



# QuickStart Guide

FortiGate/FortiWiFi®  
40F & 60F Series



# FORTINET®

October 22, 2019

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## Product Registration

Thank you for purchasing a FortiGate/FortiWiFi. To access:

- Cloud Management
- FortiGuard Updates
- Firmware Upgrades
- Technical Support
- Warranty Coverage

Please register your FortiGate/FortiWiFi:

Vous devez enregistrer le produit:

Debe registrar el producto:

登録のお願い:

请马上注册:

<http://support.fortinet.com>







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## Licensing & Services

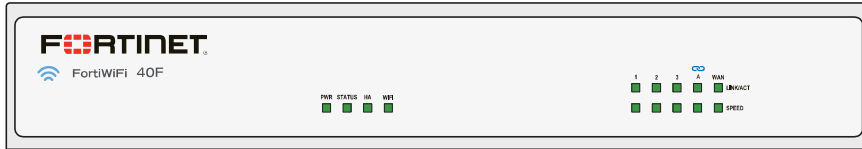
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# Package Contents



FortiGate/FortiWiFi® 40F/41F Series



QuickStart Guide



Power Cable



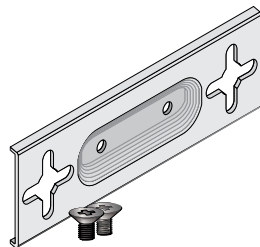
12V Power Adapter



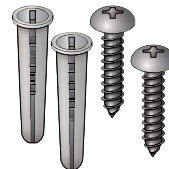
Ethernet Cable



3 WiFi Antennas  
*(FortiWiFi models only)*

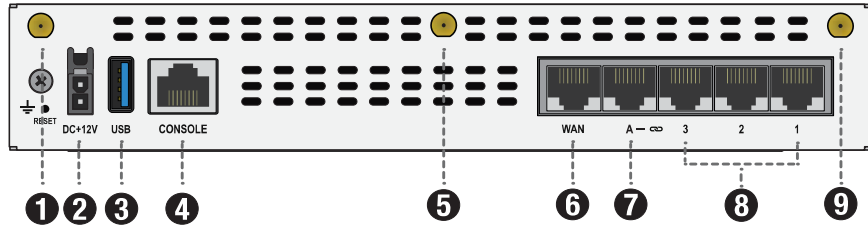


Wall Mount Kit



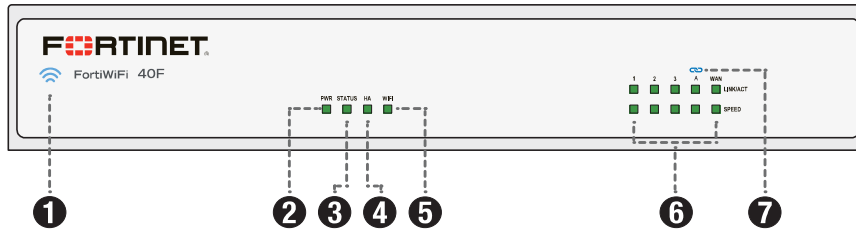
Wall Mount Hardware

## Back Panel



- 1** **Antenna Connection (SMA)** passive directional antenna connection  
*(FortiWiFi models only)*
- 2** **Power 12V DC**, 100-240V AC 50/60Hz adapter
- 3** **USB (USB A)** USB 3.0 server port
- 4** **Console (RJ-45)** CLI management computer connection
- 5** **Antenna Connection (SMA)** passive directional antenna connection  
*(FortiWiFi models only)*
- 6** **WAN (RJ-45)** 1 Gbps Ethernet connection
- 7** **FortiLink Port A (RJ-45)** 1 Gbps Ethernet FortiLink auto-detect connection
- 8** **Ethernet Ports 1 to 3 (RJ-45)** 1 Gbps Ethernet connections
- 9** **Antenna Connection (SMA)** passive directional antenna connection  
*(FortiWiFi models only)*

