

QuickStart Guide

FortiGate/FortiWiFi 40F & 60F Series

Before you begin

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

<http://support.fortinet.com>



This document is prepared in English and French. In case of conflict between them, the English version shall prevail over the French version.

This guide covers: FG-40F, FWF-40F, FG-40F-3G4G, FWF-40F-3G4G, FG-60F, FG-61F, FWF-60F and FWF-61F

December 1, 2022

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The Essentials

Default Logins



https://192.168.1.99
Username: **admin**
Password: **leave blank**



SSID: **fortinet**
Password: **fortinet**

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

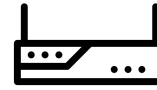
Access our knowledge base, forums, videos and technical experts at <https://www.fortinet.com/support/support-services/forticare-support>

Thank you for choosing Fortinet

Package Contents

FortiGate/FortiWiFi 40F Series

FG-40F, FWF-40F, FG-40F-3G4G, FWF-40F-3G4G



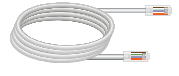
FortiGate/ FortiWiFi
Device



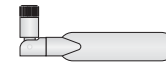
QuickStart Guide



1x DC Power Adapter with
3 Adapters



1x Ethernet Cable



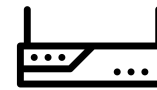
3x Cellular Antennas
(3G4G models only)



3x WiFi Antennas
(WiFi models only)

FortiGate/FortiWiFi 60F Series

FG-60F, FG-61F, FWF-60F, FWF-61F



FortiGate/ FortiWiFi
Device



QuickStart Guide



1x Ethernet Cable



3x WiFi Antennas
(WiFi models only)



1x AC Power Cable

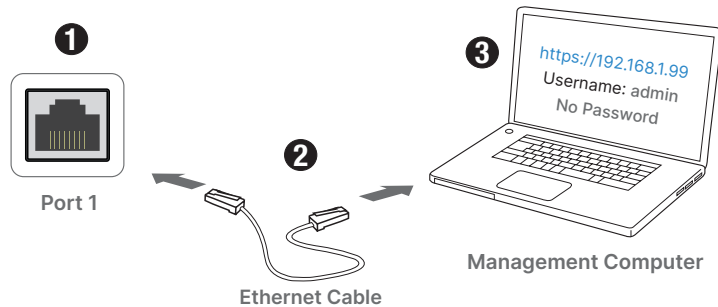


1x DC Power Adapter

Setup Options

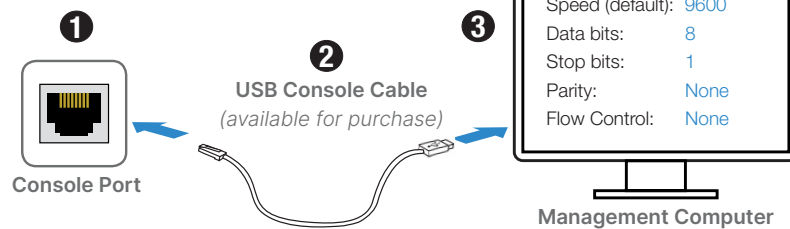
Set up your Fortinet device locally or connect using forticloud.com

GUI



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

CLI

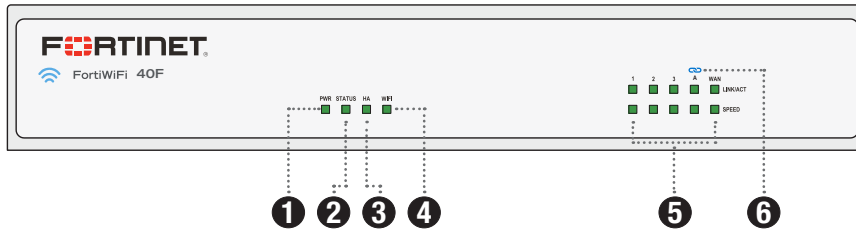


Note: For a detailed CLI guide, visit docs.fortinet.com

FortiGate Cloud Key (Connect a WAN port to the Internet)

- 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/FWF 40F Series



- 1 PWR**
 - **Green:** Power is on
 - **Off:** Power is off

- 2 STATUS**
 - **Green:** Operating normally; BLE is off
 - ✦ **Flashing Green:** Booting up

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

- 4 WIFI**
 - **Green:** WiFi connected
 - ✦ **Flashing Green:** WiFi activity
 - **Off:** WiFi is off

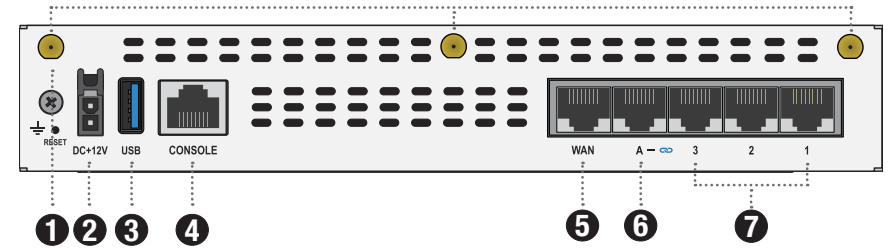
(FortiWiFi models only)

