

# QuickStart Guide

FortiGate 2600F / 2601F -DC

# Before you begin

Register your device to access FortiGuard updates, cloud management, firmware upgrades, technical support and warranty coverage.

<http://support.fortinet.com>

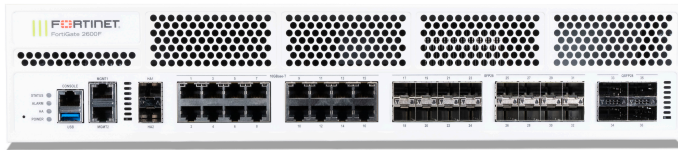


December 7, 2022

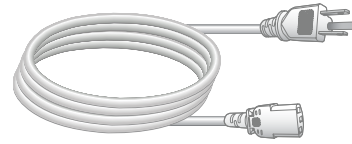
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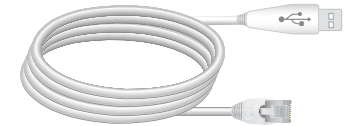
# Box Includes



FortiGate 2600F/2601F -DC



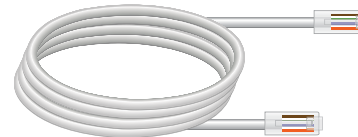
2x AC Power Cables  
(AC models only)



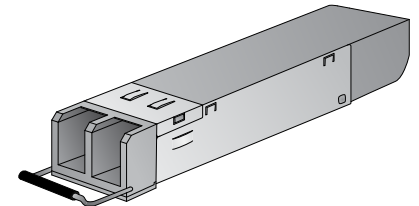
1x Console Cable



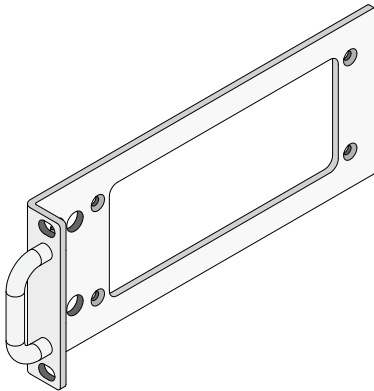
QuickStart Guide



1x Ethernet Cable



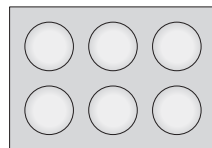
2x SFP+ Transceivers



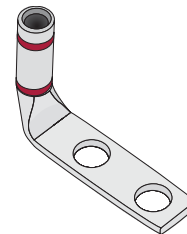
2x Rack-Mount Brackets



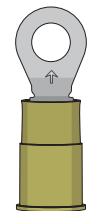
12x Bracket Screws



6x Rubber Feet

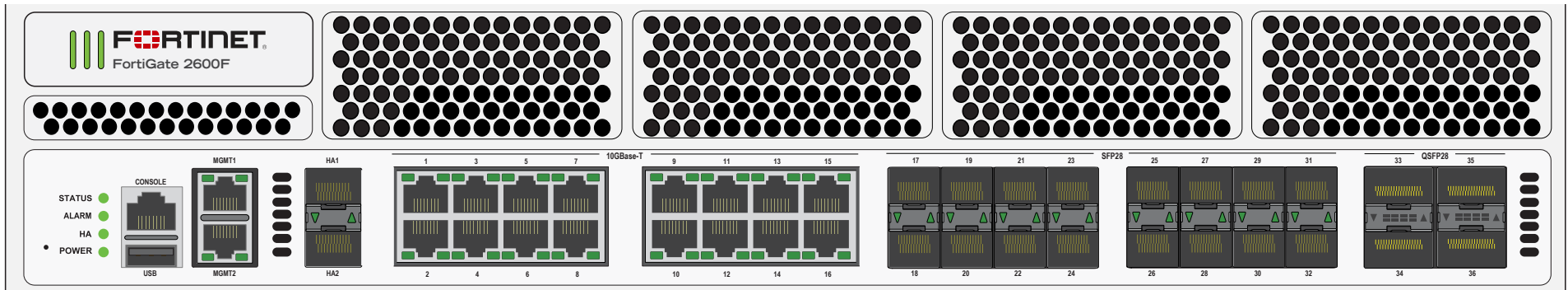


2x Grounding Lugs  
(DC models only)



6x DC Terminal Rings  
(DC models only)

