IP-COM

Quick Installation Guide

L3 Managed Switch With 4-Port 10G SFP+
G5328X

Package contents

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

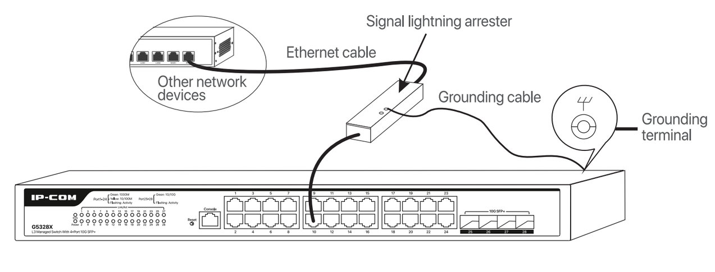
This guide instructs how to install, connect and log in to the device. For details, please download the user guide of the device.

1 Device installation

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 the 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.

1. Do not use this apparatus near water.
2. Clean only with dry cloth.
3. Do not block any ventilation openings, such as newspapers, table-cloth, curtains, etc.
4. Do not install near any heat sources such as radiators, heat registers, stoves or other apparatus that produce heat.
5. Do not damage the ground conductor or operate the device in the absence of well installed ground conductor. Conduct the appropriate electrical inspection.
6. 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.
7. Only use attachments/accessories specified by the manufacturer.
8. Unplug this apparatus during lighting storms or when unused for long periods of time.
9. Mains plug is used as the disconnect device, the disconnect device shall remain readily operable.
10. 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.
11. 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.
12. Warning: To reduce the risk of electric shock, do not remove cover as there no user-serviceable parts inside. Refer servicing to qualified personnel.
13. If an outdoor cable is required, check whether the signal lightning arrester 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 of the local agent. Otherwise you shall be responsible for any damage.

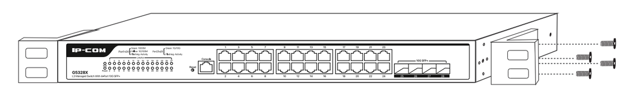
1.2 Preparation for installation

- Rack mounting: ESD bracelet or gloves, screwdriver, 4 screws (suitable for securing the switch to the rack)
- Wall mounting: ESD bracelet or gloves, marker, hammer drill, rubber hammer, screwdriver, 4 expansion bolts (M5*40 mm), 4 screws (PA5*25 mm, head diameter: 10 mm)
- Desktop mounting: ESD bracelet or gloves

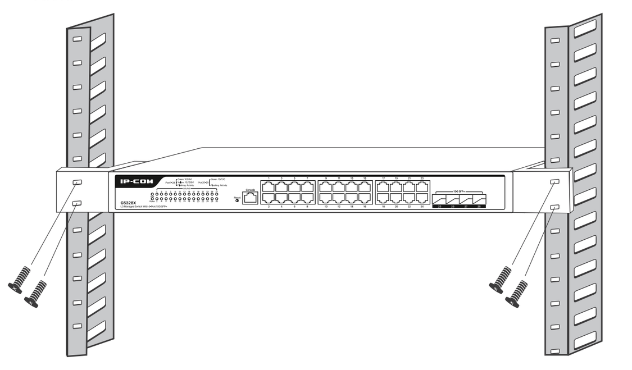
1.3 Installation

• Rack mounting (mount to a standard 19-inch rack)

Step 1 Ensure that the rack is stable and level, and is properly grounded.
Step 2 Fix the 2 L-shaped brackets to both sides of the switch with the included screws.



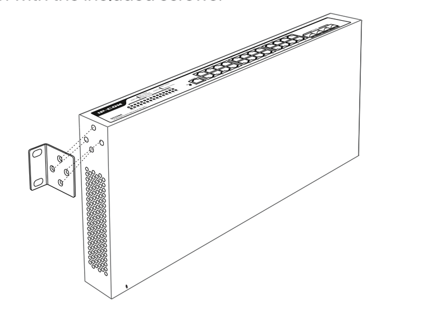
Step 3 Mount the switch at a proper height on the rack and fix the L-shaped brackets to the rack with screws (self-prepared). Ensure that the switch is stable on the rack.



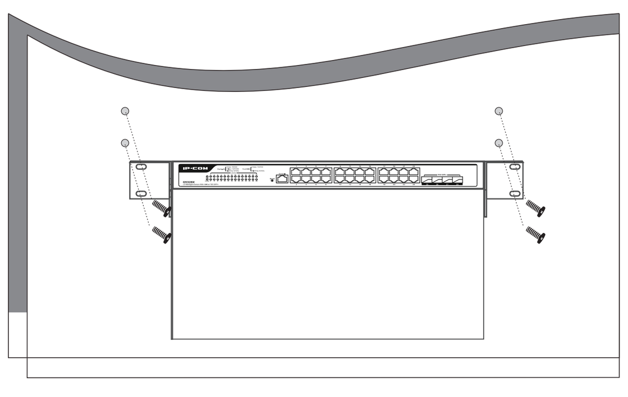
• Wall mounting

Note: - Do **NOT** install the switch with its ventilation openings facing down, otherwise there will be potential safety hazards.
- This switch can only be installed on a concrete or non-flammable wall.

