



FortiSwitch M426E-FPOE

Register for Support

To download up-to-date FortiSwitch documentation, visit:

<https://docs.fortinet.com/product/fortiswitch>

For Technical Support and Registration, visit:

<http://forti.net/support>

For all other inquiries, please contact us:

<https://support.fortinet.com>

Toll free: 1 866 648 4638

Phone: 1 408 486 7899

Fax: 1 408 235 7737

Email: register@fortinet.com

Register your Fortinet product to receive:

- Technical Support
- New product features
- Protection from new threats

Vous devez enregistrer le produit pour recevoir:

- Support technique
- Nouvelles fonctionnalités du produit
- Protection contre de nouvelles menaces

La reistruzione ti permette di usufruire di:

- Supporto Tecnico
- Nuove funzionalità
- Protezione dalle ultime minacce

Debe registrar el producto para recibir:

- Apoyo técnico
- Nuevas funcionalidades del producto
- Protección contra ataques

登録のお願い

本日、フォーティネット製品の登録をしてください。

登録すると次のメリットがあります。

テクニカルサポート・新機能の追加・新しい脅威への防御

请马上注册

您的飞塔产品

您在注册以后才能得到技术支持、新产品特点信息、最新威胁防护



September 08, 2023

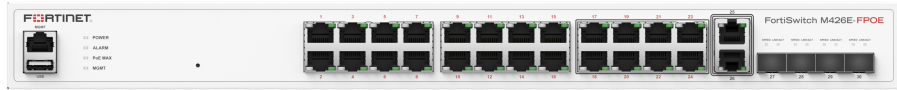
This guide covers: FS-M426E-FPOE

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Box Includes

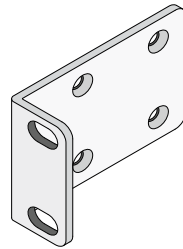
Port Guide



FortiSwitch M426E-FPOE



QuickStart Guide



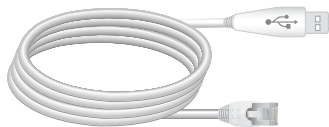
2 x Rack-Mount Brackets



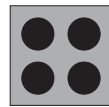
2 x Power Cable



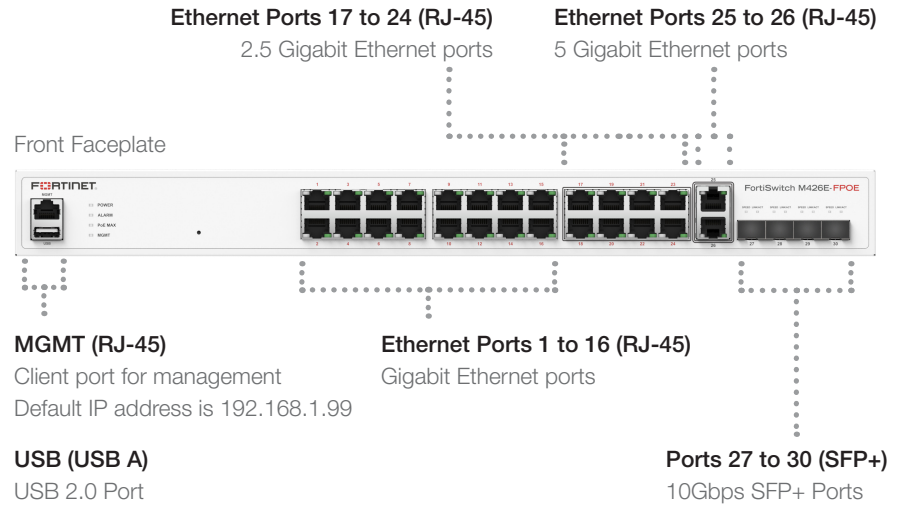
8 x Bracket Screws



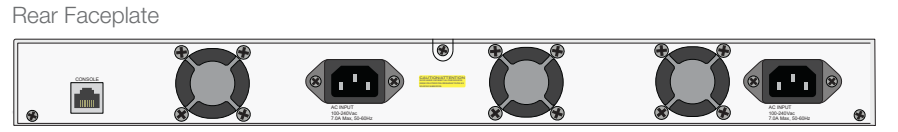
Console Cable
(USB to RJ45)



