



QuickStart Guide

FortiGate/FortiWiFi®
40F & 60F Series



FORTINET®

October 22, 2019

Copyright© 2019 Fortinet, Inc. All rights reserved. Fortinet®, FortiGate®, FortiCare® and FortiGuard®, and certain other marks are registered trademarks of Fortinet, Inc., in the U.S. and other jurisdictions, and other Fortinet names herein may also be registered and/or common law trademarks of Fortinet. All other product or company names may be trademarks of their respective owners. Performance and other metrics contained herein were attained in internal lab tests under ideal conditions, and actual performance and other results may vary. Network variables, different network environments and other conditions may affect performance results. Nothing herein represents any binding commitment by Fortinet, and Fortinet disclaims all warranties, whether express or implied, except to the extent Fortinet enters a binding written contract, signed by Fortinet's General Counsel, with a purchaser that expressly warrants that the identified product will perform according to certain expressly-identified performance metrics and, in such event, only the specific performance metrics expressly identified in such binding written contract shall be binding on Fortinet. For absolute clarity, any such warranty will be limited to performance in the same ideal conditions as in Fortinet's internal lab tests. In no event does Fortinet make any commitment related to future deliverables, features or development, and circumstances may change such that any forward-looking statements herein are not accurate. Fortinet disclaims in full any covenants, representations, and guarantees pursuant hereto, whether express or implied. Fortinet reserves the right to change, modify, transfer, or otherwise revise this publication without notice, and the most current version of the publication shall be applicable.





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>







Table of Contents

Product Series

FortiGate/FortiWiFi 40F Series	6
FortiGate/FortiWiFi 60F Series	10

Installation

Basic Connections	13
Wall Mount Option	14
Desktop Option	15
Rack/Rail Mount Option	16

Setup

Setup Options	17
GUI	18
FortiGate Cloud	20
FortiExplorer	21
Command Line Interface (CLI)	22
Resources	23

Licensing & Services

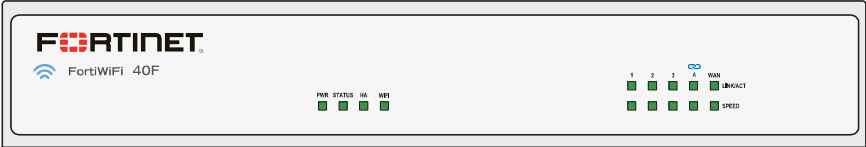
Free Licences & Services	24
FortiCare Subscriptions	26
Bundled Services with FortiCare	28

About Fortinet

Fortinet Security Fabric	30
FortiGate Security Fabric Integration	32
Solution Spotlight: Secure SD-WAN	34
Fortinet Security Processors	36
Corporate Overview	38
Regulatory Compliance Information	40