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

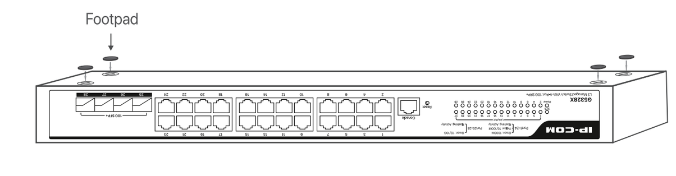


Step 2 Place the switch horizontally onto the wall with its RJ45 ports facing upward, and then mark the positions of the screw holes with the marker.
Step 3 Drill holes in the marked positions, and then hammer the expansion bolts (self-prepared, M5*40 mm) into the holes.
Step 4 Use a screwdriver to secure the screws (self-prepared, PA5*25 mm, head diameter: 10 mm) passing through the L-brackets into the expansion bolts. Ensure that the switch is installed firmly with its RJ45 ports facing upward.



• Desktop mounting

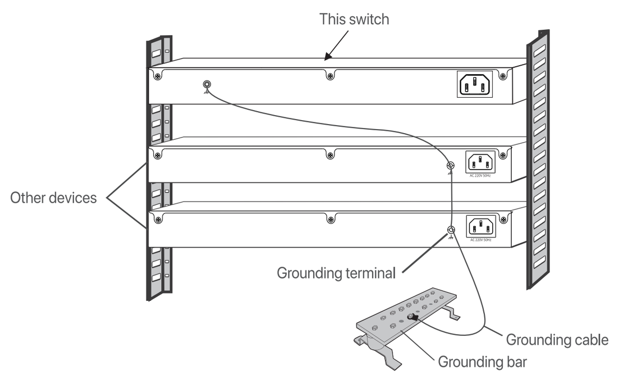
Paste the four footpads to the corresponding four recesses on the bottom of the switch. Then turn the switch upside down, and place it on a big enough, clean, stable and flat desktop.



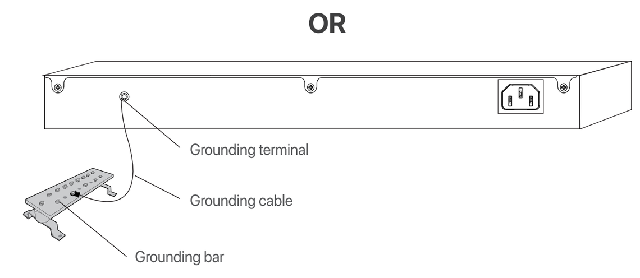
1.4 Grounding

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.



