FortiVoice™ Enterprise 100E
QuickStart Guide

May 24, 2016

2nd Edition

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QuickStart Guide

Tools and Documentation CD
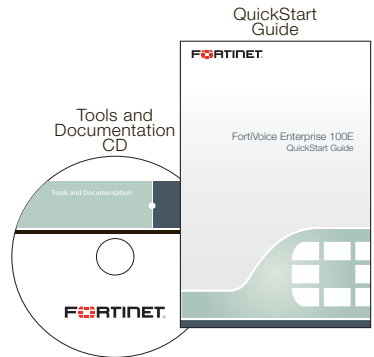
Connecting to FortiVoice

You can configure your FortiVoice appliance using either its web pages (the web UI) or the command line interface (CLI). After connecting, follow the setup instructions in the FortiVoice Enterprise Phone System Administration Guide.

To connect to the FortiVoice web UI

Browser requirements: Internet Explorer 7 or higher, Firefox 3.5 or higher, Safari 4 or higher, and Adobe Flash Player 9 or higher plug-in required to display statistics charts.

1. Connect the FortiVoice appliance's port1 to your computer using the provided Ethernet cable.
2. On your computer, configure it to match the appliance's default port1 subnet.

   For example, on Windows 7, click the *Start* (Windows logo) menu to open it, then click *Control Panel*. Click *Network and Sharing Center*, *Local Area Connection*, then the *Properties* button. Select *Internet Protocol Version 4 (TCP/IPv4)* then click its *Properties* button. Select *Use the following IP address*, then change your computer's settings to:
   - *IP address:*   192.168.1.2
   - *Subnet mask:*   255.255.255.0
3. To access the FortiVoice web UI, start a browser and browse to https://192.168.1.99/admin (remember to include the "s" in https:// and "/admin" at the end of the URL).
4. Type `admin` in the *Name* field, leave the *Password* field blank, and click *Login*.

To connect to the FortiVoice CLI

1. Connect the FortiVoice console port to your computer using the console cable.
2. On the management computer, start a terminal emulation program (such as PuTTY). Use these settings:
   - Serial line: COM1
   - Baud Rate: 9600
   - Data bits: 8
   - Parity: None
   - Stop bits: 1
   - Flow Control: None

3. Press *Enter* on your keyboard to connect to the CLI.

4. Type `admin` in the *Name* field, leave the *Password* field blank, then press Enter.

After connecting to the FortiVoice appliance, run the quick start wizard to set up the basic network and PBX settings.

For detailed instructions, see the FortiVoice Enterprise Phone System Administration Guide.

To power off the appliance via the web UI

Always properly shut down the FortiVoice appliance's operating system before turning off the power switch or unplugging it. This causes it to finish writing any buffered data, and to correctly spin down and park the hard disks.

Do not unplug or switch off the FortiVoice appliance without first halting the operating system. Failure to do so could cause data loss and hardware problems.

1. Connect to the web UI.

2. Go to *System > Status*.

3. In the *System Command* widget, click the *Shut Down* button.

You may be able to hear the appliance become more quiet when the appliance halts its hardware and operating system, indicating that power can be safely disconnected.

4. Disconnect the power cable from the power supply.

To power off the appliance via the CLI

1. Connect to the CLI.

2. Enter the following command:

```
execute shutdown
```

You may be able to hear the appliance become more quiet when the appliance halts its hardware and operating system, indicating that power can be safely disconnected.

3. Disconnect the power cable from the power supply.

Registering Your Product

Register

Register your Fortinet product in order to receive:

• Technical Support • Software updates

Enregistrer

Vous devez enregistrer le produit pour recevoir:

• Support technique • Mises-à-jour

Registra

La reistrazione ti permette di usufruire di:

• Supporto Tecnico • Nuove funzionalita

Registrar

Debe registrar el producto para recibir:

• Apoyo técnico • Nuevas funcionalidades del producto

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本日、フォーティネット製品の登録をしてください。

登録すると次のメリットがあります。
• テクニカルサポート • 新機能の追加

请马上注册

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Toll free: 1 866 648 4638
Phone: 1 408 486 7899
Fax: 1 408 235 7737
Email: register@fortinet.com

