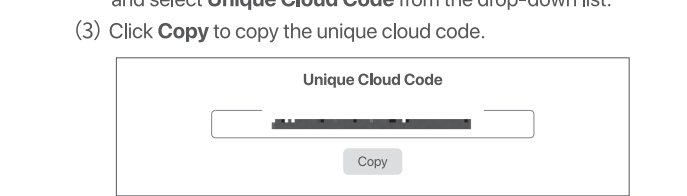
Step 1 Log in to the IP-COM IMS cloud platform, and obtain the unique code.

- Start a web browser on the computer that can access the internet, and visit <https://imsen.ip-com.com.cn>. Enter the login account and password, then click **Login** to enter the configuration page of the IMS cloud platform.



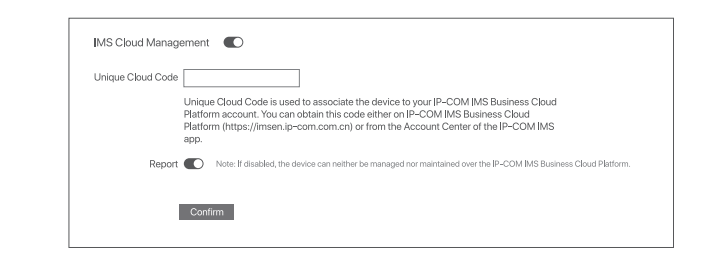
- Tip: If you do not have an account, please sign up first.

- Click the account icon (A) on the upper right corner of the page, and select **Unique Cloud Code** from the drop-down list.
- Click **Copy** to copy the unique cloud code.



Step 2 Enable the IMS Cloud Management function.

- Log in to the web UI of the switch (refer to **3 Log in to web UI of the device**).
- Choose **Device Settings > IMS Cloud**.
- Enable the **IMS Cloud Management** function and paste the unique cloud code in the **Unique Cloud Code** box.
- Enable the **Report function**, and click **Confirm**.



Step 3 Log in to the IMS cloud platform and add the switch to a project.

- Start a web browser and visit <https://imsen.ip-com.com.cn>. Enter the login account and password, then click **Login** to enter the configuration page of the IMS cloud platform.
- Click account icon (A) on the upper right corner of the page, and select **Device-Joining Alert** from the drop-down list.
- Find the switch from the list and add it to a project.

Then you can manage and maintain the switch through the IP-COM IMS cloud platform.

FAQ

1.1 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 lights solid on.
 - Check whether the computer is connected to the switch properly using an Ethernet cable.
 - Check whether the IP address of Ethernet (or Local Area Connection) of the computer is set to **192.168.0.X** (X ranges from 2 to 254 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 192.168.0.1 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 **Reset** button 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.

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

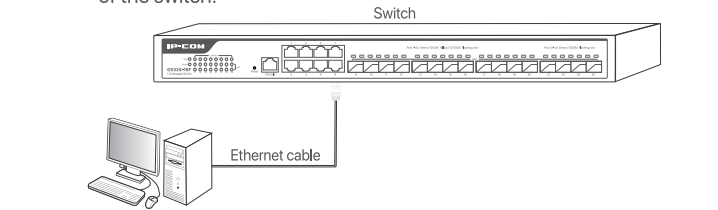
- Try entering the default login user name and password (both are admin). If you still fail to log in to the web UI, reset the switch, then use the default user name and password to log in.

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

- Please operate as follows:
 - Connect the computer and the **Console** port of the switch with the included console port.
 - Run a serial port connection software (such as PuTTY) on the computer. Enter **115200** in the **Speed** box and select **Serial** as the **Connection type**. Then click **Open**.