# Front Panel FG-2600F Series



## 1 LED Indicators

### STATUS

- **Green:** Operating normally
- **Flashing Green:** Booting up
- **Red:** Major alarm

### HA

- **Green:** Operating in an HA cluster
- **Red:** HA failure
- **Off:** HA disabled

### ALARM

- **Red:** Major alarm
- **Amber:** Minor alarm
- **Off:** No alarms

### POWER

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

## 2 CONSOLE (RJ45) port for serial port management

USB (USB A) USB 3.0 server port

## 3 Management Ports (RJ45) 1GE for device management

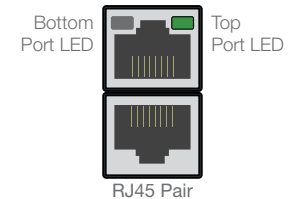
MGMT1 default IP is 192.168.1.99

MGMT2 default IP is 192.168.2.99

## 4 HA1 & HA2 Ports (RJ45) high availability ports

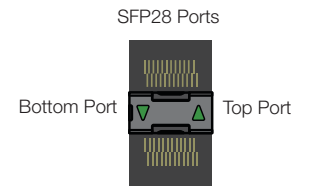
## 5 Ports 1 to 16 (RJ45)

- **Green:** Connected at 10Gbps or 1Gbps
- **Flashing Green:** Transmitting data
- **Off:** No link established



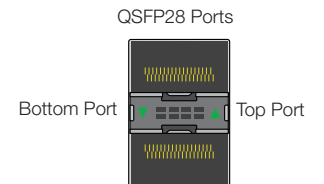
## 6 Ports 17 to 32 (SFP28)

- ▼ **Green:** Link established at 25, 10 or 1 Gbps
- **Flashing Green:** Transmitting data
- ▼ **Off:** No link established



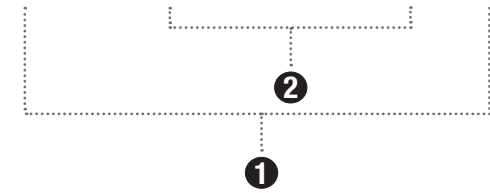
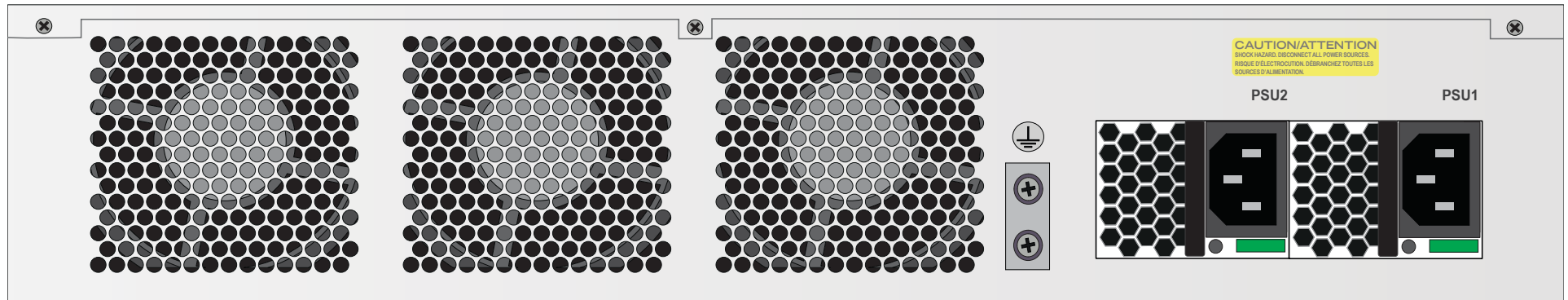
## 7 Ports 33 to 36 (QSFP28)

- ▼ **Green:** Link established at 100 or 40 Gbps
- **Flashing Green:** Transmitting data
- ▼ **Off:** No link established





