

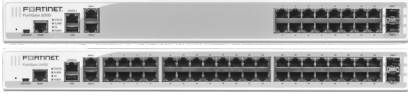
FORTINET®



FortiGate 200D / 240D Series

Information

Box Includes



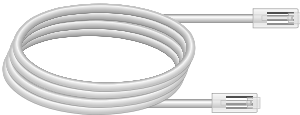
FortiGate 200D/240D Series



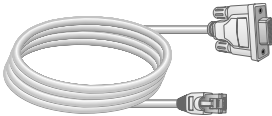
Information Supplement



Power Cable



Ethernet Cable



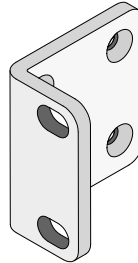
Console Cable



USB Cable



The FortiGate Cookbook



2 Rack-Mount Brackets



8 Bracket Screws



4 Rubber Feet

FortiGate 200D

MGMT (RJ-45)

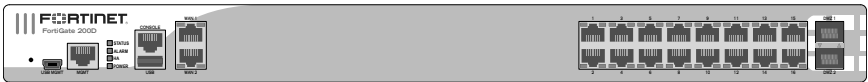
Client port for management
Default IP address is 192.168.1.99

WAN Ports (RJ-45)

Gigabit Ethernet Internet connections

DMZ Ports 1 & 2 (SFP)

Optional 1Gbps SFP port connections
to DMZ network or devices.



Console (RJ-45)

Optional connection to the management computer
Provides access to the CLI

USB (USB A)

USB server port

USB MGMT (USB mini-B)

USB client port



Ethernet Ports 1 to 16 (RJ-45)

Gigabit Ethernet local network
connections

RPS

Optional redundant power supply connection
12V DC @ 12.5A



Power

100-240V AC, 50-60Hz, 3A Max

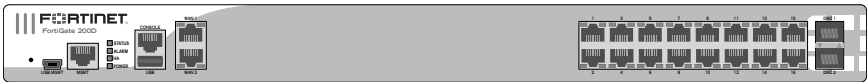
FortiGate 200D

Logo

- Green: The unit is on
- Off: The unit is off

SFP Ports

- Green: Connected
- ☀ Flashing Green: Transmitting & receiving data
- Off: No link established



Status

- Green: Normal
- ☀ Flashing Green: Booting up
- Red: The unit has a major alarm

Alarm

- Red: The unit has a major alarm
- Amber: The unit has a minor alarm
- Off: The unit is operating normally

HA

- Green: Operating in an HA cluster
- Red: HA failure
- Off: HA disable

Power

- Green: The unit is on
- Off: The unit is off

Ethernet Ports Link/Activity

- Green: Connected
- ☀ Flashing Green: Transmitting & receiving data
- Off: No link established

Ethernet Ports Speed

- Green: Connected at 1Gbps
- Amber: Connected at 100Mbps
- Off: Connected at 10Mbps or not in use

FortiGate 200D-POE

MGMT (RJ-45)

Client port for management

Default IP address is 192.168.1.99

WAN Ports (RJ-45)

Gigabit Ethernet Internet connections

DMZ Ports 1 & 2 (SFP)

Optional 1Gbps SFP port connections to DMZ network or devices.



Console (RJ-45)

Optional connection to the management computer

Provides access to the CLI

USB (USB A)

USB server port

USB MGMT (USB mini-B)

USB client port



Ethernet Ports 1 to 8 (RJ-45)

Gigabit Ethernet local network connections

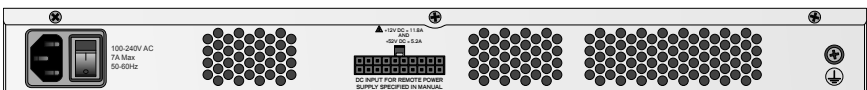
Ethernet Ports 9 to 16 (RJ-45)