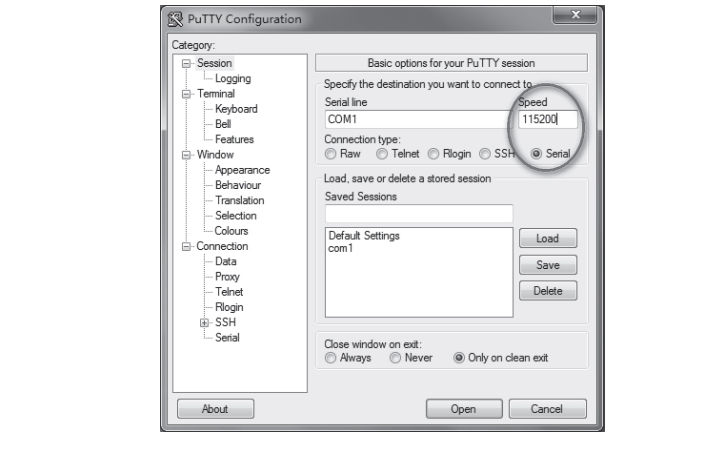
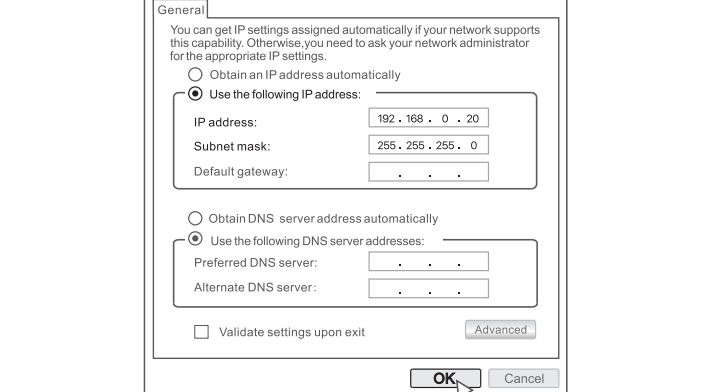
3 Log in to web UI of the device

Step 1 Use an Ethernet cable to connect the computer to one of the ports 1 - 8 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 **192.168.0.1**. You can set the IP address of the computer to **192.168.0.X** (X ranges from 2 to 254 and is not occupied) and the subnet mask to **255.255.255.0**.



Step 3 Press Enter twice and enter the user name and password of the switch (both are admin by default) on the page to enter the command line interface of the switch.



Specifications English

Model	G5324-16F
Port	10/100/1000 Mbps RJ45 port 8 1000 Mbps SFP port 16 independent SFP ports Console port 1
Performance	Switching mode Store-and-forward MAC address table learning Auto learning, auto aging MAC address table 16 K
Dimensions (L x W x H)	440 mm x 178.6 mm x 44 mm
Input voltage	100 ~ 240 V AC, 50/60Hz, 1.5 A
Lightning protection	RJ45 port (1 - 8) Power supply Common mode: 6 kV Common mode: 6 kV Differential mode: 4 kV
Storage environment	Temperature: 0°C ~ 45°C Humidity: (5% ~ 90%) RH, non-condensing
Operating environment	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) Gigabit Ethernet: 2000 Mbps (full duplex)
Transmission media	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 SMF
Network standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3y, IEEE 802.1q, IEEE 802.1s, IEEE 802.1w, IEEE 802.1x

Характеристики Русский

Модель	G5324-16F
Порт	Порт RJ45 10/100/1000 Мбит/с 8 Порт SFP 1000 Мбит/с 16 независимых SFP портов Консольный порт 1
Выполнение	Режимы переключения Сохранение и дальнейшая передача Изучение MAC-адресов Автоматическое старение, автоматическое обучение Таблица MAC-адресов 16 К
Размеры (Д x Ш x В)	440 мм x 178,6 мм x 44 мм
Входное напряжение	100~240 В перемен. тока, 50/60 Гц, 1,5 А
Мониторинг	Порт RJ45 (1 - 8) Источники питания Обычный режим: 6 kV, Дифференциальный режим: 4 kV
Рабочая среда	Температура: 0°C ~ 45°C Влажность: (5%~90%) RH, неконденсирующая
Условия хранения	Температура: -40°C ~ 70°C Влажность: (5%~90%) RH, неконденсирующая
Скорость передачи информации	Ethernet: 10 Мбит/с (полудуплекс) / 20 Мбит/с (полдуплекс) 200 Мбит/с (полдуплекс) Fast Ethernet: 100 Мбит/с (полдуплекс) / 200 Мбит/с (полдуплекс) Gigabit Ethernet: 2000 Мбит/с (полдуплекс)
Средства передачи	Ethernet: Кабель CAT3 UTP/STP или лучше Fast Ethernet: Кабель CAT5 UTP/STP или лучше Gigabit Ethernet: Кабель CAT5e или CAT6 UTP/STP 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 802.1q, IEEE 802.1s, IEEE 802.1w, IEEE 802.1x

