

FortiVoice Gateway GS16

QuickStart Guide



October 25, 2022

Revision 1

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Box Includes

- 1 FortiVoice Gateway GS16 device
- 1 QuickStart Guide
- 1 power cable (Europe version)
- 1 power cable (North America version)
- 1 power adapter
- 1 Ethernet cable
- 2 rack-mount brackets
- 6 bracket screws
- 4 rack screws
- 4 cage nuts

1 Connecting the Gateway

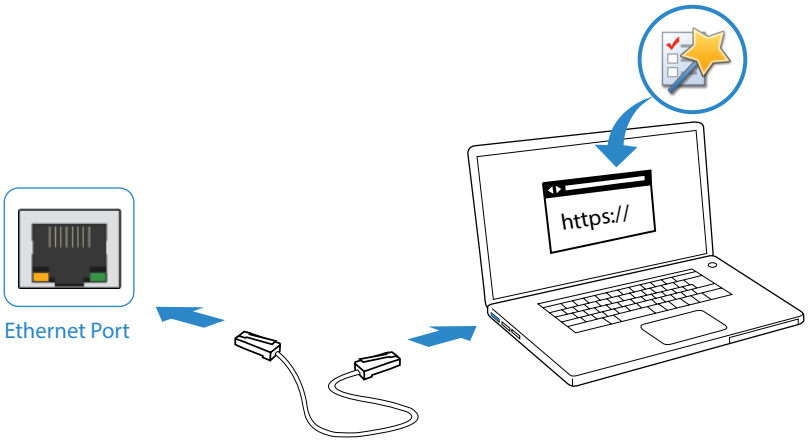
1. Connect the power adapter to the power connection of the FortiVoice Gateway.
2. Connect the other end of the power adapter to the power cable.
3. Connect the power cable to the power outlet.
4. Connect the Ethernet port 1 of the FortiVoice Gateway to an internet connection. This is usually a modem, but it could also be another device on your network.

2 Setup Options

A **Web Browser**
Setup Wizard (p.6)

B **Terminal Emulation**
With console cable (p.7)

A Web Browser



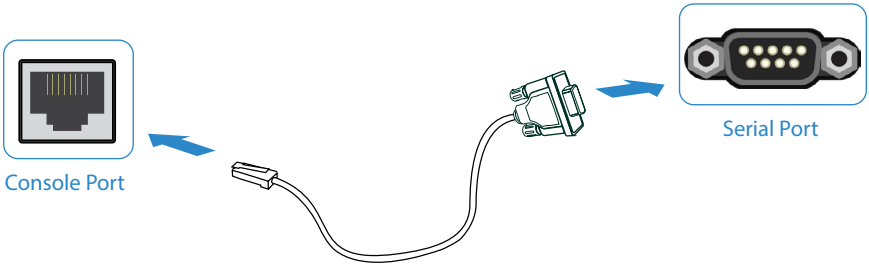
To Connect to the GUI

1. Connect the Ethernet port 1 of the FortiVoice Gateway to your computer using the Ethernet cable.
2. Configure the management computer to be on the same subnet as the internal interface as the FortiVoice Gateway unit:

   IP address: 192.168.1.X
   Netmask: 255.255.255.0

3. Visit https://192.168.1.99/admin in your web browser.
4. Login using username "admin" and no password.
5. Configure your device and save your settings. For configuration details, see the FortiVoice FXS Gateway Deployment Guide.

B Terminal Emulation



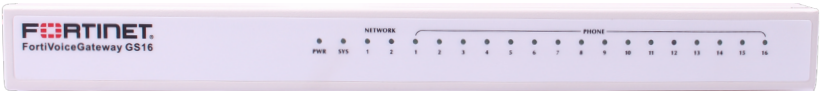
To Connect to the CLI

1. Connect the device's console port to the management computer using the provided console cable.
2. Start a terminal emulation program on the management computer, select the COM port, and use the following settings:

   Baud Rate: 115200
   Data bits: 8
   Parity: None
   Stop bits: 1
   Flow Control: None

3. Press Enter on your keyboard to connect to the CLI.
4. Login using username "admin" and no password. You can now proceed with configuring your device.

Device Guide



Phone

- Green: The FXS port is ready or in use.
- Off: The FXS port is not ready.

Power

- Green: The unit is on.
- Off: The unit is off.

System

- Green: The system is ready.
- Off: The system is not ready.

Network

- Green: The Ethernet port is ready.
- Flashing Green: The Ethernet port is in use.
- Off: No link is established.



Grounding Terminal

FXS Ports (RJ-11)
Connect to analog phones.

Power Connection
12 VDC 2 A

Power Switch

Console (RJ-45)
Optional connection to the management computer. Provides access to the CLI.

Reset Button

Ethernet Ports 1 and 2 (RJ-45)
Ethernet ports for connection to your network and the internet.

1 Installation

The FortiVoice Gateway unit can be placed on any flat surface, or mounted in any standard 19 inch rack unit with the provided rack-mount brackets and screws.