4 x Rubber Feet

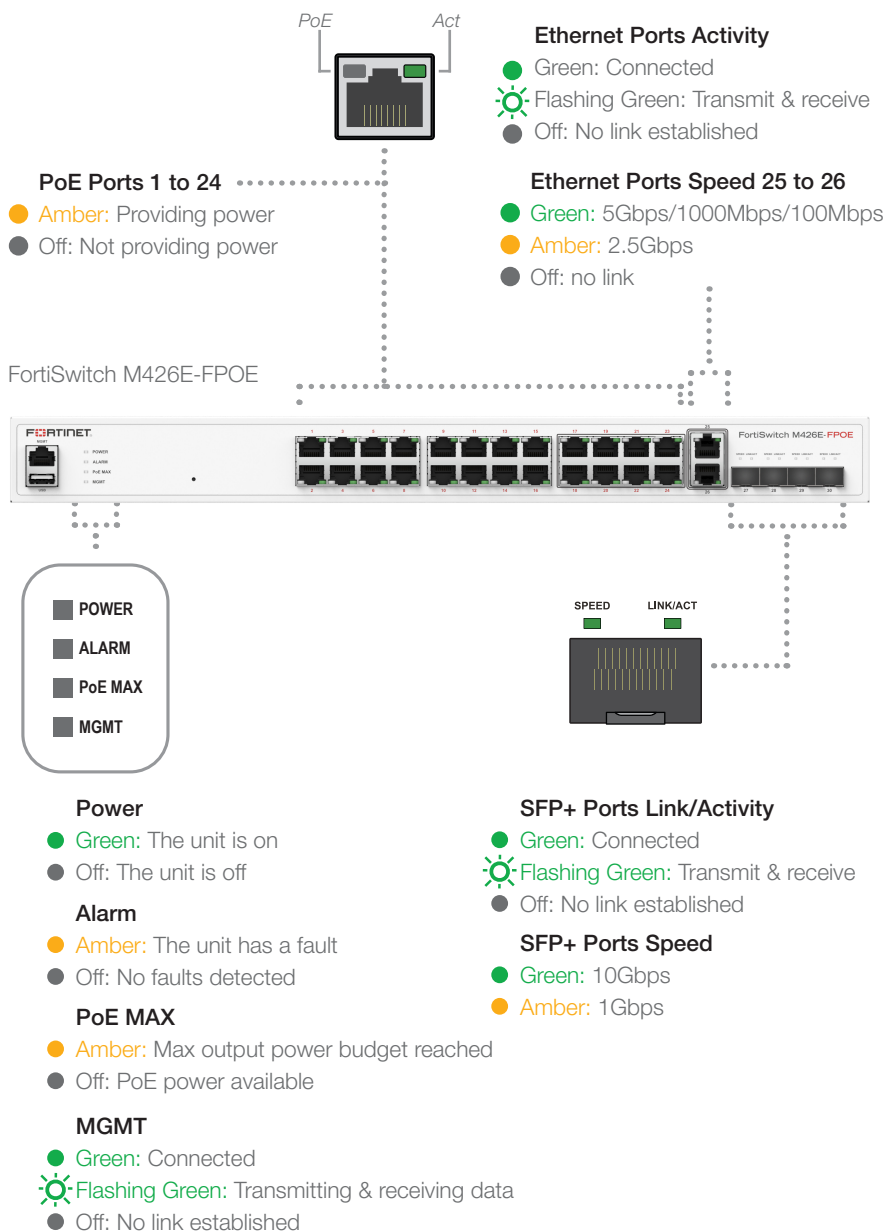


Note: Ports 1 to 16 are 802.3af/at. Ports 17 to 24 are 802.3af/at/UPOE (60W)



Console (RJ-45)
Optional connection to the management computer. Provides access to the CLI.

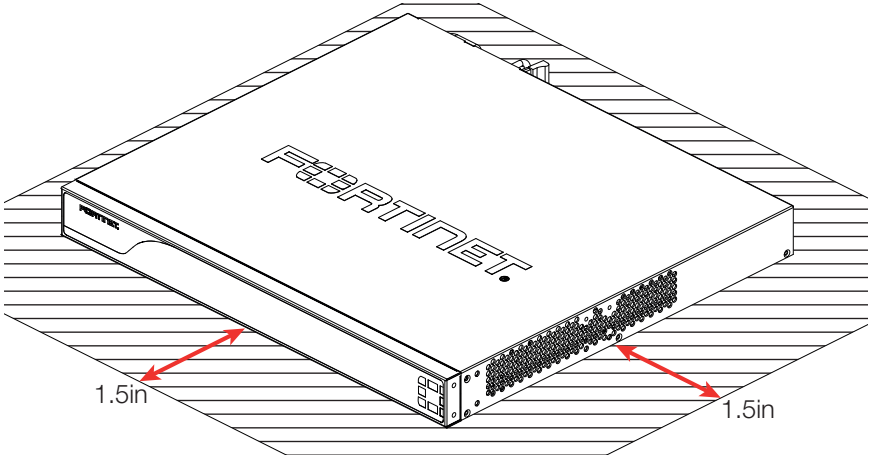
Redundant Power Supplies
100-240V AC, 7.0A, 50/60Hz