Gigabit Ethernet ports with Power over Ethernet (PoE) providing up to a maximum of 270W

RPS

Optional redundant power supply connection

12V DC @ 11.8A, 52V DC @ 5.2A



Power

100-240V AC, 50-60Hz, 7A Max

FortiGate 200D-POE

Logo

- Green: The unit is on
- Off: The unit is off

PoE Ports

- Green: Connected and powered
- Red: Connected but not powered
- Off: Not connected



Status

- Green: Normal
- ☀ Flashing Green: Booting up
- Red: The unit has a major alarm

Alarm

- Red: The unit has a major alarm
- Amber: The unit has a minor alarm
- Off: The unit is operating normally

HA

- Green: Operating in an HA cluster
- Red: HA failure
- Off: HA disable

Power

- Green: The unit is on
- Off: The unit is off

SFP Ports

- Green: Connected
- ☀ Flashing Green: Transmitting & receiving data
- Off: No link established

Ethernet Ports Link/Activity

- Green: Connected
- ☀ Flashing Green: Transmitting & receiving data
- Off: No link established

Ethernet Ports Speed

- Green: Connected at 1Gbps
- Amber: Connected at 100Mbps
- Off: Connected at 10Mbps or not in use

FortiGate 240D

MGMT (RJ-45)

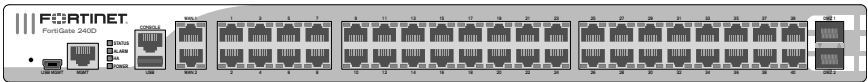
Client port for management
Default IP address is 192.168.1.99

WAN Ports (RJ-45)

Gigabit Ethernet Internet connections

DMZ Ports 1 & 2 (SFP)

Optional 1Gbps SFP port connections
to DMZ network or devices.



Console (RJ-45)

Optional connection to the management computer
Provides access to the CLI

USB (USB A)

USB server port

USB MGMT (USB mini-B)

USB client port



Ethernet Ports 1 to 40 (RJ-45)

Gigabit Ethernet local network
connections

RPS

Optional redundant power supply connection
12V DC @ 12.5A



Power

100-240V AC, 50-60Hz, 3A Max

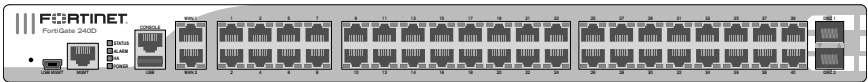
FortiGate 240D

Logo

- Green: The unit is on
- Off: The unit is off

SFP Ports

- Green: Connected
- ☀ Flashing Green: Transmitting & receiving data
- Off: No link established



Status

- Green: Normal
- ☀ Flashing Green: Booting up
- Red: The unit has a major alarm

Alarm

- Red: The unit has a major alarm
- Amber: The unit has a minor alarm
- Off: The unit is operating normally

HA

- Green: Operating in an HA cluster
- Red: HA failure
- Off: HA disable

Power

- Green: The unit is on
- Off: The unit is off

Ethernet Ports Link/Activity

- Green: Connected
- ☀ Flashing Green: Transmitting & receiving data
- Off: No link established

Ethernet Ports Speed

- Green: Connected at 1Gbps
- Amber: Connected at 100Mbps
- Off: Connected at 10Mbps or not in use

FortiGate 240D-POE

MGMT (RJ-45)

Client port for management

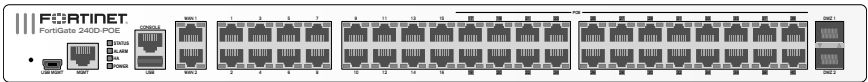
Default IP address is 192.168.1.99

WAN Ports (RJ-45)

Gigabit Ethernet Internet connections

DMZ Ports 1 & 2 (SFP)

Optional 1Gbps SFP port connections to DMZ network or devices.