- 5 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

- 6 FortiLink** 🔗 **FortiLink interface**

Rear - FG/FWF 40F Series



- 1 Antenna Connection (3x SMA)** passive directional WiFi antenna connections
(FortiWiFi models only)

- 2 Power** 12V DC, 100-240V AC 50/60Hz adapter

- 3 USB (USB A)** USB 3.0 server port

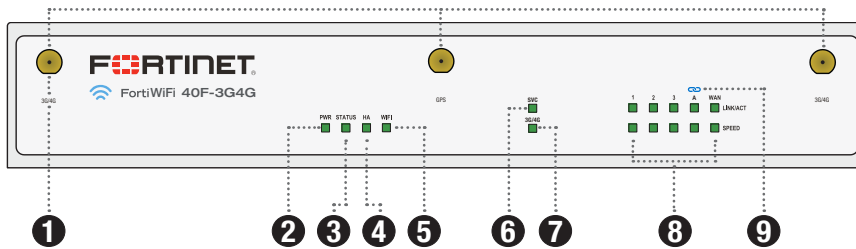
- 4 Console (RJ45)** CLI management computer interface

- 5 WAN (RJ45)** 1 Gbps Ethernet interface

- 6 FortiLink Port A (RJ45)** 1 Gbps Ethernet interface (FortiLink interface)

- 7 Ethernet Ports 1 to 3 (RJ45)** 1 Gbps Ethernet connections

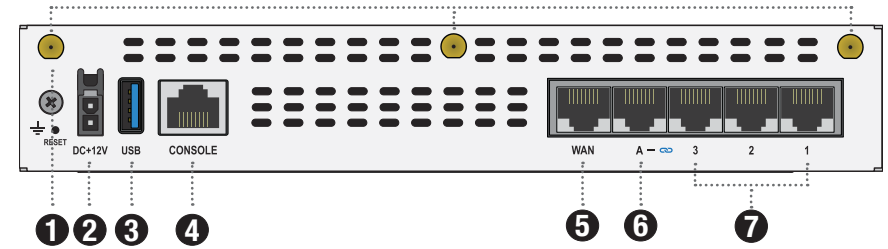
Front - FG/FWF 40F-3G4G Series



1 Antenna Connection (3x SMA) WWAN cellular antenna connections

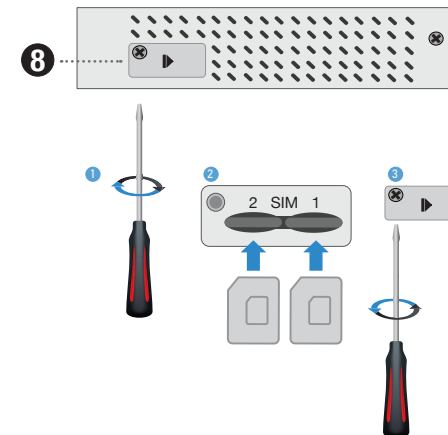
- 2 PWR** ■ **Green:** Power is on
■ **Off:** Power is off
- 3 STATUS** ■ **Green:** Normal
⚡ **Flashing Green:** Booting up
- 4 HA** ■ **Green:** Operating in an HA cluster
■ **Amber:** HA failover
■ **Off:** Not in an HA cluster
- 5 WIFI** ■ **Green:** WiFi connected
⚡ **Flashing Green:** WiFi activity
■ **Off:** WiFi is off
(FortiWiFi models only)
- 6 SVC** ■ **Green:** SVC is on
⚡ **Flashing Green:** SVC activity
■ **Off:** SVC is off
- 7 3G/4G** ■ **Green:** 3G4G is on
⚡ **Flashing Green:** 3G4G activity
■ **Off:** 3G4G is off
- 8 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
- 9 FortiLink** 🔗 **FortiLink interface**

Rear - FG/FWF 40F-3G4G Series

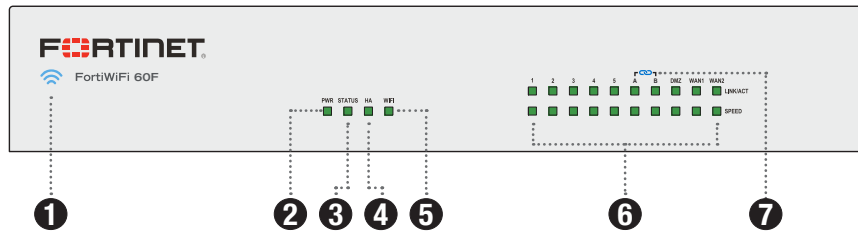


1 Antenna Connection (3x SMA) passive directional WiFi antenna connections *(FortiWiFi models only)*

- 2 Power** 12V DC, 100-240V AC 50/60Hz adapter
- 3 USB (USB A)** USB 3.0 server port
- 4 Console (RJ45)** CLI management computer interface
- 5 WAN (RJ45)** 1 Gbps Ethernet interface
- 6 FortiLink Port A (RJ45)** 1 Gbps Ethernet interface (FortiLink interface)
- 7 Ethernet Ports 1 to 3 (RJ45)** 1 Gbps Ethernet connections
- 8 Dual Sim Slots** Nano Sim