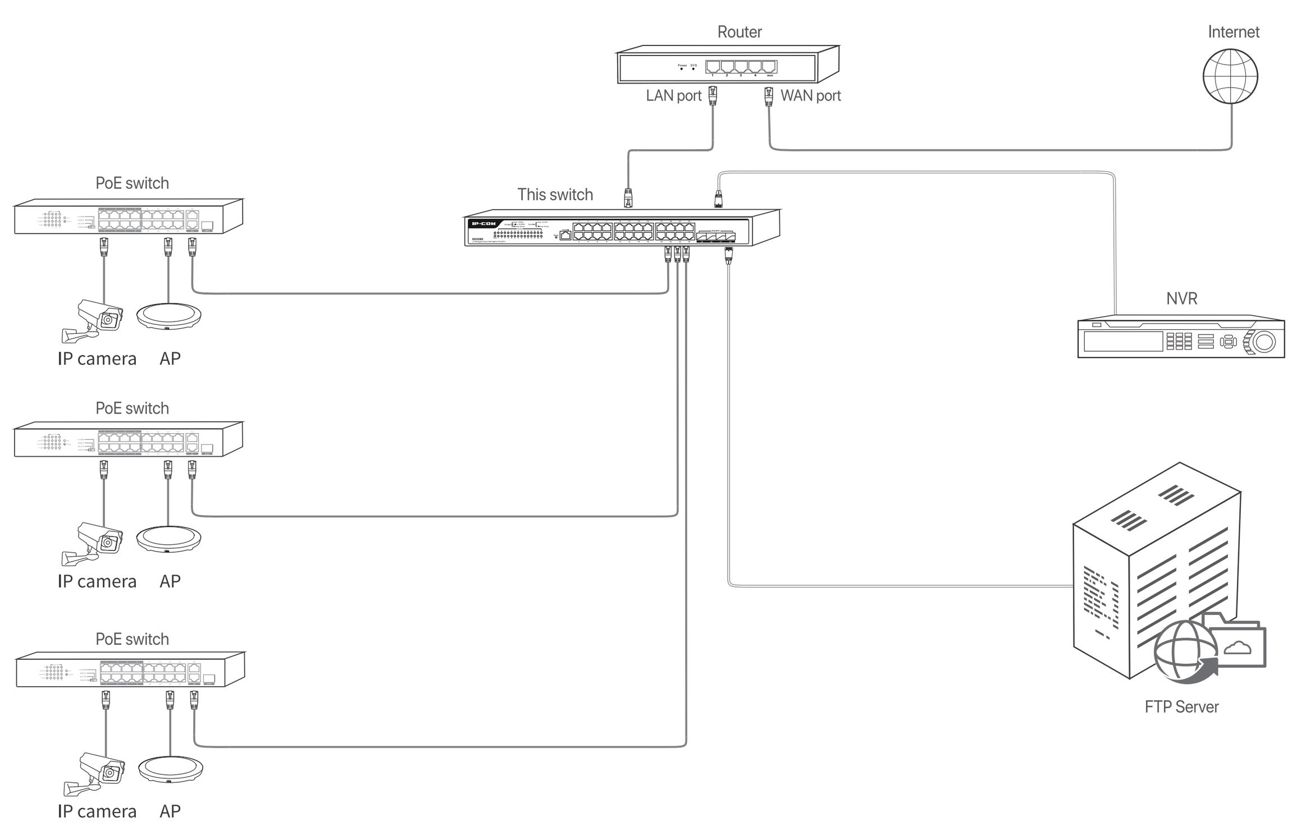
OR



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

2 Device connection

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



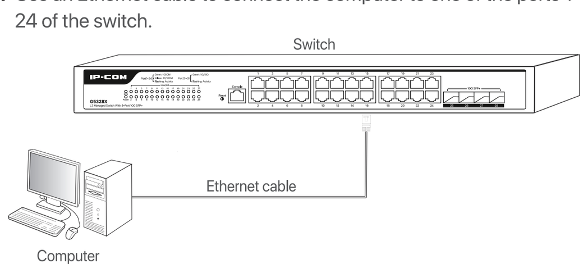
After connection, please check whether the switch is connected properly according to the following table.

LED indicator	Description
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 (1 - 24)	**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, while orange light indicates a rate of 10 Mbps or 100 Mbps.
Link/Act (25 - 28)	**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.

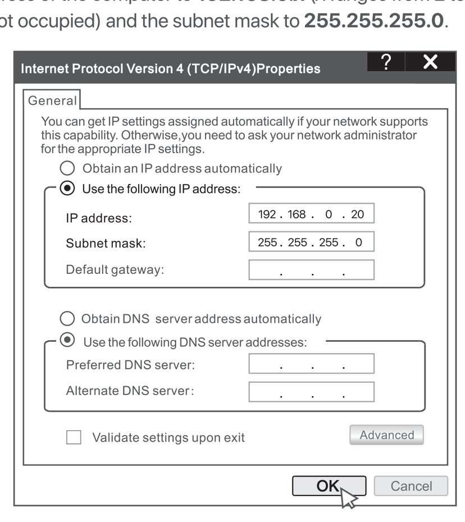
Tips
The switch supports auto MDI/MDIX, so both a straight cable or a crossover cable can be used to connect the switch to Ethernet devices.

3 Login

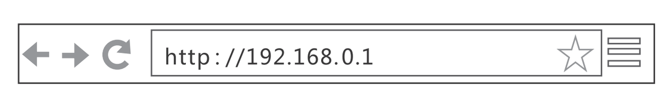
Step 1 Use an Ethernet cable to connect the computer to one of the ports 1 - 24 of the switch.



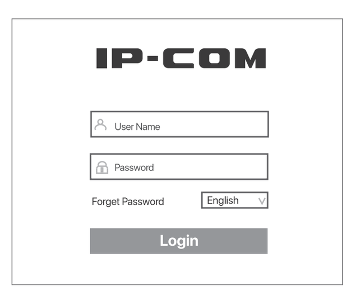
Step 2 Set the IP address of Ethernet (or Local Area Connection) of the computer to the same network segment of the switch's IP address. The default IP address of the switch is **192.168.0.1**. You can set the IP address of the computer to **192.168.0.*X*** (*X* ranges from 2 to 254 and is not occupied) and the subnet mask to **255.255.255.0**.



Step 3 Start a web browser (such as Chrome) on the computer, and enter the default IP address of the switch (default: **192.168.0.1**) in the address bar, and press **Enter** on the keyboard.



Step 4 Enter the login user name and password (both are **admin** by default) on the login page of the switch, 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?

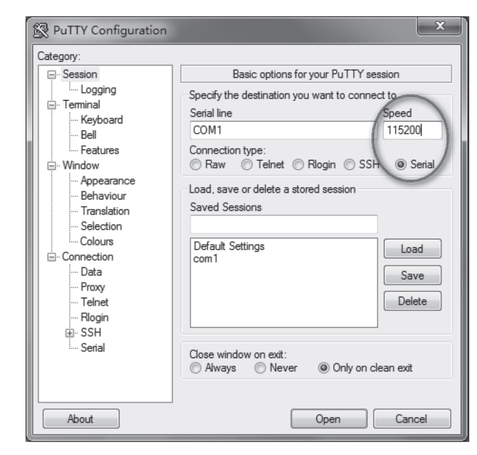
Try the following solutions:
- Check whether the switch is powered on properly: The **Power** LED indicator is solid on.
- Check whether the computer is connected to the switch properly with an Ethernet cable.
- Check whether the IP address of Ethernet (or Local Area Connection) of the computer is set 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. 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:
Step 1 Connect the computer and the Console port of the switch with the included console cable.
Step 2 Run a 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**.