- Line up the [rack-mount bracket holes](#) to the [holes on the rack](#) and ensure that the FortiSwitch unit is [level](#).
- Finger tighten [four rack-mount screws](#) to attach the unit to the [rack](#).
- Verify that the spacing around the FortiSwitch unit conforms to requirements and that the unit is [level](#), then tighten the [rack-mount screws](#) with an appropriate [screwdriver](#).
- 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 \(PDU\)](#).

To install the unit on a flat surface

- Ensure that the surface onto which the FortiSwitch 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.
- Attach the provided [rubber feet](#) to the bottom of the FortiSwitch unit.



- Place the unit in the designated location.
- Verify that the spacing around the FortiSwitch unit conforms to requirements and that the unit is [level](#).
- 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 \(PDU\)](#).

Device Installation

The FortiSwitch unit can be placed on any **flat surface**, or mounted in any standard **19 inch rack** unit with the provided rack-mount brackets and screws.

Please read "Ethernet Ports 1 to 16" prior to installing your device.

Caution:

Electrostatic discharge (ESD) can damage your Fortinet equipment.

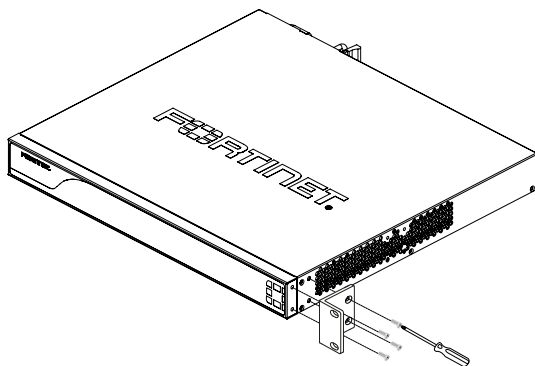
Do not place heavy objects on the unit.

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

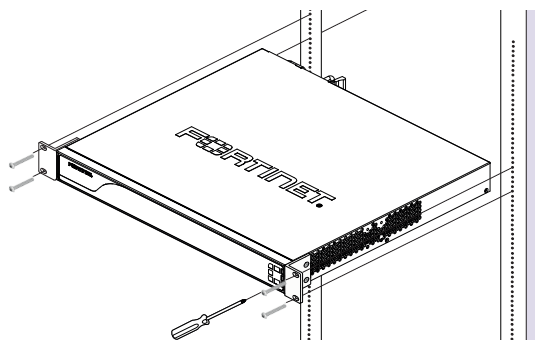
Note: If the unit has a redundant power supply, each power cable should be connected to a different power source. In this way, if one power source fails, the other may still be operational and the unit will not lose power.

To install the FortiSwitch unit into a rack

1. Ensure that the FortiSwitch unit is placed on a stable surface prior to **rack-mount** installation.
2. Attach the provided **rack-mount brackets** to the sides of the unit using the provided **bracket screws**.



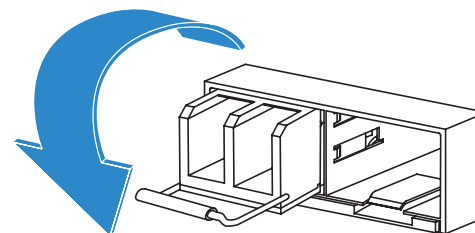
3. Position the FortiSwitch unit in the **rack**. Ensure there is enough room around the unit to allow for sufficient air flow.



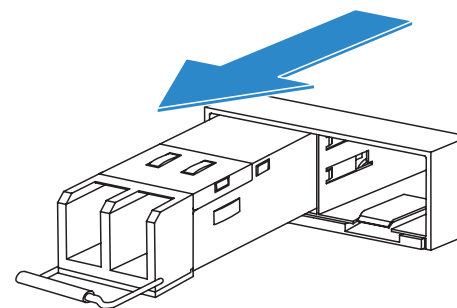
6. Verify that the **transceiver** is latched correctly by grasping the sides of the **transceiver** and trying to pull it out without lowering the **extraction lever**.
If the **transceiver** cannot be removed, it is installed and latched correctly.
If the **transceiver** can be removed, reinsert it and press harder with your thumb.
If necessary, repeat this process until the **transceiver** is securely latched into the **cage socket**.