Front - FG/FWF 60F Series



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

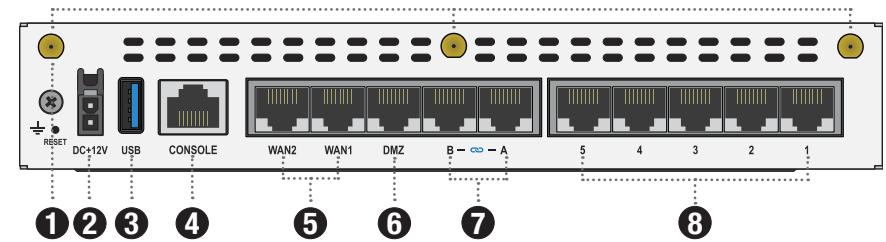
PORT SPEED

■ Green: Connected at 1Gbps
■ Amber: Connected at 100Mbps
■ Off: Not connected or 10Mbps

7 FortiLink

🔗: FortiLink interfaces

Rear - FG/FWF 60F Series



1 Antenna Connection (3x SMA) passive directional WiFi 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 (RJ45) CLI management computer interface

5 WAN1 & WAN2 (RJ-5) 1 Gbps Ethernet interfaces

6 DMZ (RJ45) 1 Gbps Ethernet interface

7 FortiLink Ports A & B (RJ45) 1 Gbps Ethernet FortiLink auto-detect connections

8 Ethernet Ports 1 to 5 (RJ45) 1 Gbps Ethernet connections

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Guide de démarrage rapide

Série FortiGate/FortiWiFi 40F & 60F

Avant de commencer

Enregistrez votre appareil pour avoir accès aux mises à jour, à la gestion infonuagique, aux mises à niveau de micrologiciel, au soutien technique et à la garantie de FortiGuard.

<http://support.fortinet.com>



Ce document est préparé en versions anglaise et française. En cas de conflit entre eux, la version anglaise prévaudra sur la version française.

Dans ce guide: FG-40F, FWF-40F, FG-40F-3G4G, FWF-40F-3G4G, FG-60F, FG-61F, FWF-60F et FWF-61F

December 1, 2022

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Renseignements de base

Identifiants par défaut



<https://192.168.1.99>
Username: **admin**
Password: **(sans mot de passe)**



SSID: **fortinet**
Password/MdP: **fortinet**

Guide de gestion

Pour obtenir un guide de démarrage détaillé et des renseignements de configuration, consultez le guide de gestion sur <https://docs.fortinet.com/>

Service à la clientèle

Pour obtenir de l'aide avec les contrats, les licences, l'enregistrement de produit et la gestion de compte, communiquez avec le service FortiCare au <https://www.fortinet.com/support/contact>

Ressources en libre-service

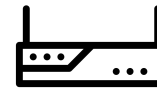
Pour accéder à notre base de connaissances, à nos forums, à nos vidéos et à nos conseils techniques d'experts, visitez le lien <https://www.fortinet.com/support/support-services/forticare-support>

Merci d'avoir choisi Fortinet

Contenu de l'emballage

Série FortiGate/FortiWiFi 40F

FG-40F, FWF-40F, FG-40F-3G4G, FWF-40F-3G4G



Appareil FortiGate/
FortiWiFi



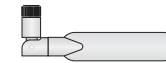
Guide de
démarrage rapide



1x Adaptateur
d'alimentation CC avec 3
adapteurs



1x Câble Ethernet



3x Antennes cellulaires
(Modèles 3G4G
seulement)



3x Antennas WiFi
(Modèles WiFi
seulement)

Série FortiGate/FortiWiFi 60F

FG-60F, FG-61F, FWF-60F, FWF-61F



Appareil FortiGate/
FortiWiFi



Guide de
démarrage rapide



1x Câble Ethernet



3x Antennas WiFi
(Modèles WiFi
seulement)



1x Câble
d'alimentation CA

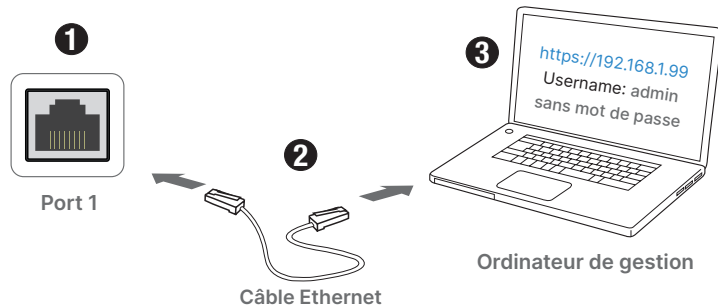


1x Adaptateur
d'alimentation CC

Autres options de configuration

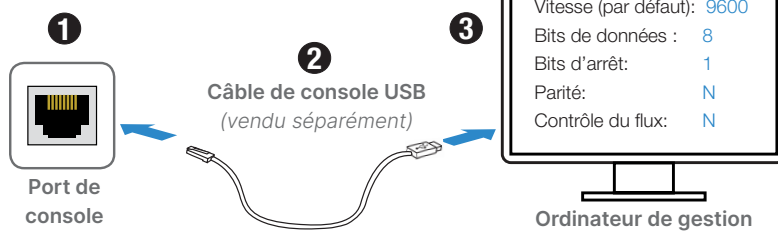
Configurez l'appareil Fortinet localement ou connectez-le avec forticloud.com