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.

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Specifications — English

Model		G5328X
Port	10/100/1000 Mbps RJ45 port	24
	10000 Mbps SFP+ port	4 independent SFP+ ports
	Console port	1; Baud rate: 115200
Performance	Switching mode	Store-and-forward
	MAC address table learning	Auto aging, auto learning
	MAC address table	16 K
Dimensions (L x W x H)		440 mm x 179.6 mm x 44 mm
Input voltage		100 - 240V AC, 50/60Hz, 0.7A
Lightning protection	RJ45 port	Common mode: 6 kV
	Power supply	Common mode: 6 kV ; Differential mode: 4 kV
Operating environment		Temperature: 0°C - 45°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 (half duplex)/20 Mbps (full duplex) Fast Ethernet: 100 Mbps (half duplex)/ 200 Mbps (full duplex) Gigabit Ethernet: 2000 Mbps (full duplex) 10 Gigabit Ethernet: 20000 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 10GBase-SR: MMF 10Gbase-LR: SMF
Standards		IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3ae, IEEE 802.1d, IEEE 802.1p, IEEE 802.1q, IEEE 802.1w, IEEE 802.1s

Характеристики — Русский

Модель		G5328X
Порт	Порт RJ45 10/100/1000 Мбит/с	24
	Порт SFP+ 10000 Мбит/с	4 независимых SFP+ порта
	Консольный порт	1; Скорость передачи в бодах: 115200
выполнение	Режим переключения	Сохранение и дальнейшая передача
	Изучение MAC-адресов	Автоматические старение, автоматическое обучение
	Таблица MAC-адресов	16 K
Размеры (Д x Ш x В)		440 мм x 179,6 мм x 44 мм
Входное напряжение		100 - 240V AC, 50/60Hz, 0,7A
Молниезащита	Порт RJ45	Обычный режим: 6 kV
	Источник питания	Обычный режим: 6 kV;Дифференциальный режим: 4 kV
Рабочая среда		Температура: 0°C - 45°C Влажность: (10–90%) без конденсации
Условия хранения		Температура: -40°C - 70°C Влажность: (5–90%) без конденсации
Скорость передачи информации		Ethernet: 10 Mbps (полудуплексный)/ 20 Mbps (полнодуплексный) Fast Ethernet: 100 Mbps (полудуплексный)/ 200 Mbps (полнодуплексный) Гигабитный Ethernet: 2000 Mbps (полнодуплексный) 10-Гигабитный Ethernet: 20000 Mbps (полнодуплексный)
Средства передачи		Ethernet: Кабель CAT3 UTP/STP или выше Fast Ethernet: Кабель CAT5 UTP/STP или выше Gigabit Ethernet: Кабель CAT5E или CAT6 UTP/STP 1000Base-SX: MMF 1000Base-LX: MMF или SMF 10GBase-SR: MMF 10Gbase-LR: SMF
Стандарты		IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3ae, IEEE 802.1d, IEEE 802.1p, IEEE 802.1q, IEEE 802.1w, IEEE 802.1s

Спецификации — Български

Модел		G5328X
Порт	10/100/1000 Mbps RJ45 порт	24
	10000 Mbps SFP+ порт	4 независими SFP+ порта
	Конзолен порт	1; Скорост на боуд: 115200
Технически показатели	Режим на превключване	Съхраняване и препращане
	Таблица с MAC адреси, обучение	Автоматично навършени, автоматично обучение
	Таблица с MAC адреси	16 K
Размери (Д x Ш x В)		440 mm x 179,6 mm x 44 mm
Входящо напрежение		100 – 240 V AC, 50/60 Hz, 0,7 A
Мълниезащита	RJ45 порт	Общ режим: 6 kV
	Захранване	Общ режим: 6 kV ; Диференциален режим: 4 kV
Работна среда		Температура: 0°C - 45°C Влажност: (10% – 90%) RH, некондензиращи
Среда за съхранение		Температура: -40°C - 70°C Влажност: (5% – 90%) RH, некондензиращи
Скорост на предаване на данни		Ethernet: 10 Mbps (полудуплекс)/ 20 Mbps (пълен дуплекс) Бърз Ethernet: 100 Mbps (полудуплекс)/ 200 Mbps (пълен дуплекс) Гигабитен Ethernet: 2000 Mbps (пълен дуплекс) 10-гигабитен Ethernet: 20000 Mbps (пълен дуплекс)
Среда на предаване		Ethernet: CAT3 UTP/STP или по-добре Бърз Ethernet: CAT5 UTP/STP или по-добре Гигабитен Ethernet: CAT5e или CAT6 UTP/STP 1000Base-SX: MMF 1000Base-LX: MMF или SMF 10GBase-SR: MMF 10Gbase-LR: SMF
Стандарти		IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3ae, IEEE 802.1d, IEEE 802.1p, IEEE 802.1q, IEEE 802.1w, IEEE 802.1s