Спецификации Български

Модел	G5324-16F
Порт	10/100/1000 Мбит/с RJ45-порт 8 1000 Мбит/с SFP-порт 16 независими SFP порта Конзолен порт 1
Технически показатели	Режими на превключване Съхраняване и протрещане Обучение на MAC адреси Автоматично старение на стартери MAC адреси Таблица с MAC адреси 16 К
Размери (Д x Ш x В)	440 mm x 178,6 mm x 44 mm
Входно напрежение	100 ~ 240 V AC, 50/60 Hz, 1.5 A
Мониторинг	RJ45 порт (1 - 8) Зарядване Общ режим: 6 kV, Диференциален режим: 4 kV
Работна среда	Температура: 0°C ~ 45°C Влажност: (5% ~ 90%) RH, некондензиращ
Среда за съхранение	Температура: -40°C ~ 70°C Влажност: (5% ~ 90%) RH, некондензиращ
Скорост на предаване на данни	Ethernet: 10 Мбит/с (полудуплекс) / 20 Мбит/с (полдуплекс) Fast Ethernet: 100 Мбит/с (полдуплекс) / 200 Мбит/с (полдуплекс) Gigabit Ethernet: 2000 Мбит/с (полдуплекс)
Носители за предаване	Ethernet: CAT3 UTP/STP или по-добро Fast Ethernet: CAT5 UTP/STP или по-добро Gigabit Ethernet: CAT5e или CAT6 UTP/STP 1000Base-SX, MMF 1000Base-LX, MMF или SMF
Мрежови стандарти	IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3y, IEEE 802.1q, IEEE 802.1s, IEEE 802.1w, IEEE 802.1x

Spezifikationen Deutsch

Modell	G5324-16F
Port	10/100/1000 Mbit/s RJ45-Port 8 1000 Mbit/s SFP-Port 16 unabhängige SFP-Ports Konsolen-Anschluss 1
Leistung	MAC-Adressentabelle lernen Automatisches Altern, automatisches Lernen MAC-Adressentabelle 16 K
Abmessungen (L x B x H)	440 mm x 178,6 mm x 44 mm
Nennspannung	100 ~ 240 V AC, 50/60 Hz, 1.5 A
Überspannungsschutz	RJ45-Port (1 - 8) Stromversorgung Normaler Modus: 6 kV, Differenzialmodus: 4 kV
Betriebsumgebung	Temperatur: 0°C ~ 45°C Luftfeuchtigkeit: (5% ~ 90%) RH, nicht kondensierend
Lagerumgebung	Temperatur: -40°C ~ 70°C Luftfeuchtigkeit: (5% ~ 90%) RH, nicht kondensierend
Datenübertragungsrate	Ethernet: 10 Mbit/s (Halbduplex) / 20 Mbit/s (Voll duplex) Fast Ethernet: 100 Mbit/s (Halbduplex) / 200 Mbit/s (Voll duplex) Gigabit Ethernet: 2000 Mbit/s (Voll duplex)
Übertragungsmethoden	Ethernet: CAT3 UTP/STP-Kabel oder höher Fast Ethernet: CAT5 UTP/STP-Kabel oder höher Gigabit Ethernet: Cat5e oder CAT6 UTP/STP-Kabel 1000Base-SX, MMF 1000Base-LX, MMF oder SMF
Netzwerkstandards	IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3y, IEEE 802.1q, IEEE 802.1s, IEEE 802.1w, IEEE 802.1x

Specifiche Italiano

Modello	G5324-16F
Porte	Porta RJ45 10/100/1000 Mbps 8 Porta SFP 1000 Mbps 16 porte SFP indipendenti Porta da console 1
Prestazioni	Modalità switching Store-and-forward Apprendimento degli indirizzi MAC Auto investimento, auto apprendimento Tabelle degli indirizzi MAC 16 K
Dimensioni (L x P x A)	440 mm x 178,6 mm x 44 mm
Tensione di ingresso	100 ~ 240 V AC, 50/60 Hz, 1.5 A
Protezione contro i fulmini	Porta RJ45 (1 - 8) Alimentazione Modulo comune: 6 kV, Modalità differenziale: 4 kV
Ambiente operativo	Temperatura: 0°C ~ 45°C Umidità: (5% ~ 90%) UR, senza condensa
Ambiente di immagazzinaggio	Temperatura: -40°C ~ 70°C Umidità: (5% ~ 90%) UR, senza condensa
Velocità di trasmissione dati	Ethernet: 10 Mbps (half duplex) / 20 Mbps (full duplex) Fast Ethernet: 100 Mbps (half duplex) / 200 Mbps (full duplex) Gigabit Ethernet: 2000 Mbps (full duplex)
Mezzi di trasmissione	Ethernet: Cabo CAT3 UTP/STP o superior Fast Ethernet: Cabo CAT5 UTP/STP o superior Gigabit Ethernet: Cabo CAT5e o CAT6 UTP/STP 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 802.1q, IEEE 802.1s, IEEE 802.1w, IEEE 802.1x