GUI



N.B.: Pour la configuration avec adresse IP fixe, utilisez l'adresse 192.168.1.1 et le masque de sous-réseau 255.255.255.0.

CLI

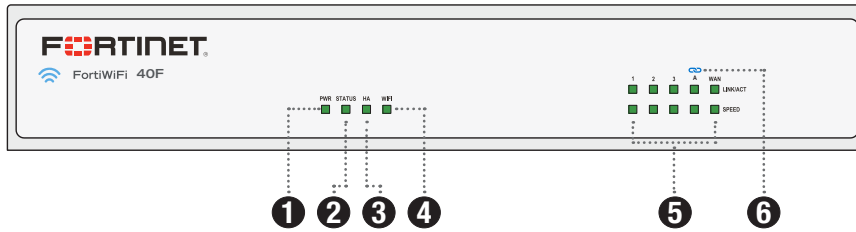


N.B.: Pour obtenir un guide détaillé pour l'interface de ligne de commande, rendez-vous sur docs.fortinet.com

Clé infonuagique FortiGate (Connexion à Internet avec un port WAN)

1. Rendez-vous sur forticloud.com et connectez-vous avec vos **identifiants FortiCloud** ou inscrivez-vous
2. Suivez les instructions à l'écran, puis cliquez sur **Add FortiGate**
3. Entrez la **clé infonuagique FortiGate** inscrite sur l'étiquette de l'appareil

Avant – Série FG/FWF 40F



- 1 PWR**
 - **Vert:** L'appareil est allumé
 - **Éteint:** L'appareil est éteint

- 2 STATUS**
 - **Vert:** Fonctionnement normal, BLE désactivé
 - ✦ **Vert clignotant:** Démarrage

- 3 HA**
 - **Vert:** Fonctionnement en grappe à haute disponibilité
 - **Orange:** Basculement vers la haute disponibilité
 - **Éteint:** Pas de grappe à haute disponibilité

- 4 WIFI**
 - **Vert:** Wi-Fi connecté
 - ✦ **Vert clignotant:** Activité Wi-Fi
 - **Éteint:** Wi-Fi déconnecté

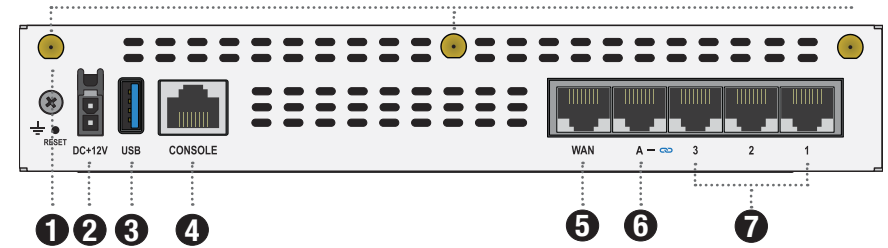
(Modèle FortiWiFi seulement)

- 5 PORT LINK/ACT**
 - **Vert:** Lien établi
 - ✦ **Vert clignotant:** Activité de données
 - **Éteint:** Aucun lien établi

- PORT SPEED**
 - **Vert:** Lien établi de 1000 Mb/s
 - **Orange:** Lien établi de 100 Mb/s
 - **Éteint:** Lien établi de 10 Mb/s ou aucun lien établi

- 6 FortiLink**
 - 🔗 **Port FortiLink de découverte automatique**

Arrière – Série FG/FWF 40F



- 1 Connexion d'antenne (3x SMA)** Connexion d'antenne WiFi passive directionnelle
(Modèle FortiWiFi seulement)

- 2 Alimentation** 12V CC, 100-240V CA 50/60Hz adaptateur

- 3 USB (USB A)** Port de serveur USB 3.0

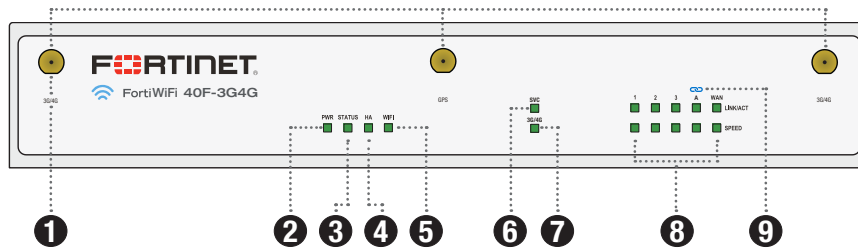
- 4 Console (RJ45)** Ordinateur de gestion de l'interface de ligne de commande