Spezifikationen — Deutsch

Modell		G5328X
Port	10/100/1000 Mbit/s RJ45-Port	24
	10000 Mbit/s SFP+-Port	4 unabhängige SFP+-Ports
	Konsolen-Anschluss	1; Baudrate: 115200
Leistung	Modus wechseln	Speichern und weiterleiten
	MAC-Adressentabelle lernen	Automatisches Altern, automatisches Lernen
	MAC-Adressentabelle	16 K
Abmessungen (L x B x H)		440 mm x 179,6 mm x 44 mm
Nennspannung		100 - 240 V AC, 50/60 Hz, 0,7A
Blitzschutz	RJ45-Port	Normaler Modus: 6 kV
	Stromversorgung	Normaler Modus: 6 kV; Differentialmodus: 4 kV
Betriebsumgebung		Temperatur: 0°C - 45°C Luftfeuchtigkeit: (10 % - 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 (Vollduplex) Fast Ethernet: 100 Mbit/s (Halbduplex)/ 200 Mbit/s (Vollduplex) Gigabit Ethernet: 2000 Mbit/s (Vollduplex) 10 Gigabit Ethernet: 20000 Mbit/s (Vollduplex)
Übertragungsmedien		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 10GBase-SR: MMF 10Gbase-LR: SMF
Standards		IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3ae, IEEE 802.1d, IEEE 802.1p, IEEE 802.1q, IEEE 802.1w, IEEE 802.1s

Specifiche — Italiano

Modello		G5328X
Porte	Porta RJ45 10/100/1000 Mbps	24
	Porta SFP+ 10000 Mbps	4 porte SFP+ indipendenti
	Porta console	1; Velocità: 115200
Prestazioni	Modalità switching	Store-and-forward
	Apprendimento degli indirizzi MAC	Auto invecchiamento, auto apprendimento
	Tabella degli indirizzi MAC	16 K
Dimensioni (L x P x A)		440 mm x 179,6 mm x 44 mm
Tensione di ingresso		100 - 240 V CA, 50/60 Hz, 0,7A
Protezione contro i fulmini	Porta RJ45	Modalità comune: 6 kV
	Alimentazione	Modalità comune: 6 kV; Modalità differenziale: 4 kV
Ambiente operativo		Temperatura: 0°C - 45 °C Umidità: 10% - 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) 10 Gigabit Ethernet: 20000 Mbps (full duplex)
Mezzi di trasmissione		Ethernet: Cavo UTP/STP CAT3 o superiore Fast Ethernet: Cavo UTP/STP CAT5 o superiore Gigabit Ethernet: Cavo UTP/STP CAT5E o CAT6 1000Base-SX: MMF 1000Base-LX: MMF o SMF 10GBase-SR: MMF 10Gbase-LR: SMF
Standard di rete		IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3ae, IEEE 802.1d, IEEE 802.1p, IEEE 802.1q, IEEE 802.1w, IEEE 802.1s

Especificações — Português

Modelo:		G5328X
Porta	Porta RJ45 10/100/1000 Mbps	24
	Porta SFP+ 10000 Mbps	4 portas SFP+ independentes
	Porta da consola	1; Taxa de Baud: 115200
Desempenho	Modo de comutação	Guardar e reencaminhar
	Aprendizagem de endereços MAC	Envelhecimento automático, aprendizagem automática
	Tabela de endereços MAC	16 K
Dimensões (C x L x A)		440 mm x 179,6 mm x 44 mm
Tensão de entrada		100-240V AC, 50/60Hz, 0,7 A
Proteção contra raios	Porta RJ45	Modo comum: 6 kV
	Fonte de energia	Modo comum: 6 kV; Modo diferencial: 4 kV
Ambiente operacional		Temperatura: 0°C - 45°C Humidade: (10% - 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) Ethernet rápida: 100 Mbps (half duplex)/ 200 Mbps (full duplex) Gigabit Ethernet: 2000 Mbps (full duplex) 10 Gigabit Ethernet: 20000 Mbps (full duplex)
Meios de transmissão		Ethernet: Cabo CAT3 UTP/STP ou superior Ethernet rápida: Cabo CAT5 UTP/STP ou superior Gigabit Ethernet: Cabo CAT5E ou CAT6 UTP/STP 1000Base-SX: MMF 1000Base-LX: MMF ou SMF 10GBase-SR: MMF 10Gbase-LR: SMF
Normas		IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3ae, IEEE 802.1d, IEEE 802.1p, IEEE 802.1q, IEEE 802.1w, IEEE 802.1s