Please read "Cautions and Warnings" prior to installing your device.

Caution: Electrostatic discharge (ESD) can damage your Fortinet equipment.

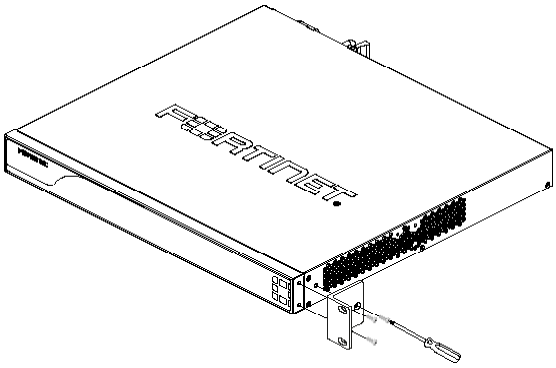
Do not place heavy objects on the unit.

To avoid personal injury or damage to the unit, it is recommended that two or more people install the unit into the rack.

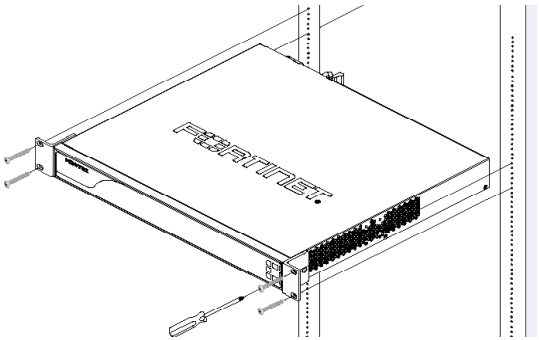
Note: If the unit has a redundant power supply, each power cable should be connected to a different power source. In this way, if one power source fails, the other may still be operational and the unit will not lose power.

To install the FortiVoice Gateway into a rack

1. Ensure that the FortiVoice Gateway unit is placed on a stable surface prior to rack-mount installation.
2. Attach the provided rack-mount brackets to the sides of the unit using the provided bracket screws.



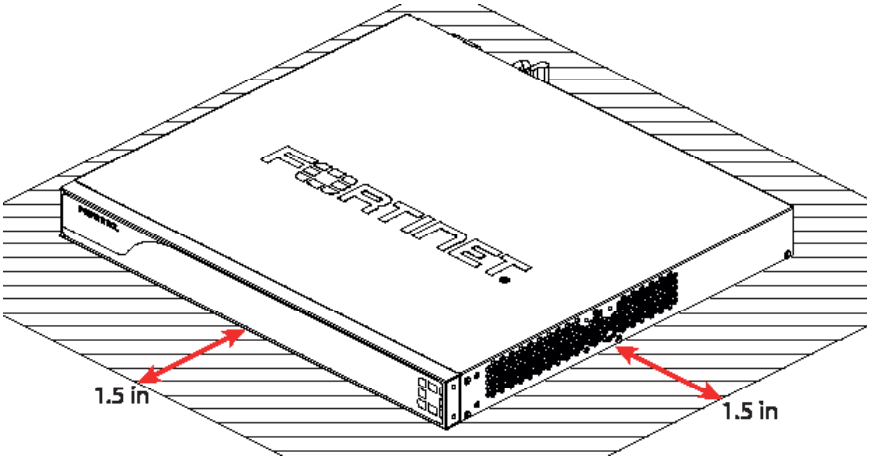
3. Position the FortiVoice Gateway unit in the 19-inch (48.26 cm) rack at a maximum height of 6 ft (2 m). Ensure there is enough room around the unit to allow for sufficient air flow.



4. Line up the rack-mount bracket holes to the holes on the rack and ensure that the FortiVoice Gateway unit is level.
5. Finger tighten four rack-mount screws to attach the unit to the rack.
6. Verify that the spacing around the FortiVoice Gateway unit conforms to requirements and that the unit is level, then tighten the rack-mount screws with an appropriate screwdriver.
7. Plug the provided power cable into the rear of the unit and then into a grounded electrical outlet or a separate power source, such as an uninterruptible power supply (UPS) or a power distribution unit (PDU).

To install the unit on a flat surface

1. Ensure that the surface onto which the FortiVoice Gateway unit to be installed is clean, level, and stable and that there is at least 1.5 in (3.8 cm) of clearance on all sides to allow for adequate airflow.
2. Attach the provided rubber feet to the bottom of the FortiVoice Gateway unit.
3. Place the unit in the designated location.
4. Verify that the spacing around the FortiVoice Gateway unit conforms to requirements and that the unit is level.



5. Plug the provided power cable into the rear of the unit and then into a grounded electrical outlet or a separate power source, such as an uninterruptible power supply (UPS) or a power distribution unit (PDU).