- 5 WAN (RJ45)** Interface Ethernet 1 Gb/s

- 6 FortiLink Port A (RJ45)** Port FortiLink de découverte automatique de 1 Gb/s

- 7 Ports 1 à 3 (RJ45)** Interface Ethernet 1 Gb/s

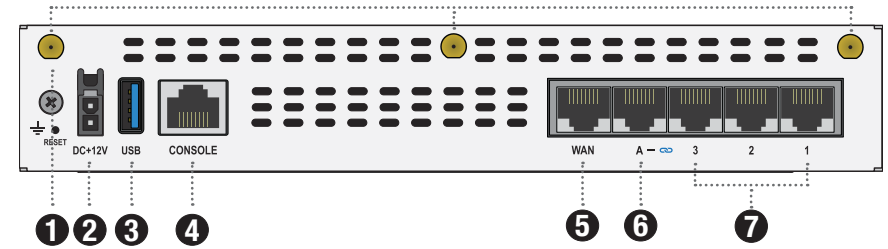
Avant – Série FG/FWF 40F-3G4G



1 Connexion d'antenne (3x SMA) Connexions d'antenne cellulaire

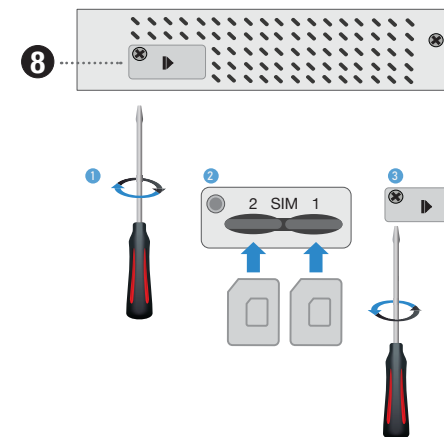
- 2 PWR**
- **Vert:** L'appareil est allumé
 - **Éteint:** L'appareil est éteint
- 3 STATUS**
- **Vert:** Fonctionnement normal
 - ⚡ **Vert clignotant:** Démarrage
- 4 HA**
- **Vert:** Fonctionnement en grappe à haute disponibilité
 - **Orange:** Basculement vers la haute disponibilité
 - **Éteint:** Pas de grappe à haute disponibilité
- 5 WIFI**
(Modèle FortiWiFi seulement)
- **Vert:** Wi-Fi connecté
 - ⚡ **Vert clignotant:** Activité Wi-Fi
 - **Éteint:** Wi-Fi déconnecté
- 6 SVC**
- **Vert:** CVC activé
 - ⚡ **Vert clignotant:** Activité CVC
 - **Éteint:** CVC désactivé
- 7 3G/4G**
- **Vert:** 3G/4G activé
 - ⚡ **Vert clignotant:** Activité 3G/4G
 - **Éteint:** 3G/4G désactivé
- 8 PORT LINK/ACT**
- **Vert:** Lien établi
 - ⚡ **Vert clignotant:** Activité de données
 - **Éteint:** Aucun lien établi
- PORT SPEED**
- **Vert:** Lien établi de 1000 Mb/s
 - **Orange:** Lien établi de 100 Mb/s
 - **Éteint:** Lien établi de 10 Mb/s ou aucun lien établi
- 9 FortiLink** : Port FortiLink de découverte automatique

Arrière – Série FG/FWF 40F-3G4G

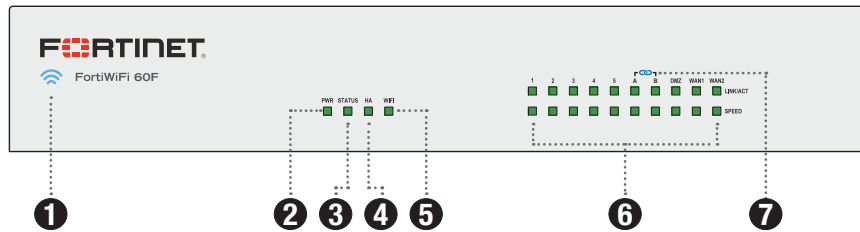


1 Connexion d'antenne (3x SMA) Connexion d'antenne WiFi passive directionnelle (Modèle FortiWiFi seulement)

- 2 Alimentation** 12V CC, 100-240V CA 50/60Hz adaptateur
- 3 USB (USB A)** Port de serveur USB 3.0
- 4 Console (RJ45)** Ordinateur de gestion de l'interface de ligne de commande
- 5 WAN (RJ45)** Interface Ethernet 1 Gb/s
- 6 FortiLink Port A (RJ45)** Port FortiLink de découverte automatique de 1 Gb/s
- 7 Ports 1 à 3 (RJ45)** Interface Ethernet 1 Gb/s
- 8 Fente de carte Nano SIM (x2)**



Avant – Série FG/FWF 60F



1 LOGO

||| FortiGate (Modèle FortiGate)