Especificaciones — Español

Modelo		G5328X
Puerto	Puerto RJ45 de 10/100/1000 Mbps	24
	Puerto SFP+ de 10000 Mbps	4 puertos SFP+ independientes
	Puerto de consola	1; Velocidad en baudios: 115200
Rendimiento	Modo de conmutación	Almacenar y retransmitir
	Aprendizaje de direcciones MAC	Vencimiento automático, aprendizaje automático
	Tabla de direcciones MAC	16 K
Dimensiones (L x An x Al)		440 mm x 179,6 mm x 44 mm
Voltaje de entrada		100 - 240 V CA, 50/60 Hz, 0,7 A
Protección contra rayos	Puerto RJ45	Modo común: 6 kV
	Fuente de alimentación	Modo común: 6 kV; Modo diferencial: 4 kV
Entorno de funcionamiento		Temperatura: 0–45 °C Humedad: 10 %–90 % HR, sin condensación
Entorno de almacenamiento		Temperatura: -40–70 °C Humedad: 5 %–90 % HR, sin condensación
Velocidad de transmisión de datos		Ethernet: 10 Mbps (dúplex medio)/ 20 Mbps (dúplex completo) Fast Ethernet:100 Mbps (dúplex medio)/ 200 Mbps (dúplex completo) Gigabit Ethernet: 2000 Mbps (dúplex completo) 10 Gigabit Ethernet: 20000 Mbps (dúplex completo)
Medios de transmisión		Ethernet: Cable CAT3 UTP/STP o superior Fast Ethernet: Cable CAT5 UTP/STP o superior Gigabit Ethernet: CAT5e o UTP/STP CAT6 1000Base-SX: MMF 1000Base-LX: MMF o SMF 10GBase-SR: MMF 10Gbase-LR: SMF
Estándares		IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3ae, IEEE 802.1d, IEEE 802.1p, IEEE 802.1q, IEEE 802.1w, IEEE 802.1s

Spécifications — Français

Modèle		G5328X
Port	Port RJ45 10/100/1000 Mbps	24
	Port SFP+ 10000 Mbps	4 ports SFP+ indépendants
	Port de la console	1; Débit en Baud: 115200
Performance	Mode de commutation	Stockage et transmission
	Apprentissage des adresses MAC	Auto vieillissement, auto apprentissage
	Tableau des adresses MAC	16 K
Dimensions (L x W x H)		440 mm x 179,6 mm x 44 mm
Tension d'entrée		100-240V AC, 50/60Hz, 0,7A
Protection contre la foudre	Port RJ45	Mode commun : 6 kV
	Alimentation électrique	Mode commun : 6 kV; Mode différentiel : 4 kV
Environnement opérationnel		Température : 0°C - 45°C Humidité :(10 % - 90 %) HR, non-condensant
Environnement de stockage		Température : -40°C - 70°C Humidité : (5 % - 90 %) HR, non-condensant
Taux de transmission des données		Ethernet : 10 Mbit/s (semi duplex)/ 20 Mbit/s (duplex intégral) Fast Ethernet : 100 Mbit/s (semi duplex)/ 200 Mbit/s (duplex intégral) Gigabit Ethernet : 2000 Mbit/s (duplex intégral) 10 Gigabit Ethernet : 20000 Mbit/s (duplex intégral)
Support de transmission		Ethernet : CAT3 UTP/STP ou supérieur Fast Ethernet : CAT5 UTP/STP ou supérieur Gigabit Ethernet : CAT5e ou CAT6 UTP/STP 1000Base-SX: MMF 1000Base-LX: MMF ou SMF 10GBase-SR: MMF 10Gbase-LR: SMF
Normes		IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3ae, IEEE 802.1d, IEEE 802.1p, IEEE 802.1q, IEEE 802.1w, IEEE 802.1s

Dane techniczne — Polski

Model		G5328X
Port	Port RJ45 10/100/1000 Mb/s	24
	Port SFP+ 10000 Mb/s	4 niezależne porty SFP+
	Port konsoli	1; Prędkość transmisji: 115200
Wydajność	Tryb przełączania	Zapis-i-wprzód
	Nauka adresów MAC	Automatyczna pamięć adresów i chwili rejestracji
	Tabela adresów MAC	16 K
Wymiary (dł. x szer. x wys.)		440 mm x 179,6 mm x 44 mm
Napięcie wejściowe		100 - 240V AC, 50/60Hz, 0,7A
Ochrona przed piorunami	Port RJ45	Tryb wspólny: 6 kV
	Zasilanie	Tryb wspólny: 6 kV; Tryb różnicowy: 4 kV
Środowisko pracy		Temperatura: 0°C - 45°C Wilgotność: (10–90%) wilgotności względnej, bez kondensacji
Środowisko przechowywania		Temperatura: -40°C - 70°C Wilgotność: (5–90%) wilgotności względnej, bez kondensacji
Szybkość transmisji danych		Sieć Ethernet: 10 Mb/s (półdupleks) / 20 Mb/s (pełny dupleks) Szybka sieć Ethernet: 100 Mb/s (półdupleks) / 200 Mb/s (pełny dupleks) Gigabitowa sieć Ethernet: 2000 Mb/s (pełny dupleks) 10 Gigabit Ethernet: 20000 Mb/s (pełny dupleks)
Środki transmisji		Sieć Ethernet: Kabel CAT3 UTP/STP lub lepszy Szybka sieć Ethernet: Kabel CAT5 UTP/STP lub lepszy Gigabitowa sieć Ethernet: Kabel CAT5e lub CAT6 UTP/STP 1000Base-SX: MMF 1000Base-LX: MMF lub SMF 10GBase-SR: MMF 10Gbase-LR: SMF
Standardy		IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3ae, IEEE 802.1d, IEEE 802.1p, IEEE 802.1q, IEEE 802.1w, IEEE 802.1s