## Rear Panel AC Models

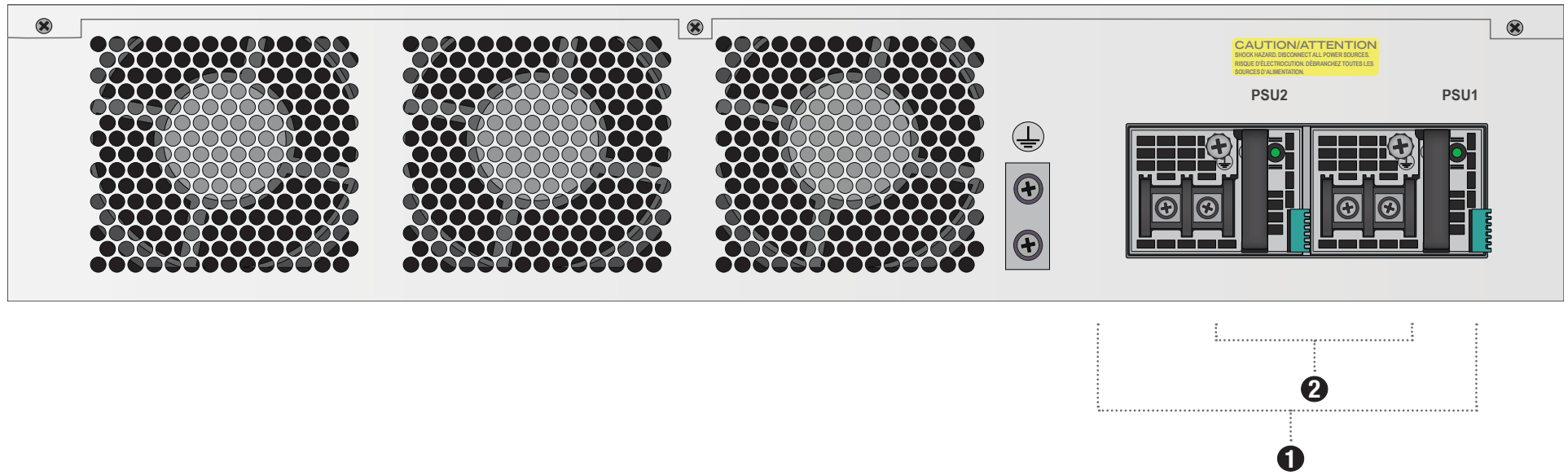


- 1 Redundant Power Supplies (x2)**  
100-240 VAC, 7-3A, 50/60Hz

**2 PSU LED Status**

- **Green:** Power supply providing power
- ⚡ **Flashing Green:** Power supply not providing power
- **Off:** Error or no power
- **Red:** AC cord unplugged or AC power lost
- ⚡ **Flashing Red:** Power supply warning event

## Rear Panel DC Models



### 1 Redundant DC Power Supplies (x2)

-48Vdc to -60Vdc, 12-14A max

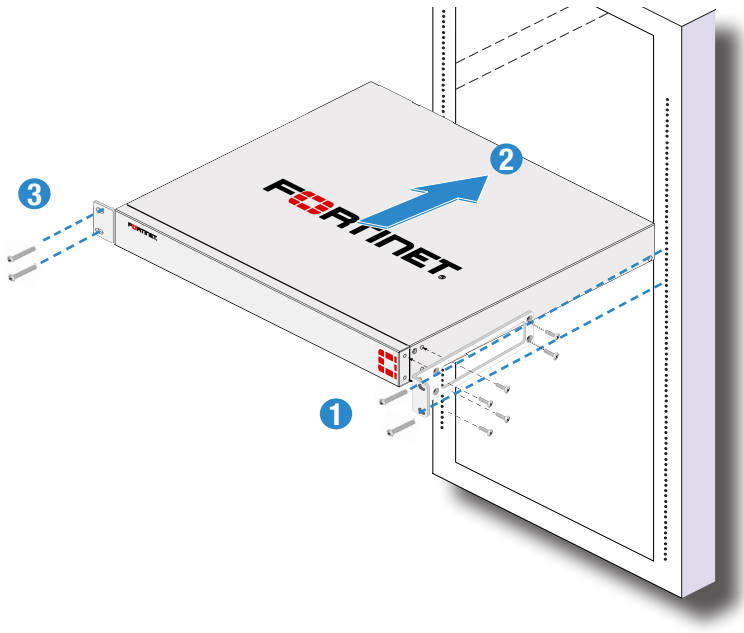
### 2 PSU LED Status

- Green: Input and output operating normally
- Flashing Green: Input power present, no output
- Off: Error or no power
- Amber: No input power, redundant supply is on
- Flashing Amber: Power supply warning events

## Rack Installation

This device mounts in a standard 19 inch rack.