■ Vert: L'appareil est allumé
■ Éteint: L'appareil est éteint

FortiWiFi (Modèle FortiWiFi)

■ Blue: L'appareil est allumé
■ Éteint: L'appareil est éteint

2 PWR

■ Vert: L'appareil est allumé
■ Éteint: L'appareil est éteint

3 STATUS

■ Vert: Fonctionnement normal
✱ Vert clignotant: Démarrage

4 HA

■ Vert: Fonctionnement en grappe à haute disponibilité
■ Orange: Basculement vers la haute disponibilité
■ Éteint: Pas de grappe à haute disponibilité

5 WIFI

(Modèle FortiWiFi seulement)

■ Vert: Wi-Fi connecté
✱ Vert clignotant: Activité Wi-Fi
■ Éteint: Wi-Fi déconnecté

6 PORT LINK/ACT

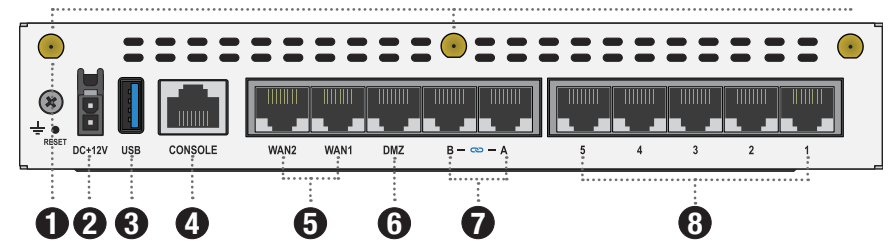
■ Vert: Lien établi
✱ Vert clignotant: Activité de données
■ Éteint: Aucun lien établi

PORT SPEED

■ Vert: Lien établi de 1000 Mb/s
■ Orange: Lien établi de 100 Mb/s
■ Éteint: Lien établi de 10 Mb/s ou aucun lien établi

7 FortiLink : Port FortiLink de découverte automatique

Arrière – Série FG/FWF 60F



1 Connexion d'antenne (3x SMA) Connexion d'antenne WiFi passive directionnelle (FortiWiFi models only)

2 Alimentation 12V CC, 100-240V CA 50/60Hz adaptateur

3 USB (USB A) Port de serveur USB 3.0

4 Console (RJ45) Ordinateur de gestion de l'interface de ligne de commande

5 WAN1 & WAN2 (RJ45) Interface Ethernet 1 Gb/s

6 DMZ (RJ45) Port 1 Gb/s de zone démilitarisée

7 FortiLink Ports A & B (RJ45) Ports FortiLink de découverte automatique de 1 Gb/s

8 Ports 1 à 5 (RJ45) Interface Ethernet 1 Gb/s

Cautions and Warnings

Environmental specifications

Ambient operating temperature: 0°C to 40°C

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

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:

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.

WARNING:

Lithium-Batterie Achtung: Explosionsgefahr bei fehlerhafter Batteriewechsel. Ersetzen Sie nur den gleichen oder gleichwertigen Typ. Batterien gemäß den Anweisungen des Herstellers entsorgen.

Beseitigung einer BATTERIE in Feuer oder einen heißen Ofen oder mechanisches Zerkleinern oder Schneiden einer BATTERIE, die zu einer EXPLOSION führen kann

Verlassen einer BATTERIE in einer extrem hohen Umgebungstemperatur, die zu einer EXPLOSION oder zum Austreten von brennbarer Flüssigkeit oder Gas führen kann

Eine BATTERIE, die einem extrem niedrigen Luftdruck ausgesetzt ist, der zu einer EXPLOSION oder zum Austreten von brennbarer Flüssigkeit oder Gas führen kann.

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.

Ce produit est destiné à être alimenté par un adaptateur d'alimentation externe de classe I par l'intermédiaire d'un cordon d'alimentation enfichable de classe A qui doit être branché à une prise de courant avec terre.

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 talle bande jaune de minimum # 14 AWG et la connexion doit être installé par un personnel qualifié.

Regulatory Notices

Federal Communication Commission (FCC) – USA

This device complies with Part 15 of the 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 27cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Caution: Operation of this device is restricted to indoor use only.

For operation within 5.15 – 5.25GHz frequency range, it is restricted to indoor environment. The band from 5600-5650MHz will be disabled by the software during the manufacturing and cannot be changed by the end user.

This device meets all the other requirements specified in Part 15E, Section 15.407 of the FCC Rules.

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

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

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

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.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

1. L'appareil ne doit pas produire de brouillage;
2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

For product available in the USA/Canada market, only channel 1–11 can be operated. Selection of other channels is not possible.

Pour les produits disponibles aux États-Unis / Canada du marché, seul le canal 1 à 11 peuvent être exploités. Sélection d'autres canaux n'est pas possible.

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment. For the FWF-60F/61F and -40F/41F series, this equipment should be installed and operated with minimum distance of 27cm between the radiator & your body. For the FWF-40F/41F/-3G4G series the minimum distance is also 27cm.