Console (RJ-45)

Optional connection to the management computer

Provides access to the CLI

USB (USB A)

USB server port

USB MGMT (USB mini-B)

USB client port



Ethernet Ports 1 to 16 (RJ-45)

Gigabit Ethernet local network connections

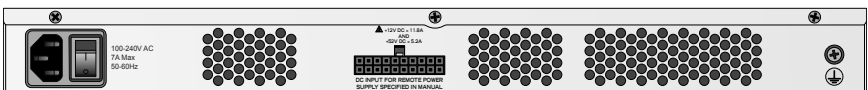
Ethernet Ports 17 to 40 (RJ-45)

Gigabit Ethernet ports with Power over Ethernet (PoE) providing up to a maximum of 270W

RPS

Optional redundant power supply connection

12V DC @ 11.8A, 52V DC @ 5.2A



Power

100-240V AC, 50-60Hz, 7A Max

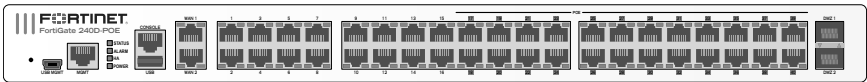
FortiGate 240D-POE

Logo

- Green: The unit is on
- Off: The unit is off

PoE Ports

- Green: Connected and powered
- Red: Connected but not powered
- Off: Not connected



Status

- Green: Normal
- ☀ Flashing Green: Booting up
- Red: The unit has a major alarm

Alarm

- Red: The unit has a major alarm
- Amber: The unit has a minor alarm
- Off: The unit is operating normally

HA

- Green: Operating in an HA cluster
- Red: HA failure
- Off: HA disable

Power

- Green: The unit is on
- Off: The unit is off

SFP Ports

- Green: Connected
- ☀ Flashing Green: Transmitting & receiving data
- Off: No link established

Ethernet Ports Link/Activity

- Green: Connected
- ☀ Flashing Green: Transmitting & receiving data
- Off: No link established

Ethernet Ports Speed

- Green: Connected at 1Gbps
- Amber: Connected at 100Mbps
- Off: Connected at 10Mbps or not in use

Rack Installation

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

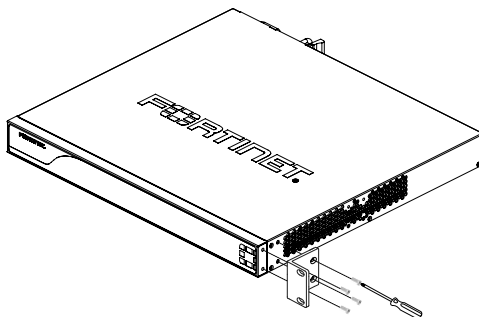
Caution: Electrostatic discharge (ESD) can damage your Fortinet equipment.

To avoid personal injury or damage to the unit, it is recommended that two or more people install the unit into the rack.

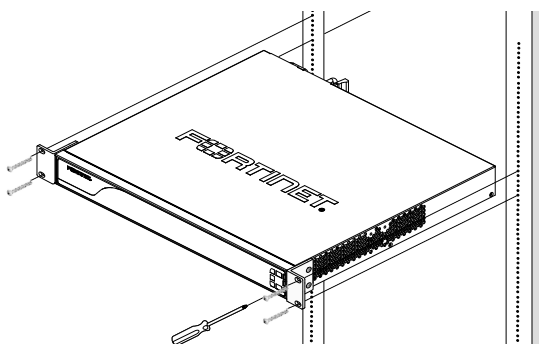
Do not place heavy objects on the unit.

To install the FortiGate unit into a rack

1. Attach the provided rack-mount brackets to the sides of the unit using the provided screws.
2. Position the FortiGate unit in the rack. Ensure there is enough room around the unit to allow for sufficient air flow.
3. Line up the rack-mount bracket holes to the holes on the rack and ensure that the FortiGate unit is level.



4. Finger tighten four rack-mount screws to attach the unit to the rack.
5. 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.