1. **Attach** the provided rack-mount **brackets and screws**
2. **Position** the device and **slide into the rack**
3. **Fasten** rack screws to **secure the device**



**Caution:** Ensure there is at least 1.5 inches of space above and below the device

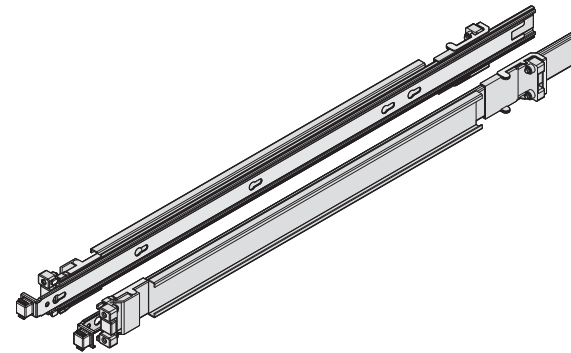
**Warning:** For safety, it is recommended that two people install the device

**Note:** The [optional rail kit](#) uses the 3RU handles (not the 2RU handles).

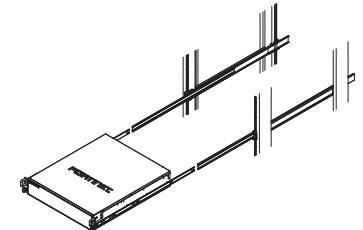
## Rail Slide Kit (Optional)

Sold separately, the rail slide kit can be used to mount the device.

Refer to the product datasheet for details and ordering information.

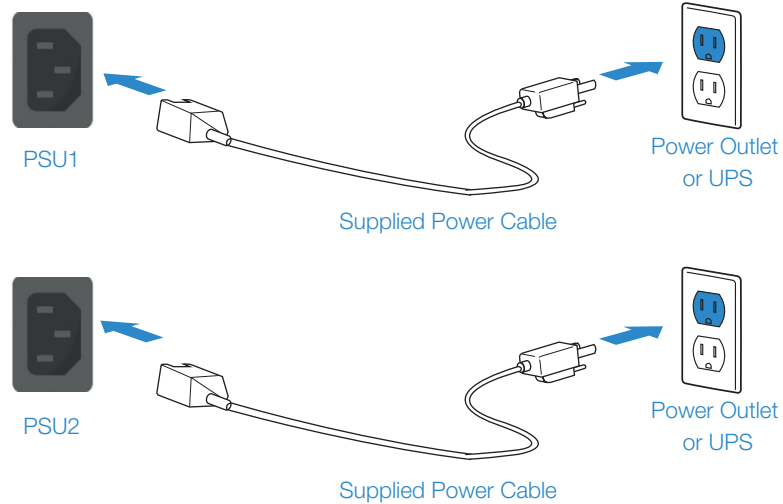


Mounting Rail Assembly



For more information, please visit <http://docs.fortinet.com>

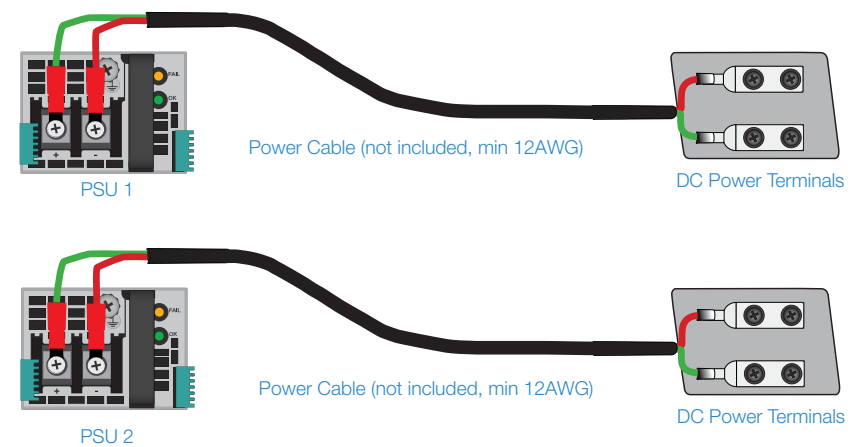
## Basic Connections - AC Model



Plug in your device to a [power outlet](#) using the provided [power cables](#).