Cet équipement est conforme aux limites d'exposition aux rayonnements ISED établies pour un environnement non contrôlé. Pour le FWF-60F/61F série, cet équipement doit être installé et utilisé avec un minimum de 20cm de distance entre la source de rayonnement et votre corps. Pour les FWF-40F/41F/-3G4G séries, la distance est 27cm.

The maximum antenna gain permitted for devices in the band 5725-5850 MHz shall be such that the equipment still complies with the e.i.r.p. limits specified for point-to-point and non-point-to-point operation as appropriate.

The gain maximal d'antenne permis (pour les dispositifs utilisant la bande 5725-5850 MHz) doit se conformer à la limite de p.i.r.e. spécifiée pour l'exploitation point à point et non point à point, selon le cas.

The maximum antenna gain permitted for devices in the bands 5250-5350 MHz and 5470-5725 MHz shall comply with the e.i.r.p. limit; and

The gain maximal d'antenne permis pour les dispositifs utilisant les bandes 5250-5350 MHz et 5470-5725 MHz doit se conformer à la limite de p.i.r.e.;

The worst-case tilt angle(s) necessary to remain compliant with the e.i.r.p. elevation mask requirement set forth in Section 6.2.2(3) shall be clearly indicated.

Les pires angles d'inclinaison nécessaires pour rester conforme à l'exigence de la p.i.r.e. applicable au masque d'élévation, et énoncée à la section 6.2.2.3, doivent être clairement indiqués.

Caution: The device for the band 5150-5250 MHz is only for indoor usage to reduce potential for harmful interference to co-channel mobile satellite systems.

Attention: Le dispositif de la bande 5150-5250 MHz est réservé à un usage intérieur afin de réduire l'interférence nuisible potentielle aux systèmes mobiles par satellite co-canal.

Antenna having a higher gain is strictly prohibited per regulations of ISED. The required antenna impedance is 50 ohms.

Under ISED regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by ISED. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Une antenne ayant un gain supérieur sont strictement interdites par la réglementation d'ISED. L'impédance d'antenne requise est de 50 ohms.

Conformément à la réglementation d'ISED, cet émetteur radio peut fonctionner seulement avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par ISED. Dans le but de réduire les risques de brouillage radioélectrique aux autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication réussie.

The radio transmitter for the FWF-60F/61F series **IC: 7280B-121757A** while the FWF-40F/41F/-3G4G series **IC: 7280B-121757B** have been approved by ISED to operate with the antenna types listed below with the maximum permissible gain and required antenna impedance for each antenna type indicated. The Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

Le présent émetteur radio pour le FWF-60F/61F série **IC: 7280B-121757A** et les FWF-40F/41F/-3G4G séries **IC: 7280B-121757B** ont été approuvés par ISED pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal et l'impédance requise pour chaque type d'antenne. Les types d'antenne non inclus dans cette liste, ou dont le gain est supérieur au gain maximal indiqué, sont strictement interdits pour l'exploitation de l'émetteur.

This device and it's antennas(s) must not be co-located or operating in conjunction with any other antenna or transmitter except in accordance with IC multi-transmitter product procedures.

Cet appareil et son antenne (s) ne doit pas être co-localisés ou fonctionner en association avec une autre antenne ou transmetteur.
IMPORTANT: The device must be professionally installed and must use the supplied antenna.

Professional Installation Instruction

1.Installation personnel
This product is designed for specific application and needs to be installed by qualified personnel who has RF and related rule knowledge. The general user shall not attempt to

Art.	Brand Holder	Model Name	Antenna Type	Connector	Gain (dBi)	
					2.4GHz	5GHz
1	Shenzhen Tenda Technology CO., LTD.	W1800R	External Dual-Band Detachable Antenna	SMA	4.2	3.5

install or change the settings.

2.Installation location
The product shall be installed at a location where the radiating antenna can be kept 27cm from nearby person in normal operation condition to meet Regulatory RF exposure requirement. The installation applies to both indoor and outdoor location.

3.External antenna(s)
Use only the antenna(s) that have been approved by the manufacturer. The non-approved antenna(s) may produce unwanted spurious or excessive RF transmitting power that may lead to the violation of FCC/ISED limit and is prohibited.

4. Warning
Please carefully select the installation position and ensure that the final output power does not exceed the limit set forth in relevant rules. The violation of the rule could lead to serious federal penalty.

Instructions d'installation professionnelle

1.Installation
Ce produit est conçu pour un usage spécifique et doit être installé par un personnel qualifié maîtrisant les radiofréquences et règle similaires. L'utilisateur ne doit pas tenter d'installer ou de modifier les paramètres.

2.Emplacement d'installation
En usage normal, afin de respecter les exigences réglementaires concernant l'exposition aux radiofréquences, ce produit doit être installé de façon à respecter une distance de 27cm entre l'antenne émettrice et. L'installation s'applique aux emplacements intérieur et extérieur.

