




FORTINET FortiGate 80F Series Network Security Firewall User Guide

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FORTINET FortiGate 80F Series Network Security Firewall



Before you begin

Register your device to access FortiGuard updates, cloud management, firmware upgrades, technical support and warranty coverage. <http://support.fortinet.com>

FortiExplorer App

Rapidly provision, deploy, and monitor Security Fabric components including FortiGate and FortiWiFi devices from your mobile. Download now for free.



Scan the QR Code or visit: <https://links.fortinet.com/fortiexplorer/downloads>

The Essentials

Default Logins

- <https://192.168.1.99>
- Username: admin
- Password: leave blank

Admin Guide

For a detailed Getting Started guide, setup and configuration information, refer to the Admin Guide on <https://docs.fortinet.com/>

Customer Service

For contracts, licensing, product registration and account management, contact FortiCare Support at <https://www.fortinet.com/support/contact>

Self-service Resources

Access our knowledge base, forums, videos and technical experts at <https://www.fortinet.com/support/support-services/forticare-support>

Package Contents

FortiGate 80F Series

FG-80F, FG-81F, FG-80F-BYPASS, FG-80F-POE, and FG-81F-POE



FortiGate Device



QuickStart Guide



1x DC Power Adapter



1x Power Cable



1x Ethernet Cable

Quick Setup

Unpack the box, power the device, plug the Ethernet cable from a WAN port to the Internet and launch FortiExplorer using one of the following:

BLE Auto Detection

1. Enable Bluetooth on your Fortinet device and your mobile, then place them near each other
2. FortiExplorer will automatically detect your device
3. Follow the on-screen instructions to complete your setup

USB Connectivity

1. Connect your mobile to your Fortinet device with a USB cable
2. If the device is not detected, navigate to My Fabric, tap Add and follow the FortiExplorer's on-screen instructions
3. FortiGate Cloud Key Registration
4. Navigate to My Fabric, then tap Add
5. Scan the FortiGate Cloud Key located on your Fortinet device
6. Follow the on-screen instructions to complete your setup

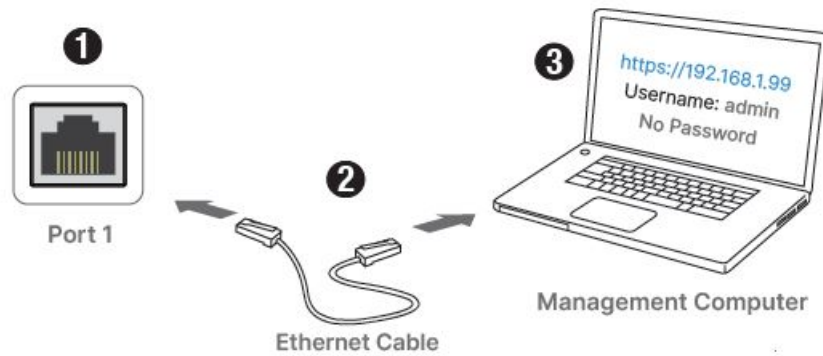
Note:

FortiExplorer can manage FortiGates without WiFi capabilities once they have been provisioned to allow HTTP/S admin access

Additional Setup Options

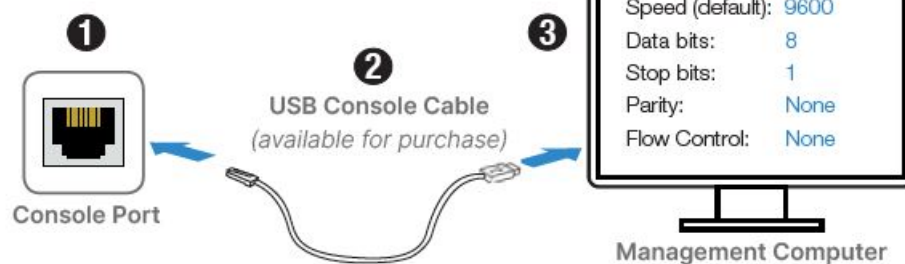
Set up your Fortinet device locally or connect using forticloud.com

GUI



Note: For static IP configuration, use 192.168.1.1 with subnet mask 255.255.255.0