Package Contents



FortiGate/FortiWiFi® 40F/41F Series



QuickStart Guide



Power Cable



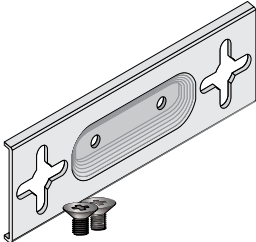
12V Power Adapter



Ethernet Cable



3 WiFi Antennas
(FortiWiFi models only)

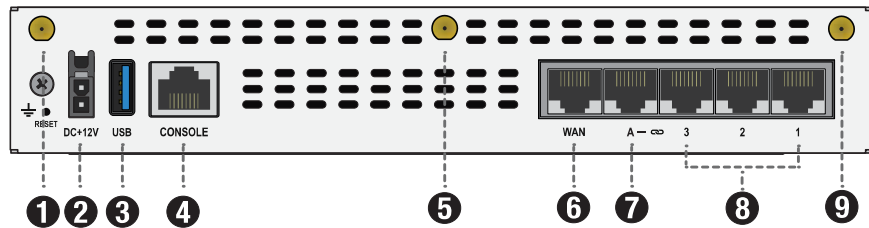


Wall Mount Kit



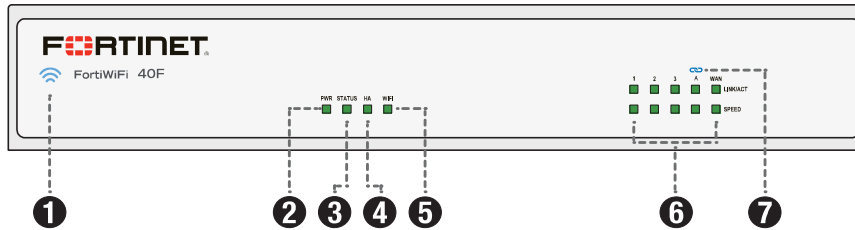
Wall Mount Hardware

Back Panel

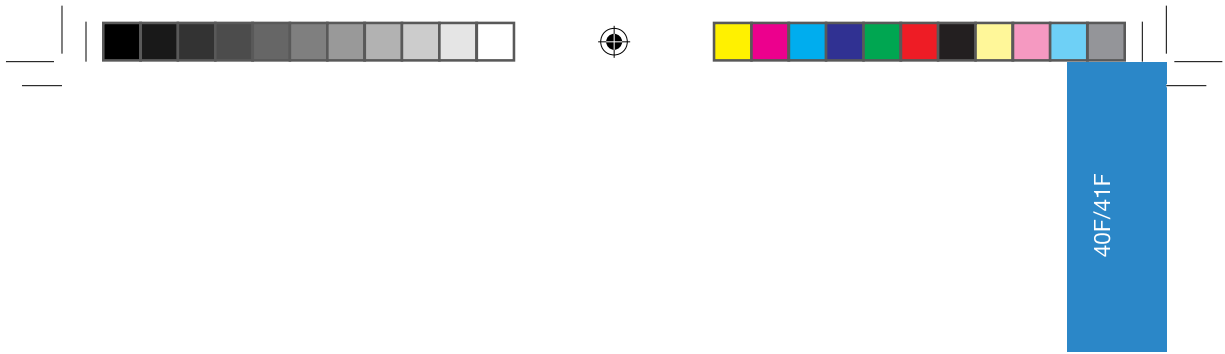


- 1 Antenna Connection (SMA)** passive directional antenna connection
(FortiWiFi models only)
- 2 Power** 12V DC, 100-240V AC 50/60Hz adapter
- 3 USB (USB A)** USB 3.0 server port
- 4 Console (RJ-45)** CLI management computer connection
- 5 Antenna Connection (SMA)** passive directional antenna connection
(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

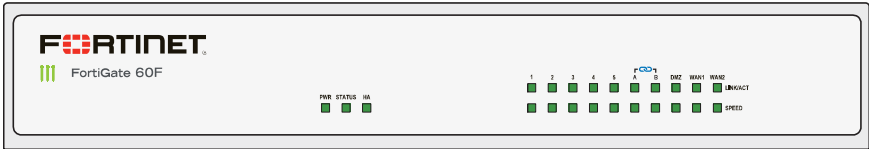


- | | | |
|--|--|---|
| 1 LOGO | FortiGate (FortiGate models)
Green: The device is on
Off: The device is off | FortiWiFi (FortiWiFi models)
Blue: The device is on
Off: The device is off |
| 2 PWR | Green: Power is on
Off: Power is off | |
| 3 STATUS | Green: Normal
Flashing Green: Booting up | |
| 4 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 interface | |