# Front Panel



- |  |   |   |  |
|--|---|---|--|
|  | <p><b>1 LOGO</b></p> <p><b>2 PWR</b></p> <p><b>3 STATUS</b></p> <p><b>4 HA</b></p> <p><b>5 WIFI</b><br/><i>(FortiWiFi models only)</i></p> <p><b>6 PORT LINK/ACT</b></p> <p><b>PORT SPEED</b></p> <p><b>7 FortiLink</b></p> | <p><b>FortiGate</b> <i>(FortiGate models)</i></p> <p>Green: The device is on<br/>Off: The device is off</p> <p>Green: Power is on<br/>Off: Power is off</p> <p>Green: Normal<br/>Flashing Green: Booting up</p> <p>Green: Operating in an HA cluster<br/>Amber: HA failover<br/>Off: Not in an HA cluster</p> <p>Green: WiFi connected<br/>Flashing Green: WiFi activity<br/>Off: WiFi is off</p> <p>Green: Connected<br/>Flashing Green: Transmitting data<br/>Off: No link established</p> <p>Green: Connected at 1Gbps<br/>Amber: Connected at 100Mbps<br/>Off: Not connected or 10Mbps</p> <p>FortiLink interface</p> | <p><b>FortiWiFi</b> <i>(FortiWiFi models)</i></p> <p>Blue: The device is on<br/>Off: The device is off</p> |
|--|---|---|--|



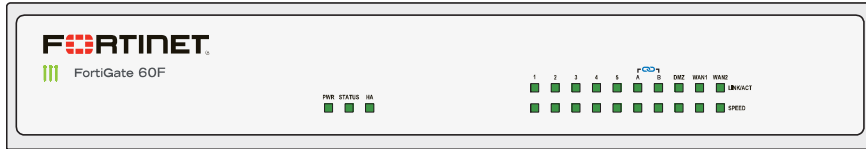


40F/41F





# Package Contents



FortiGate/FortiWiFi® 60F/61F Series



QuickStart Guide



Power Cable



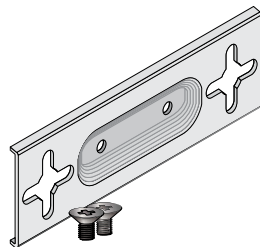
12V Power Adapter



Ethernet Cable



3 WiFi Antennas  
*(FortiWiFi models only)*

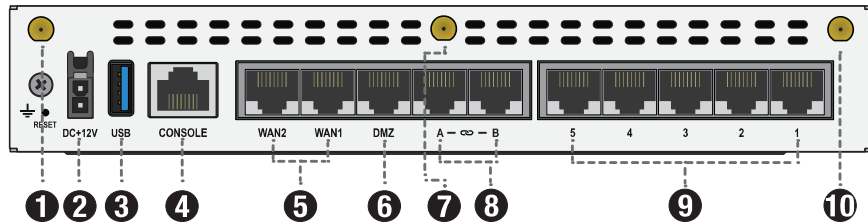


Wall Mount Kit



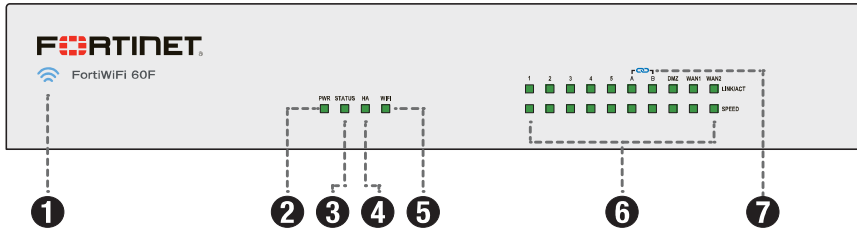
Wall Mount Hardware

## Back Panel



- 1** **Antenna Connection (SMA)** passive directional antenna connection  
*(FortiWiFi models only)*
- 2** **Power** 12V DC, 100-240V AC 50/60Hz adapter
- 3** **USB (USB A)** USB 3.0 server port
- 4** **Console (RJ-45)** CLI management computer connection
- 5** **WAN1 & WAN2 (RJ-45)** 1 Gbps Ethernet connections
- 6** **DMZ (RJ-45)** 1 Gbps Ethernet connection
- 7** **Antenna Connection (SMA)** passive directional antenna connection  
*(FortiWiFi models only)*
- 8** **FortiLink Ports A & B (RJ-45)** 1 Gbps Ethernet FortiLink auto-detect connections
- 9** **Ethernet Ports 1 to 5 (RJ-45)** 1 Gbps Ethernet connections
- 10** **Antenna Connection (SMA)** passive directional antenna connection  
*(FortiWiFi models only)*