CLI

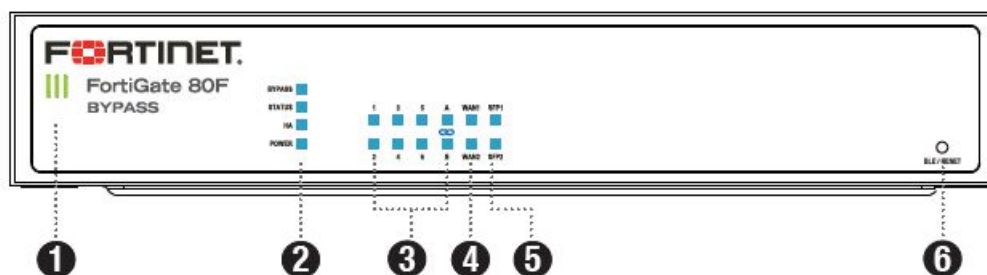


Note: For a detailed CLI guide, visit docs.fortinet.com

FortiGate Cloud Key

1. Go to forticloud.com and login with your FortiCloud Credentials or Register
2. Follow the on-screen instructions, then click Add FortiGate
3. Enter the FortiGate Cloud Key located on the sticker of your device

Front – FG 80F Series



1. LOGO

- FortiGate
- Green: The device is on
- Off: The device is off

2. BYPASS

- Amber: Bypass Port Pair is active
- Off: Bypass Port Pair is off

3. STATUS

- Green: Operating normally; BLE is off
- Flashing Green: Booting up
- Flashing Amber: BLE is on

4. HA

- Green: Operating in an HA cluster
- Amber: HA failover
- Off: Not in an HA cluster

5. POWER

- Green: Both power supplies are functioning
- Amber: One power supply is functioning
- Off: Power is off

6. PORT LINK/ACT

- Flashing Green: 1000M/100M/10M data activity
- Off: No link established

7. WAN

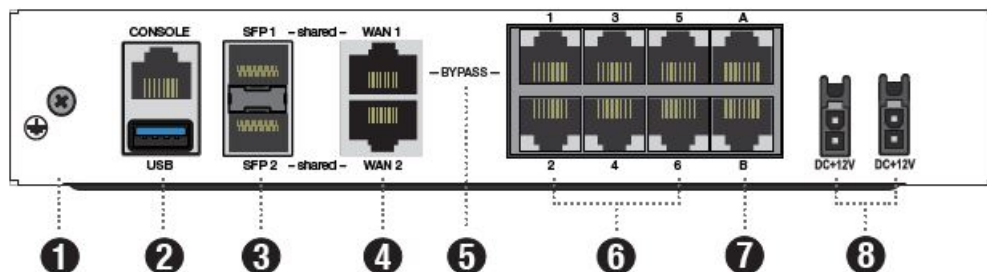
- Flashing Green: 1000M/100M/10M data activity
- Off: No link established

8. SFP

- Flashing Green: 1000M/100M/10M data activity
- Off: No link established

9. BLE/RESET

- Activates BLE management or restores to factory default

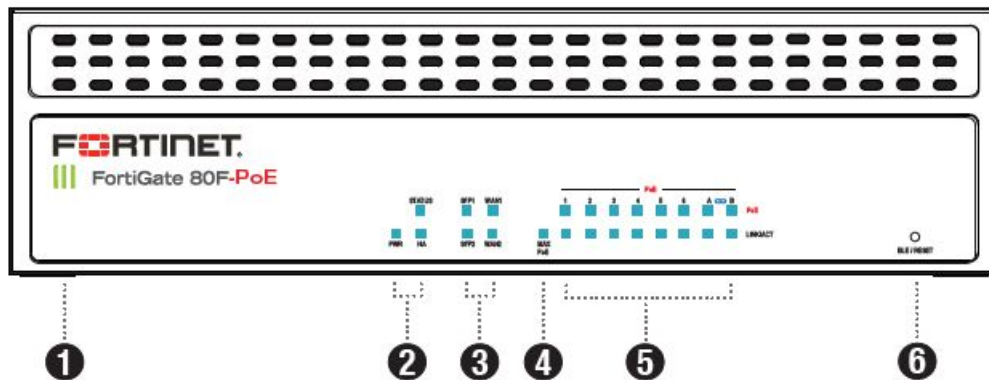


1. Grounding Screw additional protective earth connection, reserved for applications where a permanent local connection of protective earth is required
2. Console (RJ-45) CLI management computer interface
3. USB (USB A) USB 3.0 server port
4. SFP Shared Ports 1 & 2 (SFP) 1 Gbps SFP interface
5. WAN Shared Ports 1 & 2 (RJ45) 1 Gbps Ethernet interface
6. BYPASS Port Pair (RJ45) 1 Gbps Ethernet interface
7. (FG 80F-Bypass model only. WAN1 & Port1 are the default configuration)
8. Ports 1 to 6 (RJ-45) 1 Gbps Ethernet interface
9. FortiLink Ports A & B (RJ-45) 1 Gbps Ethernet interface