Technical Specifications

Power and Hard Disk LEDs

Console Port

USB Ports
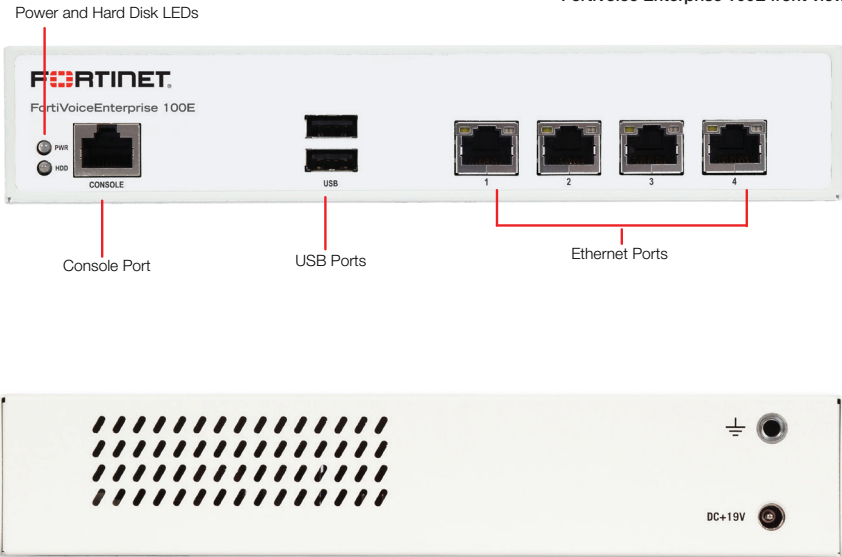
Ethernet Ports

Interface	Type	Protocol	Description
Ethernet Ports 1 - 4	RJ-45 10/100/1000	Gigabit Ethernet	Ethernet ports for connection to your network and the Internet.
USB Ports	USB-A	USB 2.0	Reserved for future use.
Console	RJ-45	RS-232 serial	Optional connection to the management computer. Provides access to the CLI.
Power Connection			19 V DC 2.1A 40W

LED Specifications

LED	State	Description
PWR	Green	The unit is on.
HDD	Flashing amber	Activity on the hard disk drive.
Ethernet Port Activity	Yellow	Port is active.
	Flashing yellow	Port is transmitting and receiving data.
(Left LED)	Off	No cable is connected to the port.
Ethernet Port Speed	Green	Port is connected at 1Gbps.
	Amber	Port is connected at 100 Mbps.
(Right LED)	Off	Port is connected at 10 Mbps.

Cautions and Warnings

Environmental specifications

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

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. In addition to the grounding terminal of the plug, on the back panel, there is another, separate terminal for earthing.

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. Ce produit possède une borne de mise à la terre qui est prévu à l'arrière du produit, à ceci s'ajoute la mise à la terre de la prise.

This product has a separate protective earthing terminal provided on the back of the product in addition to the grounding terminal of the attachment plug. This separate protective earthing terminal must be permanently connected to earth with a green with yellow stripe conductor minimum size # 14 AWG and the connection is to be installed by a qualified service personnel.

Ce produit a une borne de mise à la terre séparé sur le dos de l'appareil, en plus de la borne de mise à la terre de la fiche de raccordement. Cette borne de mise à la terre séparée doit être connecté en permanence à la terre avec un conducteur vert avec la taille bande jaune de minimum # 14 AWG et la connexion doit être installé par un personnel qualifié.

Disconnect TNV circuit connector before removing cover.

Débranchez le câble du circuit TRT avant d'enlever le couvercle.

IMPORTANT SAFETY INSTRUCTIONS - When using your telephone equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock and injury to persons, including the following:

CONSIGNES DE SÉCURITÉ IMPORTANTES - Lorsque vous utilisez votre équipement téléphonique, des précautions de sécurité de base doivent toujours être suivies pour réduire le risque d'incendie, de choc électrique et de blessures corporelles, y compris ce qui suit:

-Do not use this product near water for example, near a bathtub, washbowl, kitchen sink or laundry tub, in a wet basement or near a swimming pool.