Package Contents



FortiGate/FortiWiFi® 60F/61F Series



QuickStart Guide



Power Cable



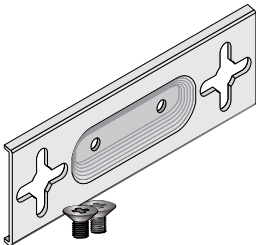
12V Power Adapter



Ethernet Cable



3 WiFi Antennas
(FortiWiFi models only)

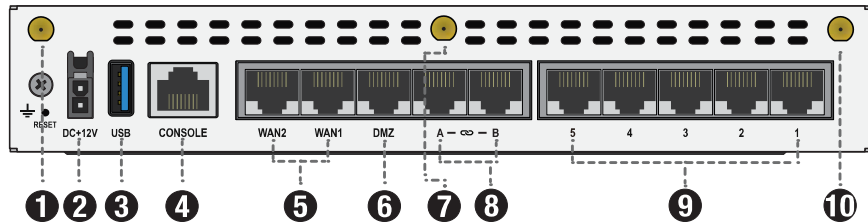


Wall Mount Kit



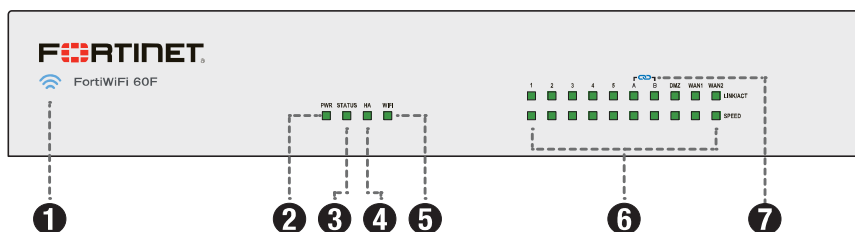
Wall Mount Hardware

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

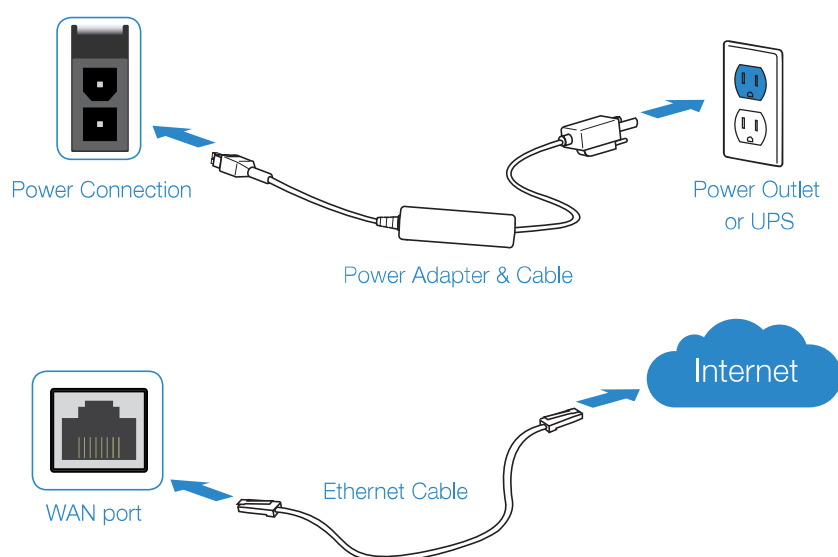


- | | | |
|--|--|---|
| 1 LOGO | FortiGate (FortiGate models)
Green: The device is on
Off: The device is off | FortiWiFi (FortiWiFi models)
Blue: The device is on
Off: The device is off |
| 2 PWR | Green: Power is on
Off: Power is off | |
| 3 STATUS | Green: Normal
Flashing Green: Booting up | |
| 4 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



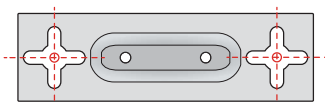
1. Plug in your device to a [power outlet](#) using the provided [power cable](#)
2. Connect a [WAN port](#) to the [internet](#) using the supplied [Ethernet cable](#)

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



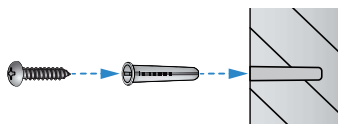
Wall Mount Option

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

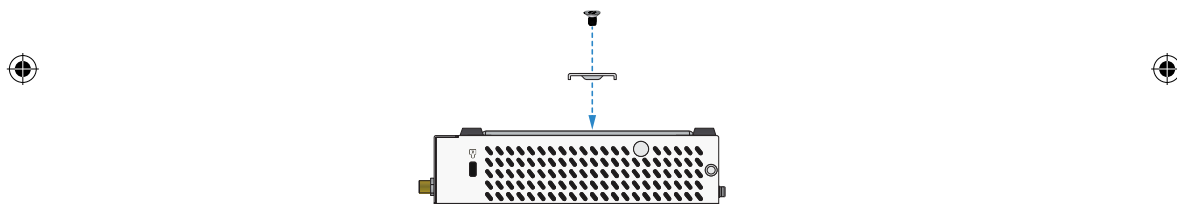


2. Drill holes for the anchors

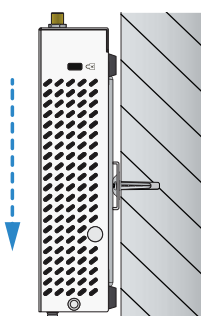
3. Insert the anchors and then screw in the screws with 2mm exposed