Cautions and Warnings

Environmental Specifications

Ambient operating temperature: 0°C to 40°C

Rack Mount Instructions - The following or similar rack-mount instructions are included with the installation instructions:

Instructions de montage en rack - Les instructions de montage en rack suivantes ou similaires sont incluses avec les instructions d'installation:

Elevated Operating Ambient - If installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than room ambient. Therefore, consideration should be given to installing the equipment in an environment compatible with the maximum ambient temperature (Tma) specified by the manufacturer.
Température ambiante élevée – S'il est installé dans un rack fermé ou à unités multiples, la température ambiante de fonctionnement de l'environnement du rack peut être supérieure à la température ambiante de la pièce. Par conséquent, il est important d'installer le matériel dans un environnement respectant la température ambiante maximale (Tma) stipulée par le fabricant.

Reduced Air Flow - Installation of the equipment in a rack should be such that the amount of air flow required for safe operation of the equipment is not compromised.
Ventilation réduite – Installation de l'équipement dans un rack doit être telle que la quantité de flux d'air nécessaire au bon fonctionnement de l'équipement n'est pas compromise.

Mechanical Loading - Mounting of the equipment in the rack should be such that a hazardous condition is not achieved due to uneven mechanical loading.
Chargement Mécanique – Montage de l'équipement dans le rack doit être telle qu'une situation dangereuse n'est pas lié à un chargement mécanique inégal.

Circuit Overloading - Consideration should be given to the connection of the equipment to the supply circuit and the effect that overloading of the circuits might have on overcurrent protection and supply wiring. Appropriate consideration of equipment nameplate ratings should be used when addressing this concern.
Surtension – Il convient de prendre l'ensemble des précautions nécessaires lors du branchement de l'équipement au circuit d'alimentation et être particulièrement attentif aux effets de la suralimentation sur le dispositif assurant une protection contre les courts-circuits et le câblage. Ainsi, il est recommandé de tenir compte du numéro d'identification de l'équipement.

Reliable Earthing - Reliable earthing of rack-mounted equipment should be maintained. Particular attention should be given to supply connections other than direct connections to the branch circuit (e.g. use of power strips).
Fiabilité de la mise à la terre– Fiabilité de la mise à la terre de l'équipement monté en rack doit être maintenue. Une attention particulière devrait être accordée aux connexions d'alimentation autres que les connexions directes au circuit de dérivation (par exemple de l'utilisation de bandes de puissance).

Refer to specific Product Model Data Sheet for Environmental Specifications (Operating Temperature, Storage Temperature, Humidity, and Altitude)

Référez à la Fiche Technique de ce produit pour les caractéristiques environnementales (Température de fonctionnement, température de stockage, humidité et l'altitude).

Safety

Warning: Equipment intended for installation in Restricted Access Location.
Avertissement: Le matériel est conçu pour être installé dans un endroit où l'accès est restreint.

Battery – Risk of explosion if the battery is replaced by an incorrect type. Do not dispose of batteries in a fire. They may explode. Dispose of used batteries according to your local regulations. IMPORTANT: Switzerland: Annex 4.10 of SR814.013 applies to batteries.

Batterie – Risque d'explosion si la batterie est remplacée par un type incorrect. Ne jetez pas les batteries au feu. Ils peuvent exploser. Jetez les piles usagées conformément aux réglementations locales. IMPORTANT: Suisse: l'annexe 4.10 de SR814.013 s'appliquent aux batteries.

警告
本電池如果更換不正確會有爆炸的危險
請依製造商說明書處理用過之電池

Caution: Disconnect power supply cords before servicing.
Attention: Débranchez les cordons de la source d'alimentation avant tout entretien.

Grounding — To prevent damage to your equipment, connections that enter from outside the building should pass through a lightning / surge protector, and be properly grounded. Use an electrostatic discharge workstation (ESD) and/or wear an anti-static wrist strap while you work. On the back panel of this equipment, use the grounding terminal.

Mise à la terre — Pour éviter d'endommager votre matériel, assurez-vous que les branchements qui entrent à partir de l'extérieur du bâtiment passent par un parafoudre / parasurtenseur et sont correctement mis à la terre. Utilisez un poste de travail de décharge électrostatique (ESD) et / ou portez un bracelet anti-statique lorsque vous travaillez. À l'arrière de cet équipement, utilisez la borne de mise à la terre.

Regulatory Compliance

Federal Communication Commission (FCC) - USA

This device complies with Part 15 of FCC Rules. 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.

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 it is not installed and used in accordance with the instruction manual, it 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.

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

Industry Canada Equipment Standard for Digital Equipment (ICES) – Canada

CAN ICES-3 (A) / NMB-3 (A)

This digital apparatus does not exceed the Class A limits for radio noise emissions from digital apparatus set out in the Radio Interference Regula¬tions of the Canadian Department of Communications.

Cet appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la classe A prescrites dans le Règlement sur le brouillage radioélectrique édicte par le ministère des Communications du Canada.

European Conformity (CE) - EU

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.

CE

Voluntary Control Council for Interference (VCCI) – Japan

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ＶＣＣＩ－Ａ

Product Safety Electrical Appliance & Material (PSE) – Japan

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Bureau of Standards Metrology and Inspection (BSMI) – Taiwan

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