To remove the SFP transceivers

1. Ensure that you are properly grounded.
2. If applicable, disconnect the **fiber-optic cable** from the **transceiver connector** and install a clean **dust plug** in the **transceiver's optical bores**.
3. Pull the **extraction lever** out and down to eject the **transceiver**. If you are unable to use your finger to open the **lever**, use a **small flat-head screwdriver** or other similar tool to open the **lever**.
4. Hold the sides of the **transceiver** and carefully pull it away from the **cage socket**.



5. Replace the **cap** on the **SFP cage socket** and place the removed **SFP transceiver** into an **antistatic bag**.



Caution: Do not force the SFP transceivers into the cage slots. If the transceiver does not easily slide in and click into place, it may not be aligned correctly or may be upside down. If this happens, remove the SFP transceiver, realign it or rotate it and slide it in again.

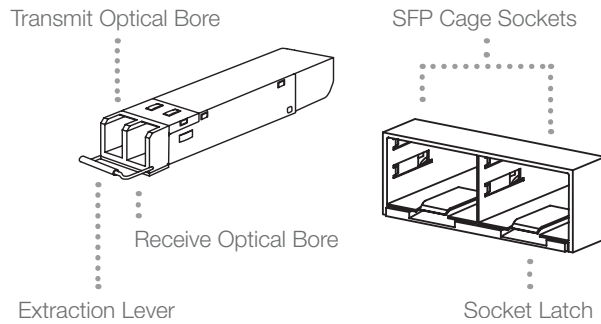
Note: Follow proper fiber-optic handling procedures when installing and removing SFP transceivers to ensure the devices remain clean and are not damaged.

SFP Transceivers

Caution: SFP transceivers are static sensitive devices. Use an ESD wrist strap or similar grounding device when handling transceivers.

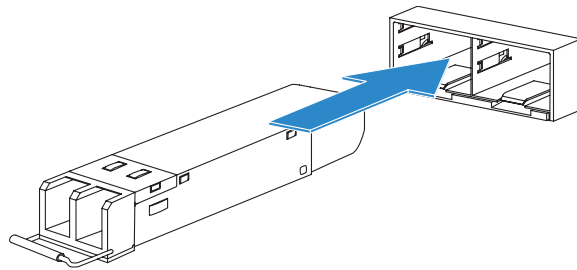
Do not install or remove SFP transceivers while fiber-optic cables are still attached. This can cause damage to the cables, cable connectors, and the optical interfaces. It may also prevent the transceiver from latching correctly into the socket connector.

Note: Installing and removing SFP transceivers can shorten their useful life. Do not install or remove transceivers more than is necessary.



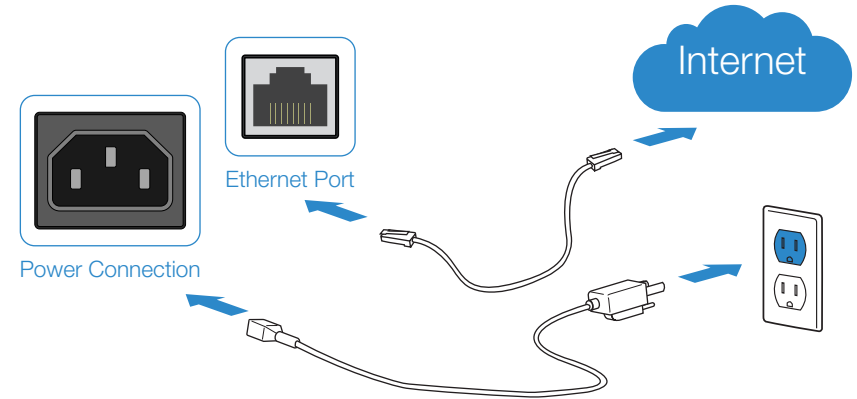
To install the SFP transceivers

1. Ensure that you are properly grounded.
2. Remove the caps from the SFP cage sockets on the front panel of the unit.
3. Position the SFP transceiver in front of the cage socket opening and ensure that the transceiver is correctly oriented. When the transceiver is correctly oriented, the extraction lever will be level with the socket latch.
Note: SFP cage socket orientation may vary. Ensure that the SFP transceiver module is correctly oriented each time that you are inserting a transceiver.
4. Hold the sides of the SFP transceiver and slide it into the cage socket until it clicks into place.



