

FortiGate 1100E/1101E

Information

Box Includes

Federation Tools Forticate Tools Forti

FortiGate1100E (also for the FortiGate1101E)



Information



QuickStart Guide



2 Power Cables (AC models only)



Console Cable (DB9 to RJ45)

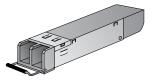


Ethernet Cable

Box Includes



4 Rubber Feet



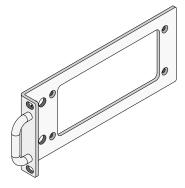
2 SFP SX Transceivers



12 Bracket Screws



2 Grounding Lugs (DC models only)

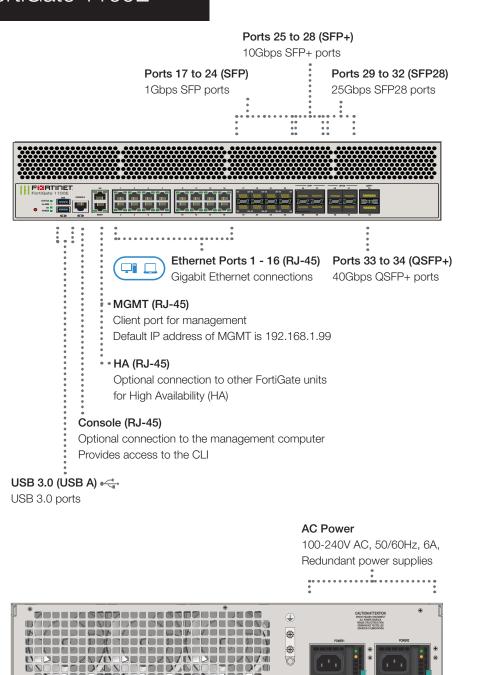


2 Rack-Mount Brackets



6 DC Terminal Rings (DC models only)

FortiGate 1100E



SFP Ports Green: Connected Flashing Green: Transmitting & receiving data Logo Green: The unit is on Off: No link established Off: The unit is off **Ethernet Ports Link/Activity** Status Green: Normal Green: Connected Flashing Green: Booting up -X-Flashing Green: Transmitting & receiving data Off: No link established Red: Major alarm **Ethernet Ports Speed** Alarm Red: Critical error Green: Connected at 1Gbps Amber: Minor error Amber: Connected at 100Mbps Off: No errors detected Off: Connected at 10Mbps or not in use HA Green: HA enabled working with a peer connection OK Red: HA enabled working Green: Power supply providing power without a peer connection -O-Flashing Green: Power supply not providing power Off: HA disabled Off: No AC input **FAIL** Power Amber: Power supply critical event Green: The unit is on C-Flashing Amber: Power supply warning event Off: The unit is off

FortiGate 1100E - DC

DC Power

-48V DC to -60V DC, 11.5A, hot swappable, redundant (1+1) power supplies:



OK

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

FAIL

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

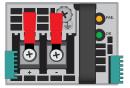
DC Models Only:

This product is only intended for installation and use in a Restricted Access Location. The DC power cables are intended to be used only for in-rack wiring, must be routed away from sharp edges, and must be adequately fixed to prevent excessive strain on the wires and terminals.

DC cables must be a minimum of 12 AWG.

DC Cables Installation:

Ensure the terminal rings are securely and safely fastened to the PSU terminals.



Rack Installation

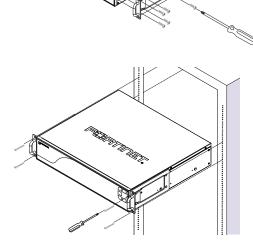
The FortiGate unit can be mounted in any standard 19 inch rack unit with the provided rack-mount brackets and screws.

Caution: Electrostatic discharge (ESD) can damage your Fortinet equipment.

To avoid personal injury or damage to the unit, it is recommended that two or more people install the unit into the rack. Do not place heavy objects on the unit.

To install the FortiGate unit into a rack

- Attach the provided rack-mount brackets to the sides of the unit using the provided screws.
- Position the FortiGate unit in the rack. Ensure there is enough room around the unit to allow for sufficient air flow.
- Line up the rack-mount bracket holes to the holes on the rack and ensure that the FortiGate unit is level.
- Finger tighten four rack-mount screws to attach the unit to the rack
- Verify that the spacing around the FortiGate unit conforms to requirements and that the unit is level, then tighten the rack-mount screws with an appropriate screwdriver.



 Plug the provided power cables into the rear of the unit, and then into grounded electrical outlets or separate power sources such as uninterruptible power supplies (UPS) or power distribution units (PDU).

Optional: Purchase a slide rail kit from Fortinet for ease-of-use, Part# P07966-01

Desktop Installation

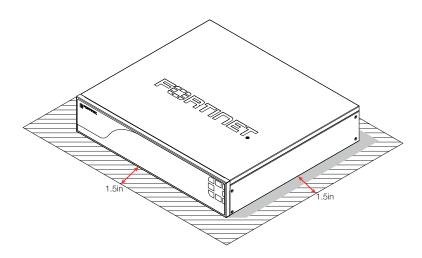
The FortiGate unit can be placed on any flat surface with the provided rubber feet.

Caution: Electrostatic discharge (ESD) can damage your Fortinet equipment.

Do not place heavy objects on the unit.

To install the unit on a flat surface

- 1. Ensure that the surface onto which the FortiGate unit to be installed is clean, level, and stable and that there is at least 1.5in (3.8cm) of clearance on all sides to allow for adequate airflow.
- 2. Attach the provided rubber feet to the bottom of the FortiGate unit.
- 3. Place the unit in the designated location.
- 4. Verify that the spacing around the FortiGate unit conforms to requirements and that the unit is level.



5. Plug the provided power cables into the rear of the unit, and then into grounded electrical outlets or separate power sources such as uninterruptible power supplies (UPS) or power distribution units (PDU).

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

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

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

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 lié 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 courtscircuits et le câblage. Ainsi, il est recommandé de tenir compte du numéro d'identification

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 nower strips)

Fiabilité de la mise à la terre - Fiabilité de la mise à la terre de l'équinement 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).

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.

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.

本雷油如果更換不正確會有爆炸的危險 請依製造商證明書處理用過之雷池

CAUTION:

There is a danger of explosion if a battery is incorrect replaced. Replace only with the

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

Leaving a battery in an extremely hot environment can result in leakage of flammable liquid,

If a battery is subjected to extremely low air pressure, it may result in leakage of flammable

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

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.

CALITION: Shock Hazard, Disconnect all nower sources.

ATTENTION: Risque d'électrocution. Débranchez toutes les sources d'alimentation

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

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

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

CAN ICES-3 (A) / NMB-3 (A)

This digital apparatus does not exceed the Class A limits for radio noise emissions from digital apparatus set out in the Radio Interference Regula-tions of the Canadian Department of Communications.

Cet appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la classe A prescrites dans le Règlement sur le brouillage radioélectrique édicte par le ministère des Communications du Canada

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



Voluntary Control Council for Interference (VCCI) - Japan

この装置は、クラスA機器です。この装置を住宅環境で使用すると電波妨害を引き起 こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されること があります。

Product Safety Electrical Appliance & Material (PSE) - Japan

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Bureau of Standards Metrology and Inspection (BSMI) - Taiwan

The presence conditions of the restricted substance (BSMI RoHS table) are available at

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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Agência Nacional de Telecomunicações (ANATEL) - Brazil

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