Specificaţii — Română

Model		G5328X
Port	Port RJ45 10/100/1 000 Mbps	24
	Port SFP+ 10000 Mbps	4 porturi SFP+ independente
	Port consolă	1; Rată Baud: 115200
Performanţă	Switching mode	Store-and-forward
	MAC address table learning	Auto aging, auto learning
	MAC address table	16 K
Dimensiuni (L x l x Î)		440 x 179,6 x 44 mm
Tensiune de intrare		100 - 240 V c.a., 50/60 Hz, 0,7 A
Protecţie împotriva descărcărilor electrice	Port RJ45	Mod obişnuit: 6 KV
	Sursa de alimentare	Mod obişnuit: 6 KV; Mod diferenţial: 4 KV
Mediu de funcţionare		Temperatura: 0°C – 45°C Umiditate: (10% - 90%) umiditate relativă, fără condens
Mediu de depozitare		Temperatura: -40°C - 70°C Umiditate: (5% - 90%) umiditate relativă, fără condens
Viteză de transmisie a datelor		Ethernet 10 Mbps (semi duplex)/ 20 Mbps (duplex complet) Fast Ethernet: 100 Mbps (semi duplex)/ 200 Mbps (duplex complet) Ethernet Gigabit: 2000 Mbps (duplex complet) 10 Ethernet Gigabit: 20000 Mbps (duplex complet)
Mediu de transmitere		Ethernet Cablu CAT3 UTP/STP sau o versiune mai nouă Fast Ethernet: Cablu CAT5 UTP/STP sau o versiune mai nouă Ethernet Gigabit: CAT5e sau CAT6 UTP/STP 1000Base-SX: MMF 1000Base-LX: MMF sau SMF 10GBase-SR: MMF 10Gbase-LR: SMF
Standarde		IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3ae, IEEE 802.1d, IEEE 802.1p, IEEE 802.1q, IEEE 802.1w, IEEE 802.1s

Specifikáció — Magyar

Modell		G5328X
portok	10/100/1000 Mb/s RJ45 port	24
	10000 Mb/s SFP+ port	4 szabad SFP+ port
	konzol csatlakozó felület	1; átviteli sebesség 115200
Működés	Kapcsolási mód	Tárol és továbbít
	MAC címtáblázat tanulás	Automatikus elhasználódás, öntanulás
	MAC cím táblázat	16 K
Méretek (H x Sz x M)		440 mm x 179,6 mm x 44 mm
Bemeneti feszültség		100-240 V váltóáram, 50/60Hz 0,7 A
Villámcsapás védelem	RJ45 port	Közös üzemmód: 6 kV
	Tápellátás	Közös üzemmód: 6 kV; Differenciál üzemmód: 4 kV
Működési környezet		Hőfok: 0°C - 45°C Páratartalom: 10 - 90% RH, nem kicsapódó
Tárolási környezet		Hőfok: -40°C - 70°C Páratartalom: 5 - 90% RH, nem kicsapódó
Adatátviteli sebesség		Ethernet: 10 Mb/s (fél duplex)/20 Mb/s (teljes duplex) Fast Ethernet: 100 Mb/s (fél duplex)/ 200 Mb/s (teljes duplex) Gigabit Ethernet: 2000 Mb/s (teljes duplex) 10 Gigabit Ethernet: 20000 Mb/s (teljes duplex)
Átviteli közeg		Ethernet: CAT3 UTP/STP vagy gyorsabb kábel Fast Ethernet: CAT5 UTP/STP vagy gyorsabb kábel Gigabit Ethernet: CAT5e vagy CAT6 UTP/STP 1000Base-SX: MMF 1000Base-LX: MMF vagy SMF 10GBase-SR: MMF 10Gbase-LR: SMF
Szabványok		IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3ae, IEEE 802.1d, IEEE 802.1p, IEEE 802.1q, IEEE 802.1w, IEEE 802.1s