# Front Panel

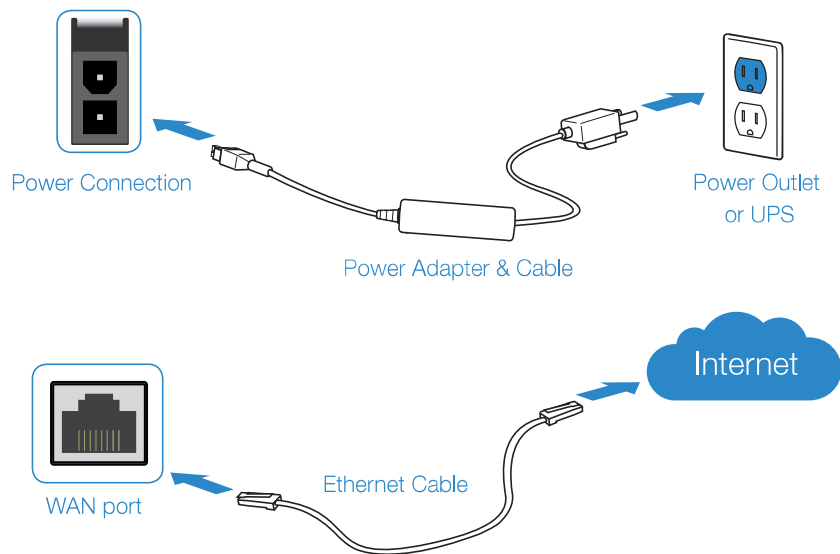


- 1 LOGO**
  - FortiGate** (FortiGate models)
    - Green: The device is on
    - Off: The device is off
  - FortiWiFi** (FortiWiFi models)
    - Blue: The device is on
    - Off: The device is off
  
- 2 PWR**
  - Green: Power is on
  - Off: Power is off
  
- 3 STATUS**
  - Green: Normal
  - Flashing Green: Booting up
  
- 4 HA**
  - Green: Operating in an HA cluster
  - Amber: HA failover
  - Off: Not in an HA cluster
  
- 5 WIFI** (FortiWiFi models only)
  - Green: WiFi connected
  - Flashing Green: WiFi activity
  - Off: WiFi is off
  
- 6 PORT LINK/ACT**
  - Green: Connected
  - Flashing Green: Transmitting data
  - Off: No link established
  
- PORT SPEED**
  - Green: Connected at 1Gbps
  - Amber: Connected at 100Mbps
  - Off: Not connected or 10Mbps
  
- 7 FortiLink** : FortiLink interfaces

# Installation

Your FortiGate/FortiWiFi includes a wall mount kit and connection cables. Desktop installation, rack mount and slide-rail kits are also available.

## Basic Connections



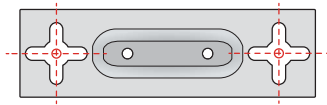
1. Plug in your device to a [power outlet](#) using the provided [power cable](#)
2. Connect a [WAN port](#) to the [internet](#) using the supplied [Ethernet cable](#)

**Note:** It is recommended to connect your FortiGate/FortiWiFi to an [uninterruptible power supply \(UPS\)](#) in case of a power outage

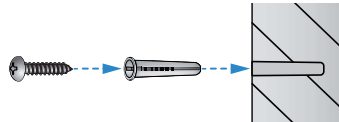


## Wall Mount Option

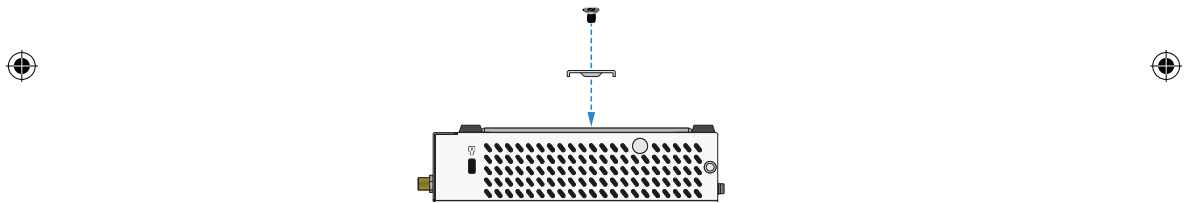
1. Mark the location of the holes using the mounting bracket



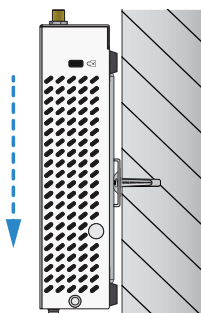
2. Drill holes for the anchors
3. Insert the anchors and then screw in the screws with 2mm exposed