6. Plug the provided power cable into the rear of the unit, and then into a grounded electrical outlet or a separate power source such as an uninterruptible power supply (UPS) or a power distribution unit (PDU).

Desktop Installation

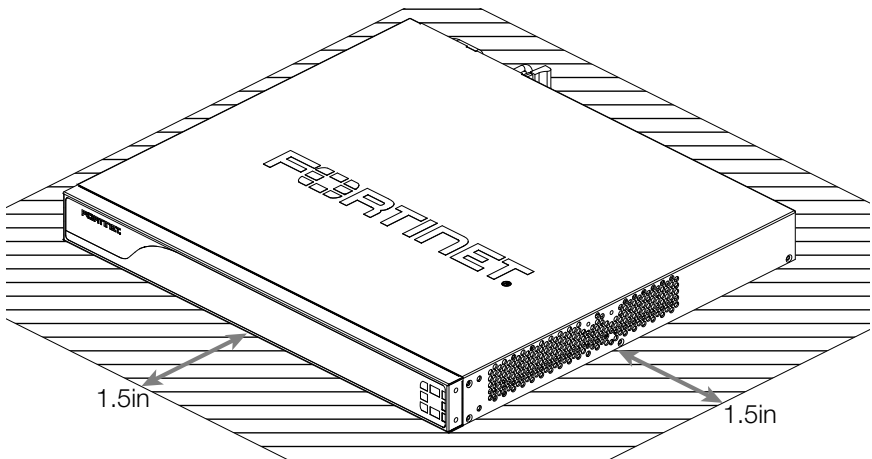
The FortiGate unit can be placed on any flat surface with the provided rubber feet.

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 cable into the rear of the unit, and then into a grounded electrical outlet or a separate power source such as an uninterruptible power supply (UPS) or a power distribution unit (PDU).

Cautions and Warnings

Environmental specifications

Ambient operating temperature: 0C to 40C

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 (T_{ma}) 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 (T_{ma}) 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

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: This equipment is to be used in a Network Environment 0 per IEC/EN 62101. This product is connected only to PoE networks without routing to the outside plant.

Attention: Ce matériel doit être utilisé dans un Environnement Réseau 0 par IEC/EN 62101. Ce produit est uniquement connecté aux réseaux PoE sans installation externe de routage.

The RPS connection is intended to be connected to the power source from Fortinet IEC certified/UL Listed equipment. The power rating of the product must be less than or equal to the output rating of the power source.

La connexion de RPS est destinée à être reliée à la source de Fortinet CEI de matériel homologué / Listé UL puissance. La puissance nominale du produit doit être inférieure ou égale à la puissance nominale de sortie de la source 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 / paraserbenteur 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 connectée en permanence à la terre avec un conducteur vert avec la taille bande jaune de minimum # 14 AWG et la connexion doit être installée par un personnel qualifié.

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

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 Regulations 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 édicté 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.



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。

Voluntary Control Council for Interference (VCCI) - Japan

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Bureau of Standards Metrology and Inspection (BSMI) - Taiwan

這是甲類的資訊產品，在居住的環境中使用時，可能會造成射頻干擾，在這種情況下，使用者會被要求採取某些適當的對策。

China

此為A級產品，在生活環境中，該產品可能會造成無線電干擾。這種情況下，可能需要用戶對其採取切實可行的措施。

Agência Nacional de Telecomunicações (ANATEL) - Brazil

Este equipamento opera em caráter secundário, isto é, não tem direito a proteção contra interferência prejudicial, mesmo de estações do mesmo tipo, e não pode causar interferência a sistemas operando em caráter primário.

FG-200D:



Para maiores consultas sobre ANATEL consulte o site: www.anatel.gov.br

Korea Certification (KC) - Korea

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Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law. If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.) Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for your own use and reverse engineering for debugging such modifications. You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

- Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
- Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
- Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
- If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
- Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable. It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

- Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.
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