10. Power Input 12V DC 3A, 100-240V AC 50/60Hz

11. (optional redundant power adapter and cable available for purchase)

Front – FG 80F-POE Series



1. LOGO

- FortiGate
- Green: The device is on
- Off: The device is off

2. BYPASS

- Amber: Bypass Port Pair is active
- Off: Bypass Port Pair is off

3. STATUS

- Green: Operating normally; BLE is off
- Flashing Green: Booting up
- Flashing Amber: BLE is on

4. HA

- Green: Operating in an HA cluster
- Amber: HA failover
- Off: Not in an HA cluster

5. POWER

- Green: Both power supplies are functioning
- Amber: One power supply is functioning
- Off: Power is off

6. PORT LINK/ACT

- Flashing Green: 1000M/100M/10M data activity
- Off: No link established

7. WAN

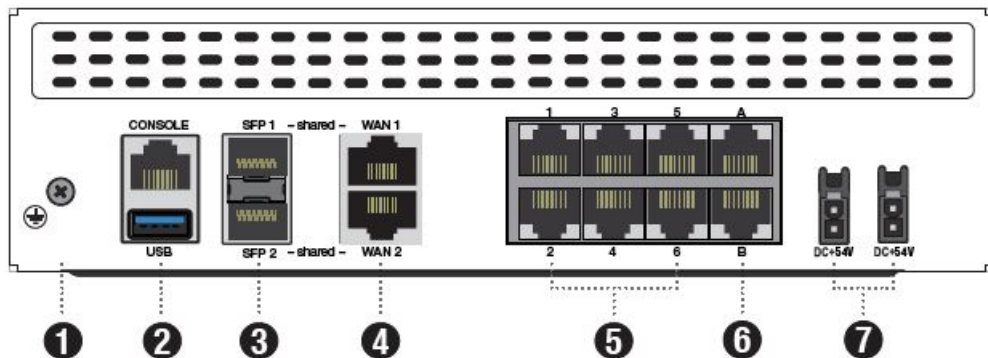
- Flashing Green: 1000M/100M/10M data activity
- Off: No link established

8. SFP

- Flashing Green: 1000M/100M/10M data activity
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9. BLE/RESET

- Activates BLE management or restores to factory default



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Cautions and Warnings

Environmental specifications Ambient operating temperature: 0°C to 40°C

Safety

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.

CAUTION:

There is a danger of explosion if a battery is incorrect replaced. Replace only with the same or equivalent type. Dispose batteries of according to the manufacturer's instructions. Disposing a battery into fire, a hot oven, mechanically crushing, or cutting it can result in an explosion. Leaving a battery in an extremely hot environment can result in leakage of flammable liquid, gas, or an explosion. If a battery is subjected to extremely low air pressure, it may result in leakage of flammable liquid, gas, or an explosion. This product is intended to be supplied by a Listed pluggable A via Class I external power supply adapter by means of a power cord connected to a socket-outlet with earthing connection.

Caution:

This equipment is to be used in a Network Environment 0 per IECTR 62101. This product is connected only to PoE networks without routing to the outside plant. 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. 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 #12AWG and the connection is to be installed by a qualified service personnel

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 B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in residential installation. 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. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
 - Reorient or relocate the receiving antenna.
 - Increase the separation between the equipment and receiver.
 - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
 - Consult the dealer or an experienced radio/TV technician for help.

WARNING:

Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

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

This Class B digital apparatus complies with Canadian ICES-003.

Innovation, Science and Economic Development (ISED) – Canada

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

Simplified EU Declaration of Conformity

This declaration is only valid for Fortinet products (including combinations of software, firmware and hardware) provided by Fortinet or Fortinet's authorized partners to the end-customer directly for use within the EU or countries that have implemented the EU Directives and/or spectrum regulation. Any Fortinet products not obtained directly from Fortinet or Fortinet's authorized partners may not comply with EU Directives and Fortinet makes no assurances for such products.

Documents / Resources

<div></div> <div>QuickStart Guide <small>FortiGate 80F Series</small></div>	<div>FORTINET FortiGate 80F Series Network Security Firewall [pdf] User Guide</div> <div>FortiGate 80F Series, Network Security Firewall</div>
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References

-  [FortiGate Cloud](#)
-  [Global Leader of Cybersecurity Solutions and Services | Fortinet](#)
-  [Welcome](#)
-  [Anatel — Agência Nacional de Telecomunicações](#)