Especificações Português

Modelo	G5324-16F
Porta	Porta RJ45 10/100/1000 Mbps 8 Porta SFP 1000 Mbps 16 portas SFP independentes Porta da consola 1
Desempenho	Modo de comutação Store-and-forward Aprendizagem de endereços MAC Envelhecimento automático, aprendizagem automática Tabela de endereços MAC 16 K
Dimensões (C x L x A)	440 mm x 178,6 mm x 44 mm
Tensão de entrada	100~240V AC, 50/60Hz, 1.5 A
Proteção contra raios	Porta RJ45 (1 - 8) Fonte de energia Modo comum: 6 kV, Modo diferencial: 4 kV
Ambiente operacional	Temperatura: 0°C ~ 45°C Humidade: (5% ~ 90%) de HR, sem condensação
Ambiente de armazenamento	Temperatura: -40°C ~ 70°C Humidade: (5% ~ 90%) de HR, sem condensação
Taxa de transmissão de dados	Ethernet: 10 Mbps (half duplex) / 20 Mbps (full duplex) Fast Ethernet: 100 Mbps (half duplex) / 200 Mbps (full duplex) Gigabit Ethernet: 2000 Mbps (full duplex)
Meios de transmissão	Ethernet: Cabo CAT3 UTP/STP ou superior Fast Ethernet: Cabo CAT5 UTP/STP ou superior Gigabit Ethernet: Cabo CAT5e ou CAT6 UTP/STP 1000Base-SX, MMF 1000Base-LX, MMF ou SMF
Padrões de rede	IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3y, IEEE 802.1q, IEEE 802.1s, IEEE 802.1w, IEEE 802.1x

Especificaciones Español

Modelo	G5324-16F
Puerto	Puerto RJ45 de 10/100/1000 Mbps 8 Puerto SFP de 1000 Mbps 16 puertos SFP independientes Puerto de consola 1
Modo de comunicación	Almacén y retransmisión
Rendimiento	Aprendizaje de direcciones MAC Aprendizamiento automático, aprendizaje automático Tabla de direcciones MAC 16 K
Dimensiones (L x An x Al)	440 mm x 178,6 mm x 44 mm
Voltaje de entrada	100 ~ 240 V AC, 50/60 Hz, 1.5 A
Protección contra rayos	Puerto RJ45 (1 - 8) Fuente de alimentación Modo común: 6 kV, Modo diferencial: 4 kV
Entorno de funcionamiento	Temperatura: 0°C ~ 45°C Humedad: (5% ~ 90%) RH, sin condensación
Entorno de almacenamiento	Temperatura: -40°C ~ 70°C Humedad: (5% ~ 90%) RH, sin condensación
Velocidad de transmisión de datos	Ethernet: 10 Mbps (semiduplex) / 20 Mbps (duplex completo) Fast Ethernet: 100 Mbps (semiduplex) / 200 Mbps (duplex completo) Gigabit Ethernet: 2000 Mbps (duplex completo)
Medios de transmisión	Ethernet: Cable CAT3 UTP/STP o superior Fast Ethernet: Cable CAT5 UTP/STP o superior Gigabit Ethernet: Cable CAT5e o CAT6 UTP/STP 1000Base-SX, MMF 1000Base-LX, MMF o SMF
Estándares de red	IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3y, IEEE 802.1q, IEEE 802.1s, IEEE 802.1w, IEEE 802.1x

Spécifications Français

Modèle	G5324-16F
Port	Port RJ45 10/100/1000 Mbps 8 Port SFP 1000 Mbps 16 ports SFP indépendants Port de la console 1
Performance	Stockage et transmission Apprentissage des adresses MAC Auto vieillissement, auto apprentissage Tableau des adresses MAC 16 K
Dimensions (L x l x H)	440 mm x 178,6 mm x 44 mm
Tension d'entrée	100 ~ 240V AC, 50/60Hz, 1.5A
Protection contre la foudre	Port RJ45 (1 - 8) Alimentation électrique Mode commun : 6 kV, Mode différentiel : 4 kV
Environnement opérationnel	Température: 0°C ~ 45°C Humidité: (5% ~ 90%) RH, non-condensant
Environnement de stockage	Température: -40°C ~ 70°C Humidité: (5% ~ 90%) RH, non-condensant
Taux de transmission des données	Ethernet: 10 Mbps (semi duplex) / 20 Mbps (duplex intégral) Fast Ethernet: 100 Mbps (semi duplex) / 200 Mbps (duplex intégral) Gigabit Ethernet: 2000 Mbps (duplex intégral)
Support de transmission	Ethernet: CAT3 UTP/STP ou supérieur Fast Ethernet: Cable CAT5 UTP/STP ou supérieur Gigabit Ethernet: Cable CAT5e ou CAT6 UTP/STP 1000Base-SX, MMF 1000Base-LX, MMF ou SMF
Normes réseau	IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab,