

QuickStart Guide

FortiGate 4800F Series

FG-4800F and FG-4801F

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>



This guide covers: FG-4800F and FG-4801F

November 21, 2022

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For Product License Agreement / EULA and Warranty Terms, visit <https://www.fortinet.com/content/dam/fortinet/assets/legal/EULA.pdf>

The Essentials

Default Logins



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

MGMT1 IP is 192.168.1.99
MGMT2 IP is 192.168.2.99

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>

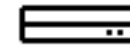
Self-service Resources

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 4800F Series
FG-4800F and FG-4801F



FortiGate Device



QuickStart Guide



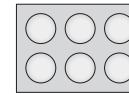
4x C15 Power Cables



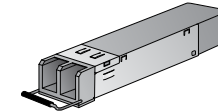
1x Ethernet Cable



1x Console Cable



6x Rubber Feet



2x SFP+ Transceivers



1x Rail Kit

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

-or-

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

-or-

FortiGate Cloud Key Registration

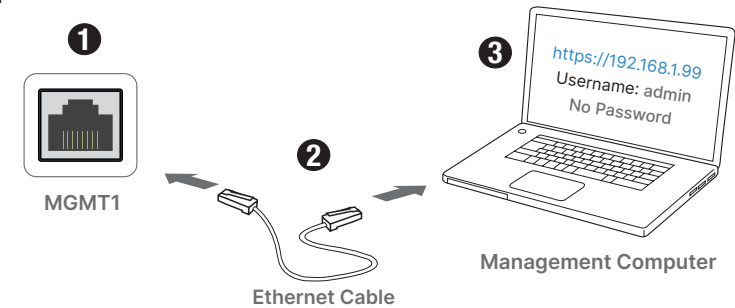
- 1 Navigate to **My Fabric**, then tap **Add**
- 2 Scan the **FortiGate Cloud Key** located on your Fortinet device
- 3 Follow the **on-screen instructions** to complete your setup

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

Additional Setup Options

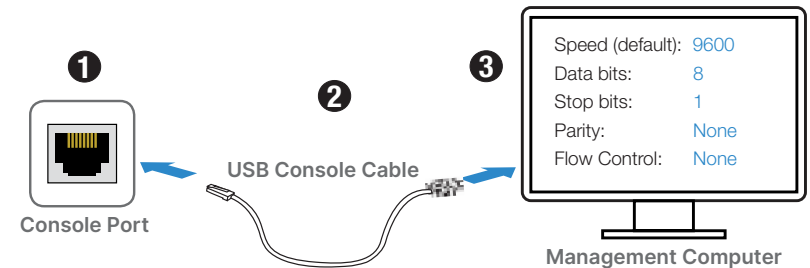
Set up your Fortinet device locally or connect using forticloud.com

GUI



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

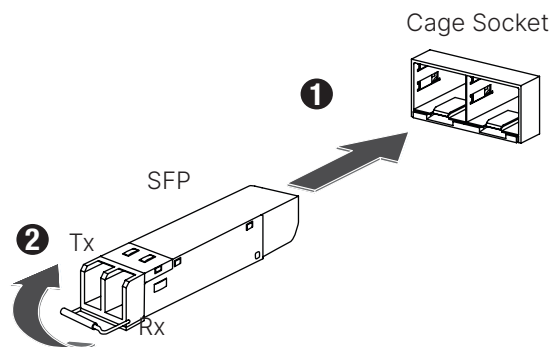
CLI



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

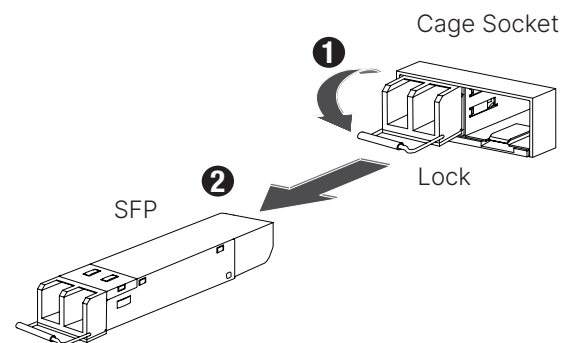
SFP Modules

Installation

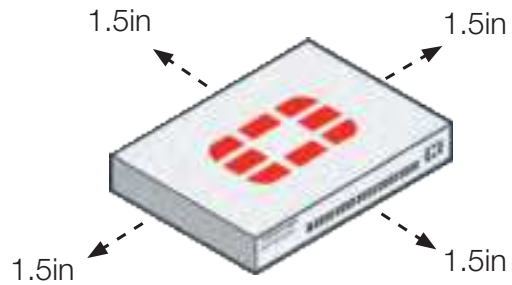


SFP Modules

Removal

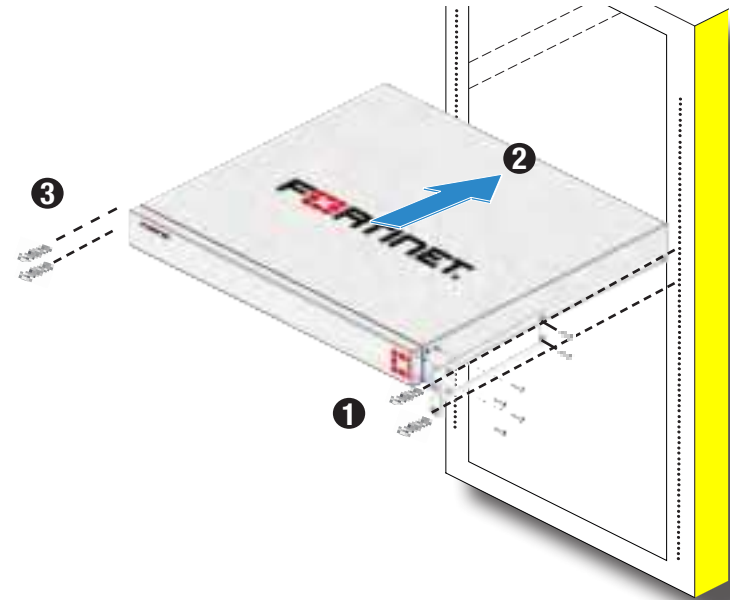


Desktop Installation



Note: Place the device on a flat, clean and stable surface.

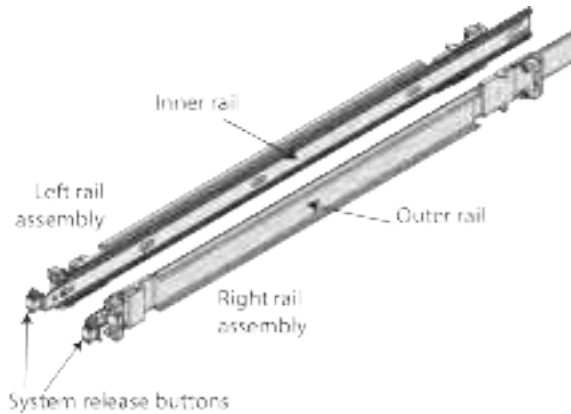
Rack Installation



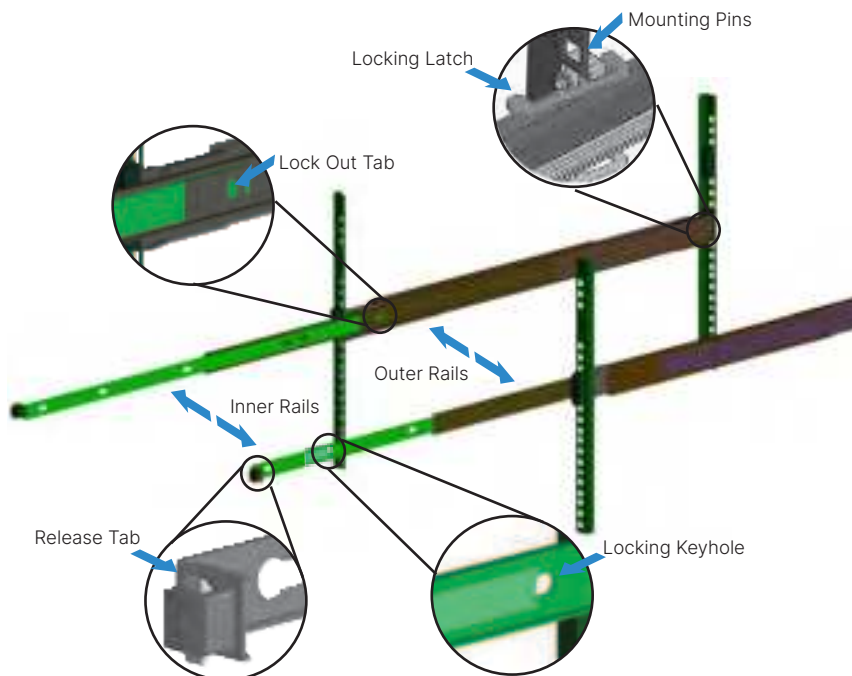
Note: The recommended clearance is 1.5 inches above and below the device in a 19 inch rack.

Caution: To avoid personal injury or damage to the device, it is recommended that two or more people mount the device on a rack.

Rail Assembly

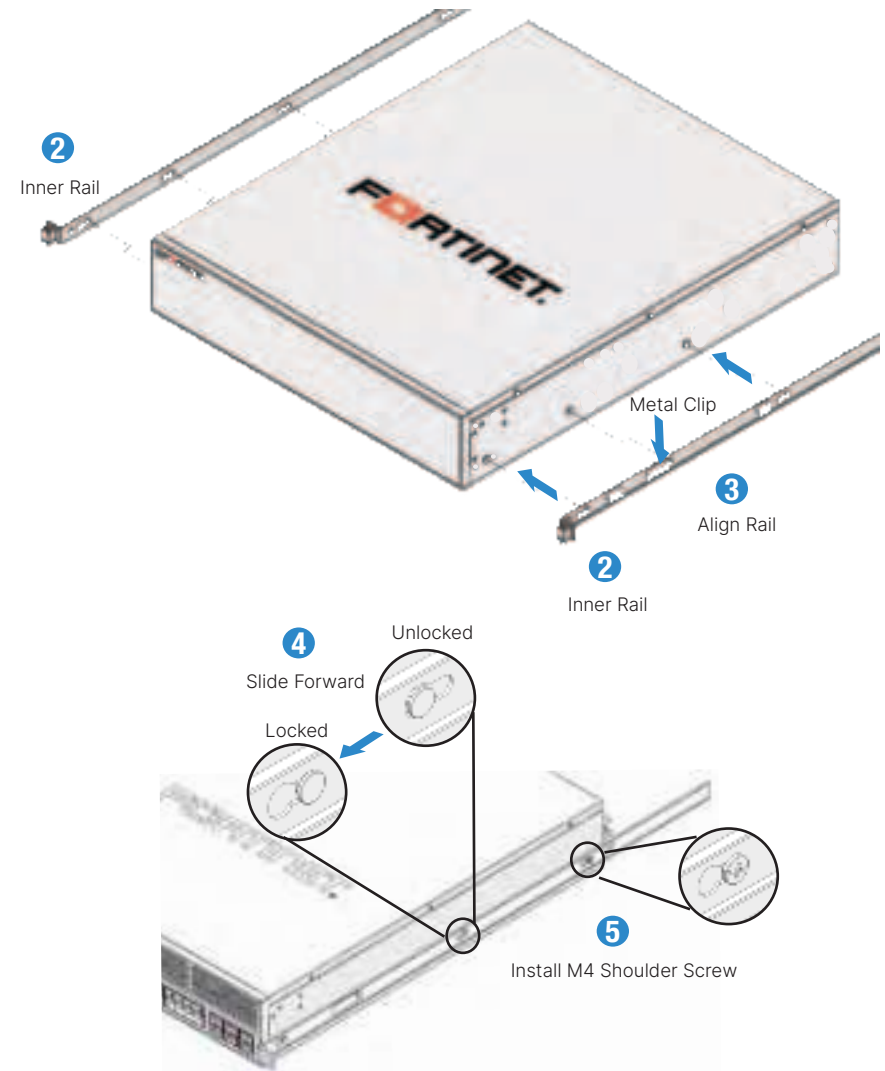


- The rail kit includes a left and a right rail assembly
- Each rail assembly includes an inner rail, a middle rail, and an outer rail
- The inner rail has locking keyholes used to secure the rail to the appliance
- The inner rail rear end has a lock out tab which slides into the middle rail
- The middle rail is in the outer rail and used to guide the inner rail into the outer rail
- The outer rail has front and rear mounting pins that push into the rack holes
- The outer rail also has front and rear locking latches to secure the rail to the rack



Attach the Inner Rails to the Appliance

1. Detach the inner rail from the rail assembly by pressing the lock out tab
2. Place an inner rail against a side of the appliance
3. Align the inner rail keyholes with the appliance pins
4. Slide the rail towards the front of the appliance until the metal clip locks into place
5. For inner rails with five keyholes and a chassis with three pins and a thread hole, use the provided M4 shoulder screw to secure the rail to the appliance
6. Repeat steps 1 to 5 for the remaining inner rail



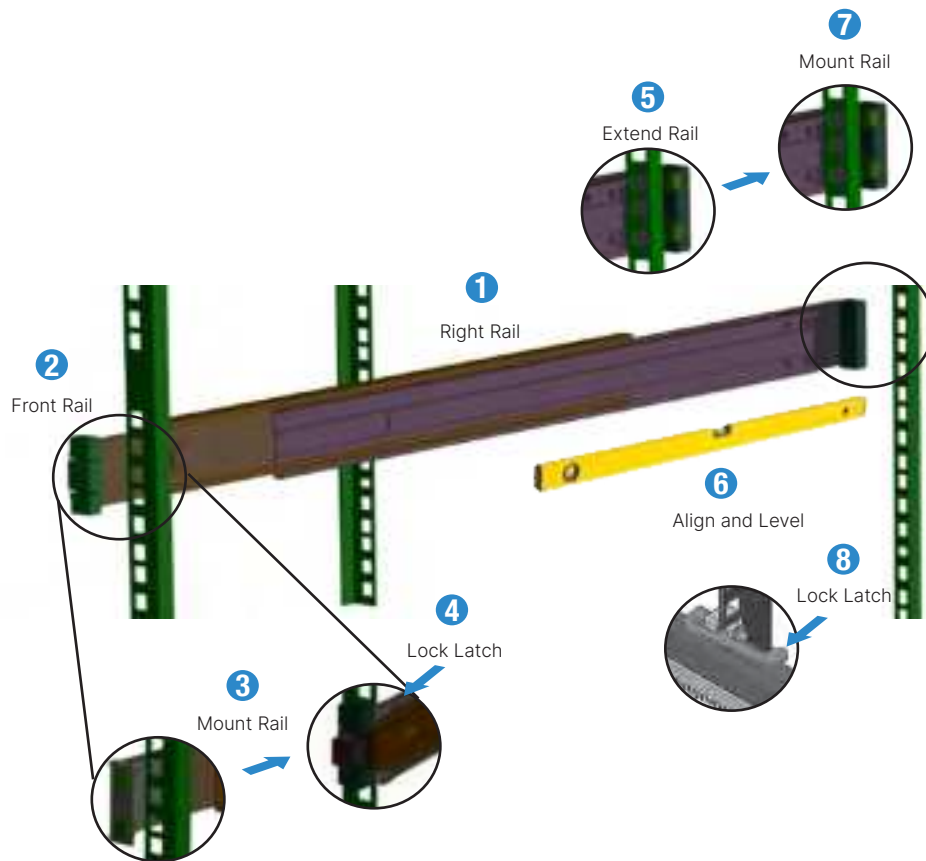
Attach the Outer Rails to the Rack

Front Outer Rail

1. Place an outer rail against a side of the rack
2. Align the front outer rail with the front of the rack
3. Push the front outer rail mounting pins into the rack post holes
4. Lock the locking latch to safely secure the front outer rail to the post

Rear Outer Rail

5. Extend the rear outer rail just past the rack post
6. Level the rail and align the mounting pins
7. Push the rear mounting pins into the rack post holes
8. Lock the locking latch to safely secure the rear outer rail to the post
9. Repeat steps 1 to 8 for the remaining outer rail



Install the Appliance

Safety Precautions

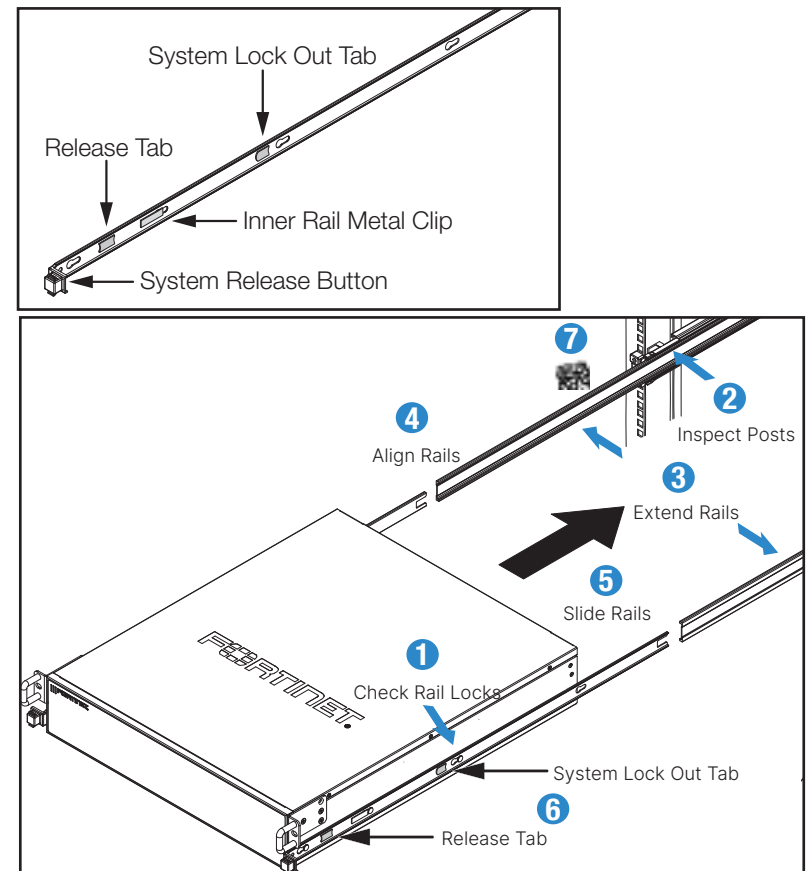
1. Check that the inner rails are secured to the appliance
2. Inspect that the rack posts and outer rails are secured and level

Rail Installation

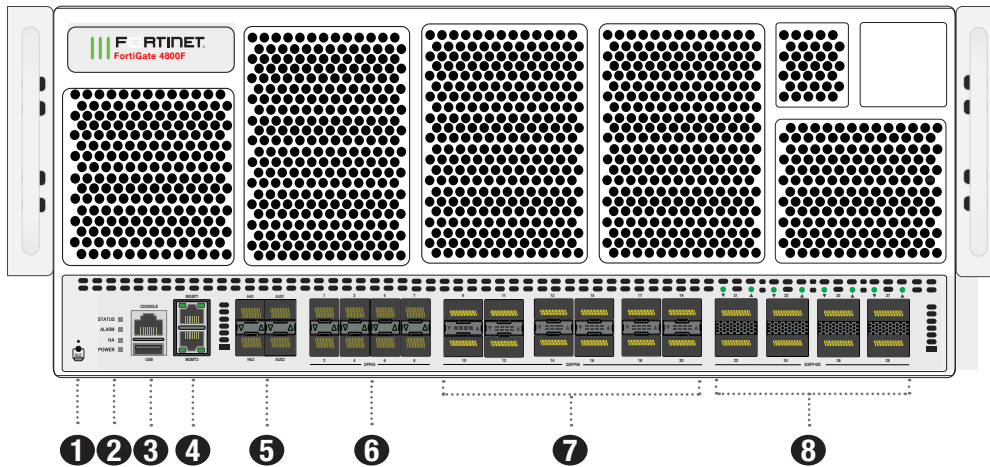
3. Slide the middle outer rails forward until they fully extend and lock into place
4. Using a lifting device, lift the appliance and align the inner rails with the middle rails
5. Slide the appliance and inner rails into the middle rails until there is a stop

System Lock

6. Apply even pressure and slide the release tabs outward while sliding the appliance all the way into the rack until the system release tabs click and lock into position
7. Use four rack screws (not provided) to secure the appliance to the rack



FG-4800F Series Front Panel



1 BLE

- **Blue**: BLE is activated and connected
- ⚡ **Flashing Blue**: BLE activated, waiting for pairing
- **Off**: BLE is deactivated

2 STATUS

- **Green**: Normal operation
- ⚡ **Flashing Green**: Booting up

ALARM

- **Red**: Major alarm detected
- **Amber**: Minor alarm detected
- **Off**: No errors detected

HA

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

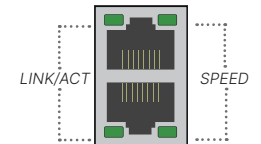
POWER

- **Green**: Device is on
- ⚡ **Flashing Green**: Checking PFR
- **Off**: Device is off

3 Console (RJ45) CLI interface USB (USB A) USB 3.0 server port

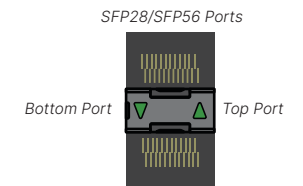
4 MGMT 1 and MGMT 2 (RJ45) 10 GE management ports

- LINK/ACT**
- **Green**: Link established
 - ⚡ **Flashing Green**: Data activity
 - **Off**: No link established
- SPEED**
- **Green**: Connected at 10 Gbps
 - **Amber**: Connected at 1 Gbps
 - **Off**: Linked at 100 Mbps or no link established



5

- ▼ **Green**: Connected at 50/25/10/1 Gbps
- ⚡ **Flashing Green**: Data activity
- ▼ **Off**: No link established



6 Ports 1 to 8 (SFP56)

- ▼ **Green**: Connected at 50/25/10/1 Gbps
- ⚡ **Flashing Green**: Data activity
- ▼ **Off**: No link established

7 Ports 9 to 20 (QSFP56)

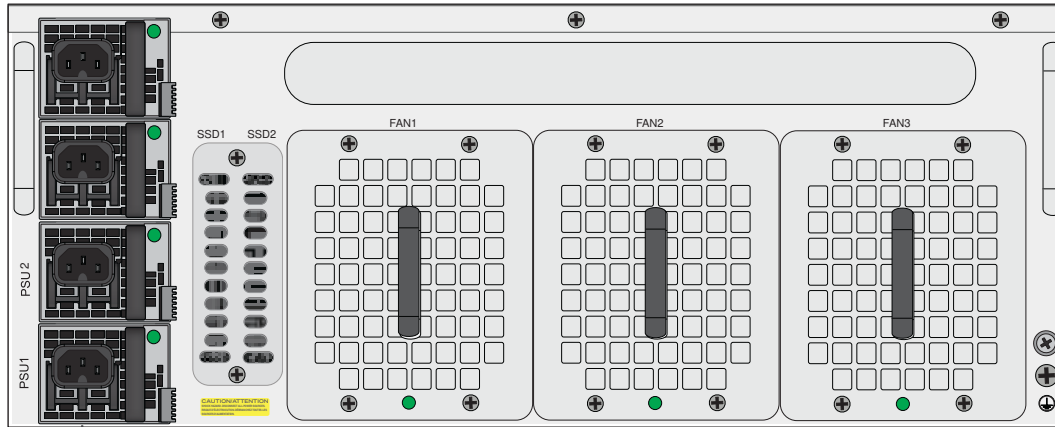
- ▼ **Green**: Connected at 400/200/100/50/40/25/10/1 Gbps
- ⚡ **Flashing Green**: Data activity
- ▼ **Off**: No link established

8 Ports 21 to 28 (QSFP-DD)

- ▲ **Green**: Connected at 400/200/100/50/40/25/10/1 Gbps
- ⚡ **Flashing Green**: Data activity
- ▲ **Off**: No link established



FG-4800F Series Rear Panel



- 1 **Power Supplies**
200-240VAC, 7-6A, 50/60Hz (x4)
1+1 Redundant, hot-swappable power supplies

Power Supply LED Indicators

OK

- **Green:** Standby rail and main output on
- **Flashing Green:** Standby rail and main output off
- **Off:** Error or no AC power input

FAIL

- **Amber:** Main output or fan error detected
- **Flashing Amber:** Power supply warning event detected
- **Off:** No errors or no power

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 telle 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

Moving parts — Hazardous moving parts. Keep away from moving fan blades.
Pièces mobiles – Pièces mobiles dangereuses. Se tenir éloigné des lames mobiles du ventilateur.

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.

Warning: A UL Listed external disconnect device, i.e. circuit breaker or other, with over current protection suitable for local code(rated 6A recommended) shall be installed with this equipment
Avertissement: Un dispositif de déconnexion externe homologué UL, exemple d’un disjoncteur ou autre, avec des protections de surintensité appropriées (nominal 6A recommandé) à l’installation de ce matériel.

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.

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 #6 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 taille bande jaune de minimum #6 AWG et la connexion doit être installé par un personnel qualifié.

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.

Laser Class 1 optical transceiver shall be used only
L’émetteur-récepteur optique de classe 1 laser doit être utilisé uniquement

IEC 60825-1:2014 transfer to FDA/CDRH Complies with FDA performance standards for laser products except for conformance with IEC 60825-1 Ed.3., as described in Laser Notice No. 56, dated May 8, 2019.
IEC 60825-1:2014 transfert à la FDA/CDRH Conforme aux normes de performance de la FDA pour les produits laser, à l’exception de la conformité à la norme IEC 60825-1 Ed.3., comme décrit dans l’avis laser n° 56, daté du 8 mai 2019.

The SFP ports should use UL Listed Optional Transceiver product, Rated 3.3Vdc, Laser Class 1.
Les ports SFP doivent utiliser un produit émetteur-récepteur en option répertorié UL, 3,3 Vdc, classe laser 1.

Warning: Class I Equipment. This equipment must be earthed. The power plug must be connected to a properly wired earth ground socket outlet. An improperly wired socket outlet could place hazardous voltage on accessible metal parts.
Avertissement: Équipement de classe I. Cet équipement doit être mis à la terre. La fiche d’alimentation doit être connectée à une prise de terre correctement câblée. Une prise de courant mal câblée pourrait placer une tension dangereuse sur les pièces métalliques accessibles.

Warning: All Ethernet cables are designed for intra-building connection to other equipment. Do not connect these ports directly to communication wiring or other wiring that exits the building where the appliance is located.
Avertissement: Tous les câbles Ethernet sont conçus pour une connexion intra-bâtiment à d’autres équipements. Ne connectez pas ces ports directement au câblage de communication ou à tout autre câblage qui sort du bâtiment où se trouve l’appareil.

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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

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.

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Cet équipement est conforme aux limites d’exposition aux rayonnements ISED établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20cm de distance entre la source de rayonnement et votre corps.

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.



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

2402-2480MHz less than 20dBm

This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

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/ЕС.

Česky
Tento produkt je v souladu se směrnicí 2014/53/EU.

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

Deutsch
Dieses Produkt entspricht der Richtlinie 2014/53/EU.

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/EU.

Latviski
Šis produkts atbilst Direktīvai 2014/53/EU.

Lietuvių
Šis gaminyš 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/EU.

Norsk
Dette produktet er i samsvar med direktiv 2014/53/EU.

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>

UK Conformity Assessed (UKCA) – United Kingdom

The product transmits within the frequency ranges and less than or equal to the power listed below:
2402-2480MHz less than 20dBm

This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This product is in compliance with Statutory Instrument 1206 Radio Equipment Regulations 2017

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

National Telecommunications Commission (NCC) – Taiwan

NCC警語
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