3.Antenne externe(s)
Utiliser uniquement l'antenne (s) approuvées par le fabricant. L'utilisation d'autres antennes peut conduire à un niveau de rayonnement spurs ou non essentiel dépassant les niveaux limites définis par FCC/ISED, ce qui est interdit.

4.Avertissement
Choisir avec soin la position d'installation et s'assurer que la puissance de sortie ne dépasse pas les limites en vigueur. La violation de cette règle peut conduire à de sérieuses pénalités fédérales.

European Conformity (CE) - EU

This is a Class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.



Compliance with 2014/53/EU Radio Equipment Directive (RED)

In accordance with Article 10.8(a) and 10.8(b) of the RED, the following table provides information on the frequency bands used and the maximum RF transmit power of the product for sale in the EU.

The product transmits within the frequency ranges and less than or equal to the power listed below:

For the FWF-60F/61F series & FWF-40F/41F/-3G4G series:

2412-2472MHz less than 20dBm

5180-5240MHz less than 23dBm

5260-5320MHz less than 23dBm

5600-5700MHz less than 30dBm

Note: * Only with DFS bands certification

For the FG-40F/-3G4G & FWF-40F/41F/-3G4G series:

WCDMA B1 less than 24dBm

WCDMA B8 less than 24dBm

LTE B1 less than 24dBm

LTE B3 less than 24dBm

LTE B7 less than 23dBm

LTE B8 less than 24dBm

LTE B20 less than 24dBm

LTE B28 less than 24dBm

LTE B42 less than 23dBm

LTE B43 less than 23dBm

For the FWF-60F/61F series and -40F/40F, this equipment should be installed and operated with minimum distance 27cm between the radiator & your body. For the FWF-40F/41F/-3G4G series the minimum distance is 27cm.

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.

Български

Този продукт е в съответствие с Директива 2014/53/ЕО.

Česky

Tento produkt je v souladu se směrnici 2014/53/EU.

Dansk

Dette produkt er i overensstemmelse med direktiv 2014/53/EU.

Deutsch

Dieses Produkt entspricht der Richtlinie 2014/53/UE.

Eesti

See toode vastab direktiivile 2014/53/EL.

English

This product is in compliance with Directive 2014/53/EU.

Español

Este producto cumple con la Directiva 2014/53/UE.

Ελληνική

Το προϊόν αυτό συμμορφώνεται με την Οδηγία 2014/53/ΕΕ.

Français

Ce produit est conforme à la Directive 2014/53/UE.

Hrvatski

Ovaj proizvod je u skladu s Direktivom 2014/53/EU.

Italiano

Questo prodotto è conforme alla Direttiva 2014/53/UE.

Latviski

Šis produkts atbilst Direktīvai 2014/53/ES.

Lietuvių

Šis gaminyas atitinka direktyvą 2014/53/ES.

Malti

Dan il-prodott huwa konformi mad-Direttiva 2014/53/UE.

Magyar

Ez a termék megfelel a 2014/53/EU irányelvnek.

Nederlands

Dit product is in overeenstemming met Richtlijn 2014/53/UE.

Norsk

Dette produktet er i samsvar med direktiv 2014/53/UE.

Polski

Ten produkt jest zgodny z dyrektywą 2014/53/UE.

Português

Este produto está em conformidade com a Diretiva 2014/53/UE.

Rumunski
Acest produs este în conformitate cu Directiva 2014/53/UE.

Slovensky
Tento produkt je v súlade so smernicou 2014/53/EÚ.

Slovensko
Ta izdelek je v skladu z Direktivo 2014/53/EU.

Suomi
Tämä tuote on direktiivin 2014/53/EU mukainen.

Svenska
Denna produkt överensstämmer med direktiv 2014/53/EU.

Note: The full Declaration of Conformity for this product is available in the link below:
<https://site.fortinet.com/ProductRegulatory/EU>

The device is restricted to indoor use only when operating in the 5150 to 5350 MHz frequency range in the following countries:

	AT	BE	BG	HR	CY	CZ	DK
	EE	FI	FR	DE	EL	HU	IE
	IT	LV	LT	LU	MT	NL	PL
	PT	RO	SK	SI	ES	SE	UK

Voluntary Control Council for Interference (VCCI) – Japan

この装置は、クラスB機器です。この装置は、住宅環境で使用することを目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、受信障害を引き起こすことがあります。取扱説明書に従って正しい取り扱いをして下さい。 VCCI-B

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>

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地址：台北市內湖區行愛路176號2樓
電話：(02) 27961666

For the FG-40F Series only

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.anatel.gov.br

For FG60F and FG61F only

Korea Certification (KC) – Korea

A급 기기 (업무용 방송통신기자재)

이 기기는 업무용(A급) 전자파적합기기로서 판매자 또는 사용자는 이 점을 주의하시기를 바라며, 가정외의 지역에서 사용하는 것을 목적으로 합니다.

For FG-40F-3G4G only

National Telecommunications Commission (NCC) – Taiwan

NCC警語

減少電磁波影響，請妥適使用。

LTE介面支援頻段：LTE FDD 700/900/1800/2100/2600MHz；TDD 2600MHz