**Note:** We recommend connecting your FortiGate to an [uninterruptible power supply \(UPS\)](#) in case of a power outage

## Basic Connections - DC Model

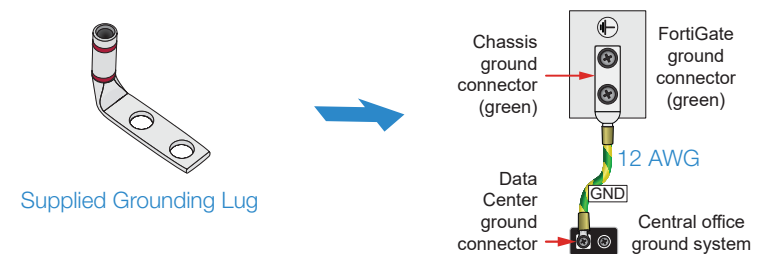


### WARNING:

- This product is only intended for installation and use in a Restricted Access Location.
- The DC power cables are intended to be used only for in-rack wiring; must be routed away from sharp edges, and must be adequately fixed to prevent excessive strain on the wires and terminals.
- DC cables must be a minimum of **12 AWG**.
- Ensure the terminal rings are securely and safely fastened to the PSU terminals.

### Ground connection

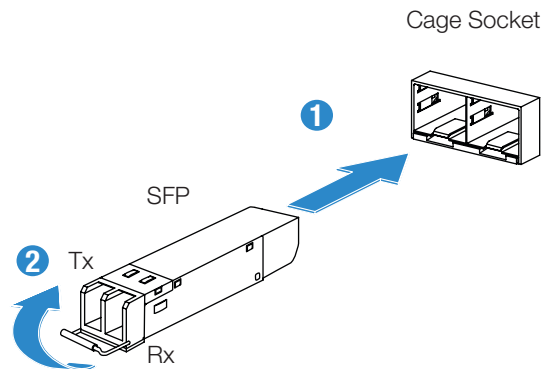
A grounding lug is provided with DC models to be used with a 12 AWG ground wire.



# SFP Installation

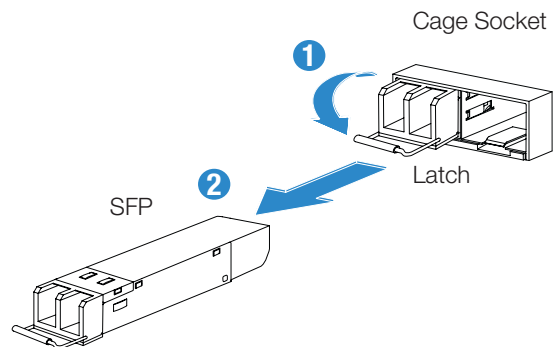
To install the SFP transceivers:

1. Slide the SFP into the cage socket until it clicks into place
2. Lift the latch to lock the SFP



To remove the SFP transceivers:

1. Lower the latch to unlock the SFP
2. Pull the SFP out of the cage socket carefully



# Setup Options

Set up your device locally. Choose one of the following options to complete your setup.



Local Setup

## A GUI

An [easy-to-use GUI](#), compatible with most web browsers. To minimize scrolling, the screen resolution should be at least 1280 x 1024 pixels.



Smartphone Setup

## B FortiExplorer

FortiExplorer for iOS is a [user-friendly iOS application](#) that helps you [configure](#), [manage](#), and [monitor](#) appliances. FortiExplorer rapidly provisions, deploys, and monitors Security Fabric components such as [FortiGate](#), [FortiWiFi](#), and [FortiAP](#) devices.



Local Setup

## C Command Line Interface (CLI)

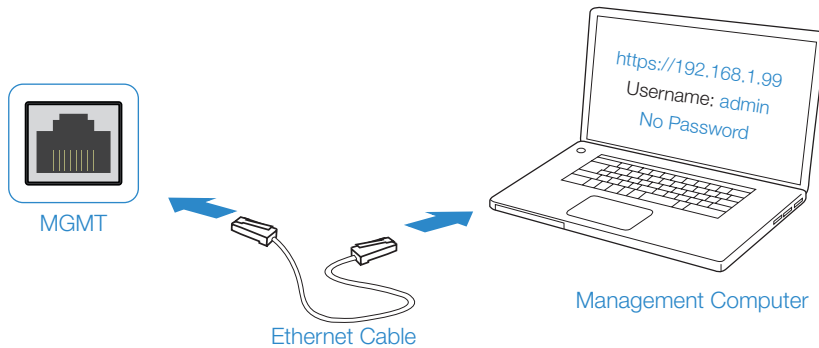
An alternate configuration tool from the web-based manager that uses a [terminal emulation](#) application to [type commands](#) or upload batches of commands from a text file or [configuration script](#). Requires a console cable (available for purchase).