4. Fasten the mounting bracket



5. Position the device and slide into place

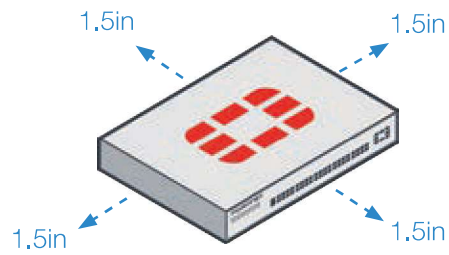


6. Plug the provided power cable into the rear of the unit and then into a grounded electrical outlet or separate power source



## Desktop Option

1. Place the unit on a flat, clean and stable surface
2. Ensure there is at least 1.5in of clearance for adequate airflow



Installation

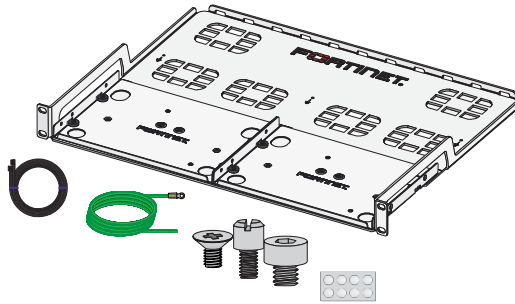
3. Plug the provided power cable into the rear of the unit and then into a grounded electrical outlet or separate power source





## Rack/Rail Mount Option

Fortinet carries a variety of standard and custom rack and rail mount accessories, including a 60F rack mount tray kit, SP-RACKTRAY-02.



SP-RACKTRAY-02

**Ordering:** Contact Fortinet to order [brackets](#), [rail slide kits](#), [rack mount kits](#) and other [accessories](#), such as a [console cable](#)



# Setup Options

Set up your device locally or on the cloud. Choose one of the following options to complete your setup, then configure your device.



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.



Cloud Setup

## B FortiGate Cloud

FortiGate Cloud is a [cloud-based](#) infrastructure management solution and log retention service. It provides [centralized reporting](#), [traffic analysis](#), [configuration management](#), and [log retention](#) without the need for additional hardware and software.



Smartphone Setup

## C 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

## D 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).

Setup

## A GUI

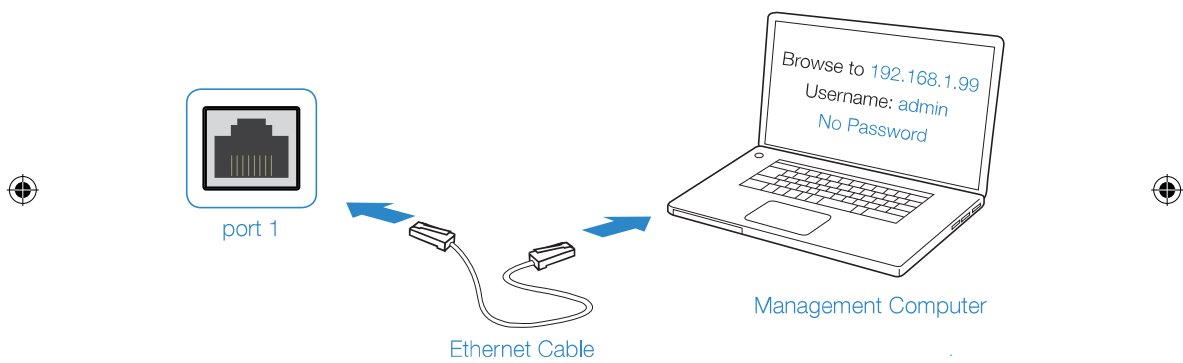
1. Connect **port 1** to the **Management Computer** using the supplied **Ethernet cable**

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 **192.168.1.99** in a web browser



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

The screenshot shows a web-based login interface. It features a green header bar with a grid icon. Below the header, there are two input fields: 'Username' and 'Password'. A green 'Login' button is positioned below the password field.

5. When prompted to register, enter your FortinetOne credentials



FortiCare Registration Required

Serial Number: FG800D3915800295

Action:

Email:

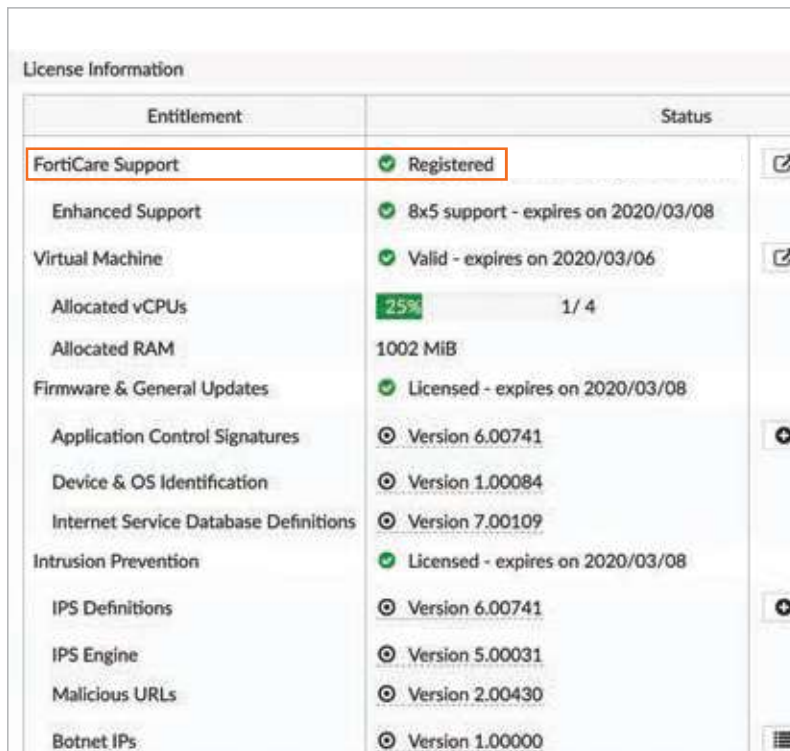
Password:

Forgot your password?

Country:

Reseller:

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

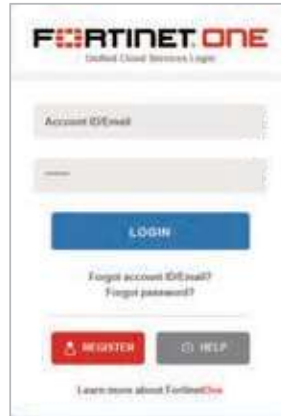


Entitlement	Status
FortiCare Support	Registered
Enhanced Support	8x5 support - expires on 2020/03/08
Virtual Machine	Valid - expires on 2020/03/06
Allocated vCPUs	25% 1 / 4
Allocated RAM	1002 MiB
Firmware & General Updates	Licensed - expires on 2020/03/08
Application Control Signatures	Version 6.00741
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

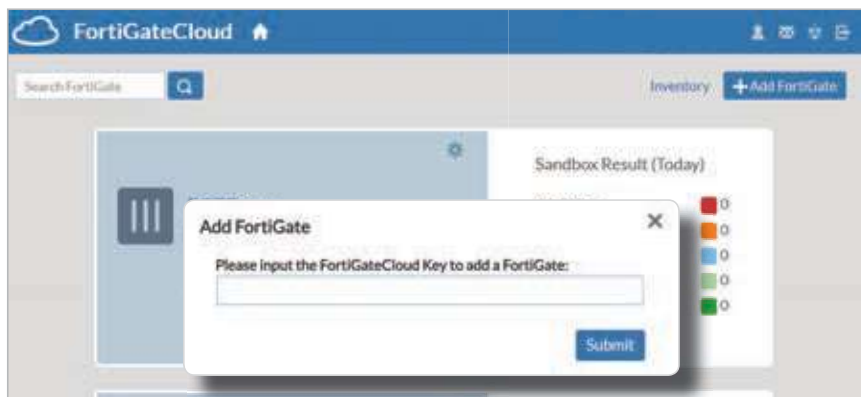
Setup

## B FortiGate Cloud

1. Log in to [forticloud.com](https://forticloud.com) using your FortinetOne credentials



2. Click [Add FortiGate](#) and enter the [Cloud Key](#) located on the [sticker](#) on your device

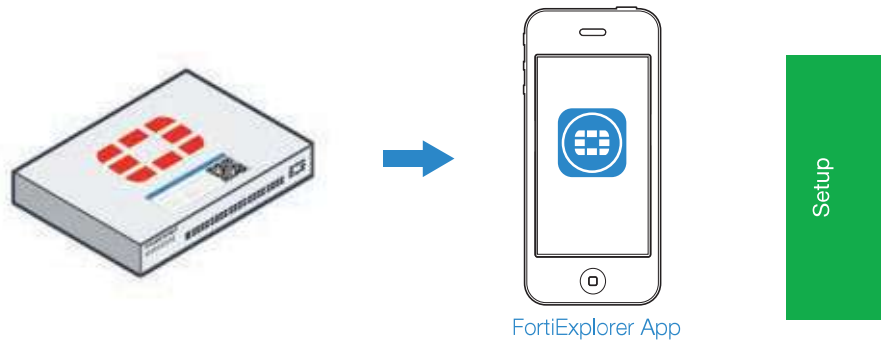


3. You can now manage your device from the cloud

**Note:** To get a [FortinetOne account](https://support.fortinet.com), register at [support.fortinet.com](https://support.fortinet.com)