-Ne pas utiliser ce produit près de l'eau, par exemple, près d'une baignoire, d'un lavabo, d'un évier de cuisine ou cuve à lessive, dans un sous-sol humide ou près d'une piscine.

-Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.

-Évitez d'utiliser un téléphone (autre qu'un téléphone sans fil) pendant un orage. Il peut y avoir un risque de choc électrique par la foudre.

-Do not use the telephone to report a gas leak in the vicinity of the leak.

-Ne pas utiliser le téléphone pour rapporter une fuite de gaz à proximité de la fuite.

-Use only the power cord and batteries indicated in this manual. Do not dispose of batteries in a fire. They may explode. Check with local codes for possible special disposal instructions.

-Utilisez uniquement le cordon d'alimentation et les piles indiquées dans ce manuel. Ne jetez pas les batteries au feu. Ils peuvent exploser. Vérifiez les codes locaux pour connaître les instructions spéciales d'élimination.

SAVE THESE INSTRUCTIONS

CONSERVER CES INSTRUCTIONS

CAUTION: To reduce the risk of fire, use only No. 26 AWG or larger (e.g., 24 AWG) UL Listed or CSA Certified Telecommunication Line Cord

ATTENTION: Pour réduire le risque d'incendie, utilisez uniquement 26 AWG ou supérieur (par exemple, 24 AWG) lister UL ou cordon certifié CSA

CAUTION: The interconnecting cables between the development kit and the LCD touch screen monitor are required to be rated min. 60 deg.C, min. 30 Vdc , marked VW-1 or FT- 1. The length of the cable should not exceed 3.05 m

ATTENTION: Les câbles d'interconnexion entre le kit de développement et le moniteur à écran tactile LCD doivent être classé min. 60 degrés C, min. 30 Vdc, marqué VW-1 ou FT-1. La longueur du câble ne doit pas dépasser 3,05 m

Regulatory Notice

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

This equipment complies with ACTA TIA/EIA/IS-968-B-1 and Part 68 of the FCC rules and the requirements adopted by the ACTA. On the base of this equipment is a label that contains, among other information, a product identifier in the format US: AAAEQ##TXXXX. If requested, this number must be provided to the telephone company.

This equipment uses the following USOC jacks: RJ45

A plug and jack used to connect this equipment to the premises wiring and telephone network must comply with the applicable FCC Part 68 rules and requirements adopted by the ACTA. A compliant telephone cord and modular plug is provided with this product. It is designed to be connected to a compatible modular jack that is also compliant. See installation instructions for details.

The REN is used to determine the number of devices that may be connected to a telephone line. Excessive RENs on a telephone line may result in the devices not ringing in response to an incoming call. In most but not all areas, the sum of RENs should not exceed five (5.0). To be certain of the number of devices that may be connected to a line, as determined by the total REN, contact the local telephone company. The REN for this product is separately shown on the label and also part of the product identifier that has the format US: AAAEQ##TXXXX. The digits represented by ## are the REN without a decimal point (e.g., 03 is a REN of 0.3).

If this equipment causes harm to the telephone network, the telephone company will notify you in advance that temporary discontinuance of service may be required until the problem is resolved. But if advance notice is not practical, you will be notified by the telephone company as soon as possible. You will be advised

of your right to file a complaint with the FCC if you believe it is necessary. The telephone company may make changes in its facilities, equipment, operations or procedures that could affect the operation of the equipment. If this happens the telephone company will provide advance notice in order for you to make necessary modifications to maintain uninterrupted service.

The telephone company may ask that you disconnect this equipment from the network until the problem has been corrected or until you are sure that the equipment is not malfunctioning.

If you experience trouble with this equipment, or repair or warranty information, please contact the following address and phone number for information.

Fortinet Inc.

899 Kifer Road, Sunnyvale, CA 94086 USA

1-866-393-9960 (US and Canada)

1-613-725-2466 (International)

It is recommended that the customer install an AC surge arrester in the AC outlet to which this device is connected. This is to avoid damaging the equipment caused by local lightning strikes and other electrical surges.

This equipment may not be used on coin service provided by the telephone company. Connection to party line service is subject to state tariffs.

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.