1. Connect **MGMT** to the **Management Computer** using the supplied **Ethernet cable**

2. Enable **DHCP** or set the Management Computer's **IP** and **subnet** to:

**Static IP Address:** 192.168.1.1  
**Subnet Mask:** 255.255.255.0

3. Visit <https://192.168.1.99> in a web browser



4. Log in with username **admin** and **no password**

The screenshot shows the FortiGate login interface. It has a green header with the FortiGate logo. Below the header are two input fields: 'Username' and 'Password'. At the bottom is a green 'Login' button.

5. When prompted to register, enter your **Fortinet credentials**

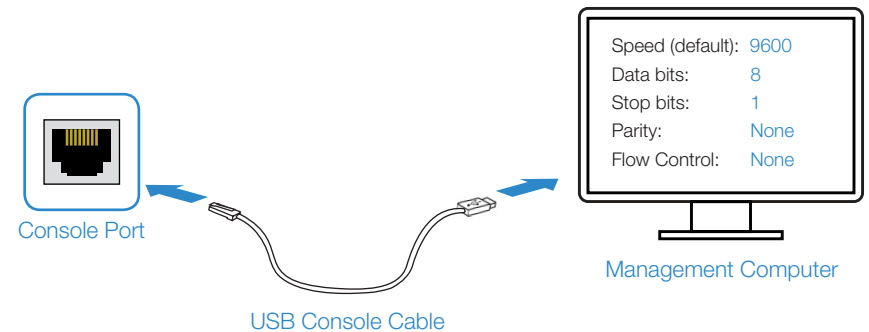
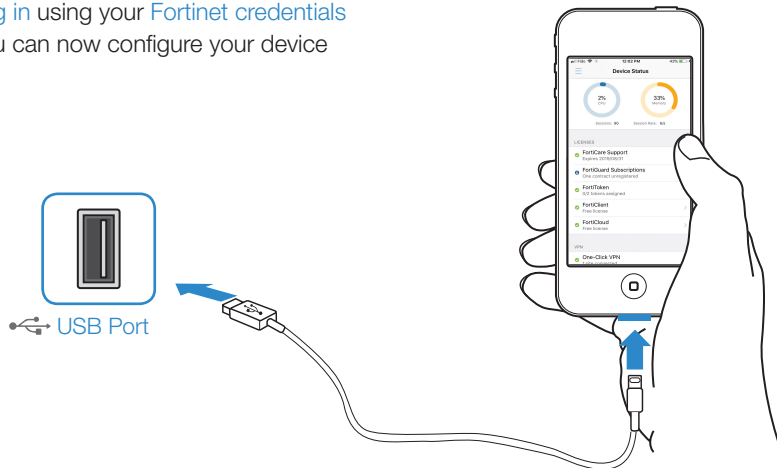
The screenshot shows the 'FortiCare Registration Required' dialog box. It displays the Serial Number 'FG800D3915800295' and has 'Login' and 'Create Account' buttons. There are input fields for 'Email', 'Password', 'Country', and 'Reseller'. A 'Forgot your password?' link is also present. 'OK' and 'Cancel' buttons are at the bottom.

6. The **FortiCare Support Status** in the FortiOS License Information widget will change to **Registered**

| License Information                   |                                       |   |
|---------------------------------------|---------------------------------------|---|
| Entitlement                           | Status                                |   |
| FortiCare Support                     | ✓ Registered                          |   |
| Enhanced Support                      | ✓ 8x5 support - expires on 2020/03/08 |   |
| Virtual Machine                       | ✓ Valid - expires on 2020/03/06       |   |
| Allocated vCPUs                       | 25% 1 / 4                             |   |
| Allocated RAM                         | 1002 MiB                              |   |
| Firmware & General Updates            | ✓ Licensed - expires on 2020/03/08    |   |
| Application Control Signatures        | ⊙ Version 6.00741                     | + |
| Device & OS Identification            | ⊙ Version 1.00084                     |   |
| Internet Service Database Definitions | ⊙ Version 7.00109                     |   |
| Intrusion Prevention                  | ✓ Licensed - expires on 2020/03/08    |   |
| IPS Definitions                       | ⊙ Version 6.00741                     | + |
| IPS Engine                            | ⊙ Version 5.00031                     |   |
| Malicious URLs                        | ⊙ Version 2.00430                     |   |
| Botnet IPs                            | ⊙ Version 1.00000                     |   |