Özellikler — Türkçe

Model		G5328X
Port	10/100/1000 Mbps RJ45 portu	24
	10000 Mbps SFP+ portu	4 bağımsız SFP+ portu
	Konsol portu	1; Baud hızı: 115200
Performans	Anahtarlama modu	Sakla ve gönder
	MAC adres öğrenme	Otomatik yaşlanma, otomatik öğrenme
	MAC adres tablosu	16 K
Boyutlar (B x E x Y)		440 mm x 179,6 mm x 44 mm
Giriş Gerilimi		100 - 240V AC, 50/60 Hz, 0,7A
Yıldırım koruması	RJ45 portu	Ortak mod: 6 kV
	Güç kaynağı	Ortak mod: 6 kV; Diferansiyel mod: 4 kV
Çalışma ortamı		Sıcaklık: 0°C - 45°C Nem: (%10 - %90) RH, yoğuşmasız
Depolama ortamı		Sıcaklık: -40°C - 70°C Nem: (%5 - %90) RH, yoğuşmasız
Veri iletim hızı		Ethernet: 10 Mbps (yarı çift yönlü) / 20 Mbps (tam çift yönlü) Fast Ethernet: 100 Mbps (yarı çift yönlü) / 200 Mbps (tam çift yönlü) Gigabit Ethernet: 2000 Mbps (tam çift yönlü) 10 Gigabit Ethernet: 20000 Mbps (tam çift yönlü)
İletim Ortamları		Ethernet: CAT3 UTP/STP veya daha iyisi Fast Ethernet: CAT5 UTP/STP veya daha iyisi Gigabit Ethernet: CAT5e veya CAT6 UTP/STP 1000Base-SX: MMF 1000Base-LX: MMF veya SMF 10GBase-SR: MMF 10Gbase-LR: SMF
Standartlar		IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3ae, IEEE 802.1d, IEEE 802.1p, IEEE 802.1q, IEEE 802.1w, IEEE 802.1s

المواصفات

الطراز		G5328X
المنفذ	منفذ RJ45 بسرعة 10/100/1000 ميجا بايت/ ثانية	24
	منفذ SFP+ بسرعة 10000 ميجا بايت / ثانية	4 منافذ SFP+ مستقلة
	منفذ وحدة التحكم	1 معدل الباود: 115200
الأداء	نمط التحويل	تخزين وإعادة توجيه
	تعلم جدول عناوين MAC	الشيخوخة التلقائية ، التعلم التلقائي
	جدول عناوين MAC	16K
الأبعاد (الطول × العرض × الارتفاع)		440 مم × 179.6مم × 44 مم
جهد الإدخال		تيار متردد بجهد 100 - 240 فولت، 50/60 هرتز، 0.7 أمبير
الوقاية من الصواعق	منفذ RJ45	النمط المشترك: 6 كيلو فوات
	إمداد الطاقة	النمط المشترك: 6 كيلو فولت؛ نمط تفاضلي: 4 كيلو فولت
بيئة التشغيل		درجة الحرارة: 0 درجة مئوية - 45 درجة مئوية الرطوبة: رطوبة نسبية (10% - 90%) ، بدون تكثف
بيئة التخزين		درجة الحرارة: - 40 درجة مئوية - 70 درجة مئوية الرطوبة: رطوبة نسبية (5% - 90%) ، بدون تكثف
معدل نقل البيانات		إيثرنت: 10 ميجا بايت/ ثانية (إرسال نصف مزدوج) / 20 ميجا بايت/ ثانية (إرسال كامل الازدواج) شبكة الإيثرنت السريعة: 100 ميجا بايت/ ثانية (إرسال نصف مزدوج) / 200 ميجا بايت/ ثانية (إرسال كامل الازدواج) شبكة جيجابت إيثرنت: 2000 ميجا بايت / ثانية (إرسال كامل الازدواج) إيثرنت 10 جيجابت: 20000 ميجا بايت / ثانية (إرسال كامل الازدواج)
وسط الإرسال		إيثرنت: CAT3 UTP/STP أو أفضل شبكة الإيثرنت السريعة: CAT5 UTP/STP أو أفضل شبكة جيجابت إيثرنت: CAT5e أو CAT6 UTP/STP MMF: 1000Base-SX MMF: 1000Base-LX أو SMF MMF: 10GBase-SR SMF: 10GBase-LR
معايير الشبكة		IEEE 802.3 و IEEE 802.3u و IEEE 802.3x و IEEE 802.3ab و IEEE 802.3z و IEEE 802.3ae و IEEE 802.1d و IEEE 802.1p و IEEE 802.1q و IEEE 802.1w و IEEE 802.1s

Safety and statement

CE Mark Warning

This is a Class A product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures. The mains plug is used as disconnect device, the disconnect device shall remain readily operable.

NOTE: (1) The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. (2) To avoid unnecessary radiation interference, it is recommended to use a shielded RJ45 cable.

FCC Statement

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Caution!

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: (1) The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. (2) To avoid unnecessary radiation interference, it is recommended to use a shielded RJ45 cable.

RECYCLING

This product bears the selective sorting symbol for Waste electrical and electronic equipment (WEEE). This means that this product must be handled pursuant to European directive 2012/19/EU in order to be recycled or dismantled to minimize its impact on the environment.

User has the choice to give his product to a competent recycling organization or to the retailer when he buys a new electrical or electronic equipment.