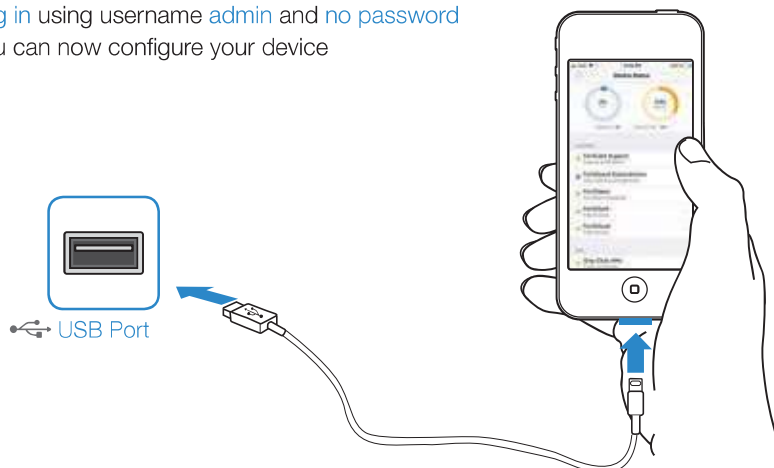
## 1 Cloud Key Setup

1. [Download](#) and launch the [FortiExplorer iOS App](#)
2. Tap [Devices](#), then tap [Add](#)
3. Select [FortiGate Cloud](#) and log in using your [FortinetOne credentials](#)
4. [Scan](#) the [QR code](#) on the Cloud Key
5. [Log in](#) to your device using username [admin](#) and [no password](#)
6. You can now configure your device

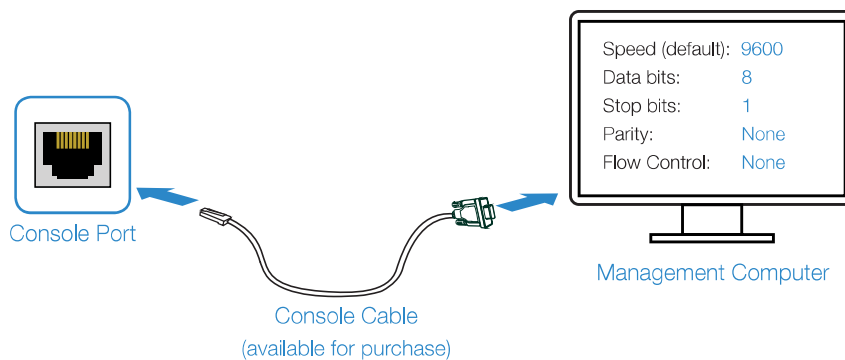


## 2 USB Setup

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 username [admin](#) and [no password](#)
5. You can now configure your device



## D CLI



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 username **admin** and **no password**
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](http://support.fortinet.com)



## Resources

Refer to the following resources to continue your FortiGate/FortiWiFi setup.

### FortiGate Documentation Library

Up-to-date hardware and software guides

<https://docs.fortinet.com/fortigate>

### Fortinet Customer Service & Support

Access knowledge bases, resource libraries and contact support

<https://support.fortinet.com/>

### Fortinet Video Tutorials

FortiOS Tips, Web GUI tutorials, SD-WAN tricks and more

<http://video.fortinet.com>

### FortiGuard Labs

Discover FortiGuard's Zero-Day Research, Weekly Threat Briefs and Threat Lookups

<https://fortiguard.com/>

### FortiGate Cloud

Analyze centralized reporting, traffic analysis, configuration management and logs

<https://forticloud.com>



Setup



## Register for Free Licenses & Services

Simplify and leverage provisioning, management, and analytics with FortiGate Cloud's centralized administration. Extend online logs and analysis to 1 full year with a subscription.

**FortiGate Cloud 7 Days of Data Retention**

Make remote access simple.  
Use [yourcompany.fortiddns.com](https://yourcompany.fortiddns.com) instead of a hard-to-remember IP address.

**Fortinet DDNS Service**