## 1 USB Setup

1. Download and launch the [FortiExplorer iOS App](#)
2. Connect your [Apple Lightning to USB cable](#) to the FortiGate/FortiWiFi [USB port](#)
3. Tap your device when it appears in [FortiExplorer](#)
4. Log in using your [Fortinet credentials](#)
5. You can now configure your device



1. Connect the [Console Port](#) with a [console cable](#) to the [Management Computer](#)
2. Start a [terminal program](#) on the [Management Computer](#) and select an available [COM Port](#) using the following default settings:

**Baud rate:** 9600  
**Data bits:** 8  
**Parity:** None  
**Stop bits:** 1  
**Flow control:** None

3. Log in using your [Fortinet credentials](#)
4. You can now configure your device

```
FortiGate # ?
config      Configure object.
get         Get dynamic and system information.
show        Show configuration.
diagnose    Diagnose facility.
execute     Execute static commands.
exit        Exit the CLI.

FortiGate # config ?
alertemail  Alert email configuration.
antivirus   AntiVirus configuration.
application Application control configuration.
client-reputation Client reputation tracking configuration
dlp         DLP configuration.
endpoint-control Endpoint control configuration.
firewall    Firewall configuration.
ftp-proxy   FTP proxy configuration.
gui         GUI configuration.
icap        ICAP client configuration.
imp2p       IM & P2P policy configuration.
ips         IPS configuration.
--More--
```

**Note:** Type [?](#) for a [list of commands](#). Type a command with [?](#), such as [config ?](#) to list the options. For advanced options, visit [support.fortinet.com](https://support.fortinet.com)

## 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 tel qu'une situation dangereuse n'est pas liée 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.

**Warning:** A readily accessible disconnect device shall be incorporated in the building installation wiring.  
**Avertissement:** Un dispositif de déconnexion facilement accessible doit être incorporé dans l'installation électrique du bâtiment.

**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:** Shock Hazard. Disconnect all power sources.  
**ATTENTION:** Risque d'électrocution. Débranchez toutes les sources d'alimentation.  
**Caution:** Slide/rail mounted equipment is not to be used as a shelf or a work space.  
**Attention:** Un équipement monté sur bâti ne doit pas être utilisé sur une étagère ou dans un espace de travail.

## Regulatory Notices

### 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-003 (A) / NMB-003 (A)

This digital apparatus does not exceed the Class A limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations 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 édicté 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.



### Voluntary Control Council for Interference (VCCI) – Japan

この装置は、クラスA機器です。この装置を住宅環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。

V C C I — A

### Product Safety Electrical Appliance & Material (PSE) – Japan

日本では電気用品安全法(PSE)の規定により、同梱している電源コードは本製品の専用電源コードとして利用し、他の製品に使用しないでください。

### Bureau of Standards Metrology and Inspection (BSMI) – Taiwan

The presence conditions of the restricted substance (BSMI RoHS table) are available at the link below:  
限用物質含有情況表 (RoHS Table) 請到以下 網址下載:  
<https://www.fortinet.com/bsmi>

此為甲類資訊技術設備，於居住環境中使用時，可能會造成射頻擾動，在此種情況下，使用者會被要求採取某些適當的對策。  
英屬蓋曼群島商防特網股份有限公司台灣分公司  
地址：台北市內湖區行愛路176號2樓  
電話：(02) 27961666

### China

此为A级产品，在生活环境中，该产品可能会造成无线电干扰。这种情况下，可能需要用户对其采取切实可行的措施。

### Agência Nacional de Telecomunicações (ANATEL) – Brazil

Este produto não é apropriado para uso em ambientes domésticos, pois poderá causar interferências eletromagnéticas que obrigam o usuário a tomar medidas necessárias para minimizar estas interferências."

Para maiores informações, consulte o site da ANATEL [www.gov.br/anatel/pt-br/](http://www.gov.br/anatel/pt-br/)

### Korea Certification (KC) – Korea

A급 기기 (업무용 방송통신기자재)  
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