4. Fasten the mounting bracket



5. Position the device and slide into place

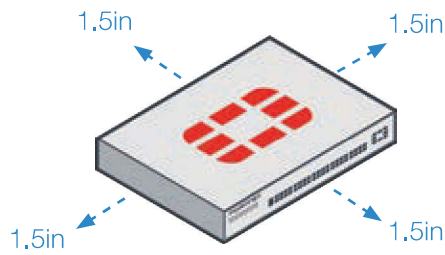


6. Plug the provided power cable into the rear of the unit and then into a grounded electrical outlet or separate power source



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

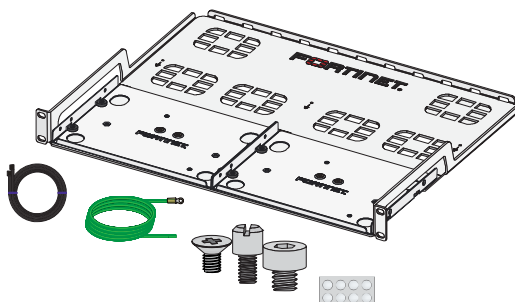
3. Plug the provided power cable into the rear of the unit and then into a grounded electrical outlet or separate power source





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

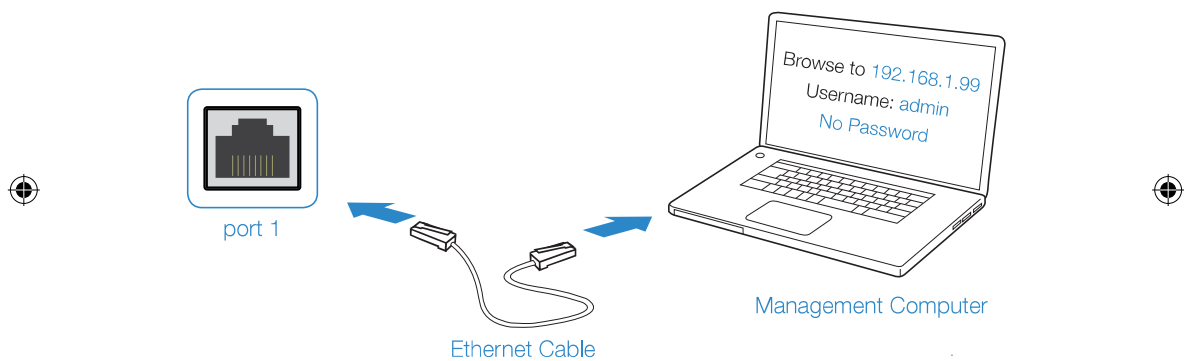
D Command Line Interface (CLI)

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 logo. 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:

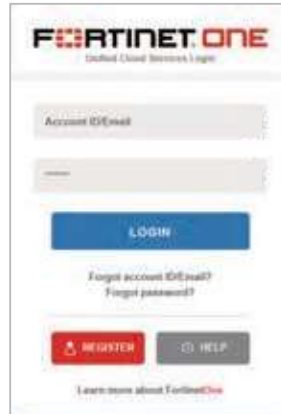
6. The [FortiCare Support Status](#) in the FortiOS License Information widget will change to [Registered](#)