Industry Canada (IC CS) – Canada

NOTICE: This product meets the applicable Industry Canada terminal technical specifications. This is confirmed by the registration number. The abbreviation, IC, before the registration number signifies that registration was performed based on a Declaration of Conformity indicating that Industry Canada technical specifications

were met. It does not guarantee the equipment will operate to the user's satisfaction.

AVIS: Ce produit est conforme aux spécifications techniques terminales applicables d'Industrie Canada. Cette conformité est confirmée par le numéro d'enregistrement. Le sigle IC, placé devant le numéro d'enregistrement, signifie que l'enregistrement s'est effectué conformément à une déclaration de conformité et indique quelles spécifications techniques d'Industrie Canada ont été respectées. Il ne garantit pas que le matériel fonctionnera à la satisfaction de l'utilisateur.

NOTICE: The Ringer Equivalence Number (REN) for this terminal equipment is NAN. The REN assigned to each terminal equipment provides an indication of the maximum number of terminals allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the Ringer Equivalence Numbers of all the devices does not exceed five.

AVIS: L'indice d'équivalence de la sonnerie (IES) du présent matériel est de NAN. L'IES assigné à chaque dispositif terminal indique le nombre maximal de terminaux qui peuvent être reliés à une interface téléphonique. La terminaison d'une interface peut consister en une combinaison quelconque de dispositifs, à la seule condition que la somme d'indices d'équivalence de la sonnerie de tous les dispositifs n'excède pas 5.

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

License Agreement

Product License Agreement

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Agreement. Further, if you are a non-authorized reseller of Products, you are not authorized to sell Product(s) or Software, but, regardless, by selling Product(s) or Software, you hereby agree you are bound by the restrictions and obligations herein and are bound to: (i) ensure that your customer and the end user receive a copy of this Agreement andare bound in full by all restrictions and obligations herein(ii) enforce the restrictions and obligations in this Agreement against such customer and/or end user, (iii) comply with all applicable United States export control laws and regulations and all other applicable laws, and (iv) refund any fees paid to you by a customer and/or end user who purchased Product(s) from you but does not agree to the restrictions and obligations contained in this Agreement and therefore wishes to return the Product(s) as provided for in this Agreement. Notwithstanding anything to the contrary, distributors, resellers and other Fortinet partners (a) are not agents of Fortinet and (b) are not authorized to bind Fortinet in any way.

6. Limited Warranty.

Fortinetprovides this limited warranty for its product only to the single end-user person or entity that originally purchased the Product from Fortinet or its authorized reseller or distributor and paid for such Product. The warranty is only valid for Products which are properly registered on Fortinet's Support Website,https://support.fortinet.com, or such other website as provided by Fortinet, or for which the warranty otherwise starts according to Fortinet's policies. The warranty periods discussed below will startaccording to Fortinet's policies posted at http://www.fortinet.com/aboutus/legal.html or such other website as provided by Fortinet.It is the Fortinet distributor's and reseller's responsibility to make clear to the enduser the date the product was originally shipped from Fortinet, and it is the enduser's responsibility to understand the original ship date from the party from which the end user purchased the product. All warranty claims must be submitted in writing to Fortinet before the expiration of the warranty term or such claims are waived in full. Fortinet provides no warranty for any beta, donation or evaluation Products, for any spare parts not purchased directly from Fortinet by the end-user, for any accessories, or for any stand-alone software.Fortinet warrants that the hardware portion of the Products, including spare parts unless noted otherwise ("Hardware") will be free from material defects in workmanship as compared to the functional specificationsfor the period set forthas follows and applicable to the Product type ("Hardware Warranty Period"):a three hundred sixty-five (365) day limited warranty for the Hardware excluding spare parts, power supplies, and accessories (provided, solely with respect to FortiAP and Meru AP indoor Wi-Fi access point Hardware appliance products and FortiSwitch Hardware appliance products other than the FortiSwitch-5000 series (for both excluding spare parts, power supplies, and accessories), the warranty herein shall last from the start of the warranty period as discussed above until five (5) years following the product announced end-of-life date), and, forspare parts, power supplies, and accessories, solely aninety (90) dayslimited warranty.Fortinet's sole obligation shall be to repair or offer replacement Hardware for the defective Hardwareat no charge to the original owner. 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