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

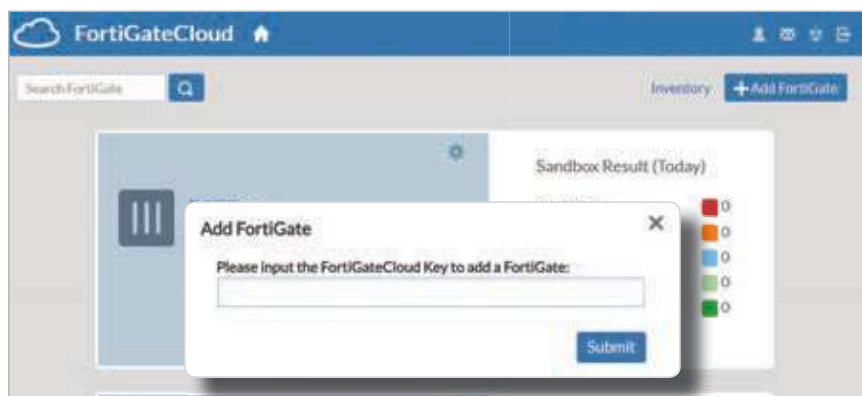
Setup

B FortiGate Cloud

1. Log in to forticloud.com using your FortinetOne credentials



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

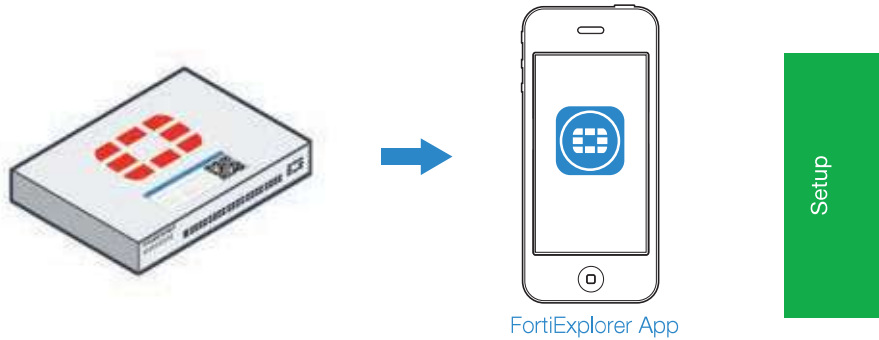


3. You can now manage your device from the cloud

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

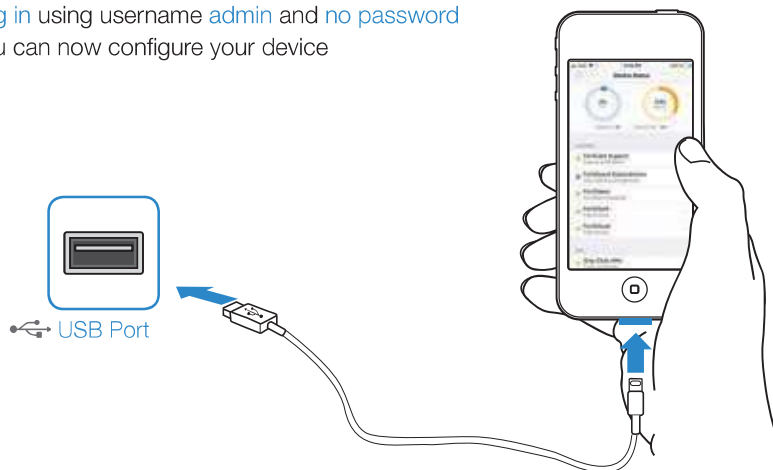
1 Cloud Key Setup

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

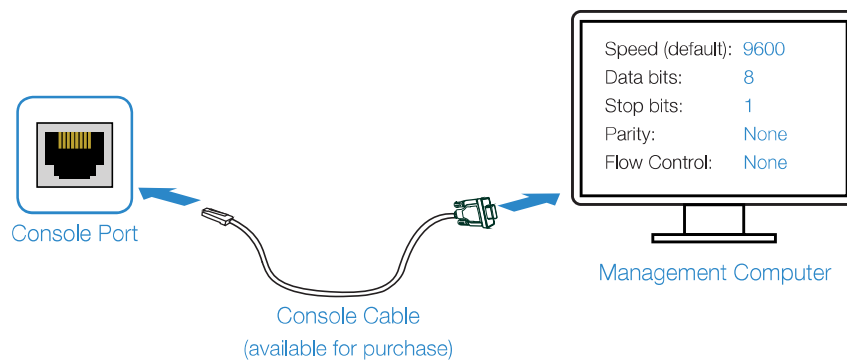


2 USB Setup

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



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 instead of a hard-to-remember IP address.

Fortinet DDNS Service