5. Press the transceiver firmly into the cage socket with your thumb.

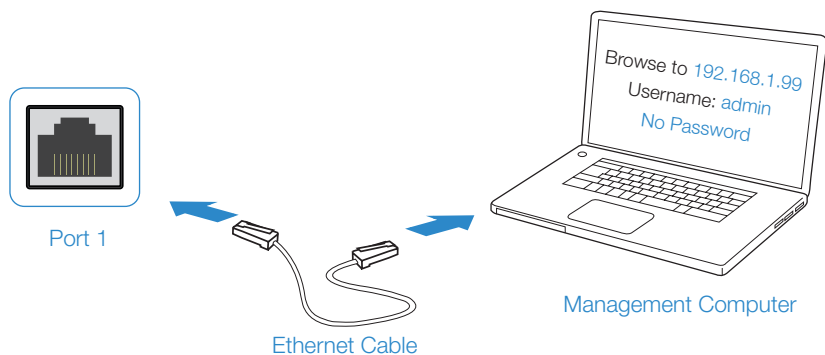
Internet Connection



Connect your device to a power outlet and an Internet connection. This is usually a modem, but could also be another device on your network.

Note: If the unit has a redundant power supply, each power cable should be connected to a different power source. In this way, if one power source fails, the other may still be operational and the unit will not lose power.

GUI



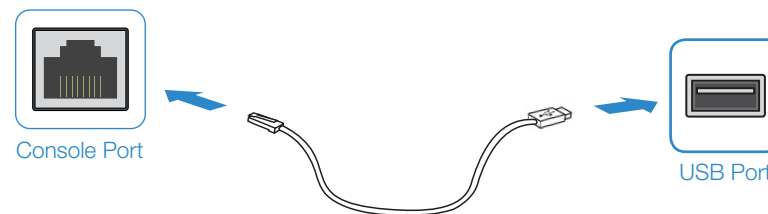
1. Connect [port 1](#) to the [Management Computer](#) using the supplied [Ethernet cable](#)
2. Enable [DHCP](#) or set the Management Computer's [IP](#) and [subnet](#) to:

Static IP Address: [192.168.1.1](#)
Subnet Mask: [255.255.255.0](#)

3. Visit [192.168.1.99](#) in a web browser
4. [Log in](#) with the username [admin](#) and [no password](#)
5. You can now configure your FortiSwitch

Note: After you log in for the first time, you will be prompted to set a new password

CLI



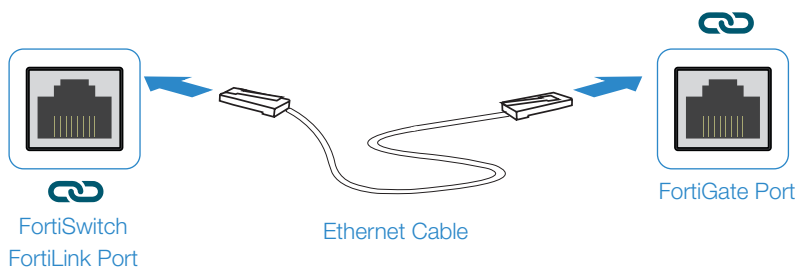
1. Connect the [Console Port](#) with a [Console Cable](#) to the [Serial Port](#) on the [Management Computer](#)
2. Start a [terminal program](#) on the [Management Computer](#) and select an available [COM Port](#) using the following default settings:

Baud rate: [115200](#)
Data bits: [8](#)
Parity: [None](#)
Stop bits: [1](#)
Flow control: [None](#)

3. Log in using username [admin](#) and [no password](#)
4. You can now configure your FortiSwitch

Note: After you log in for the first time, you will be prompted to set a new password

FortiLink



1. Connect a **FortiSwitch FortiLink Port** directly using an Ethernet Cable to a **FortiGate FortiLink Port** or any FortiGate Port that is not an HA port
2. Login to the FortiGate and go to the **WiFi & Switch Controller --> FortiLink Interface**
3. Add a **FortiGate Port** in the FortiLink interface and choose **Automatically authorize devices**
4. When the **FortiSwitch is online** in the **WiFi & Switch Controller --> Managed FortiSwitch** section, you can now manage your FortiSwitch

Cloud Management

(Connect a port to the Internet)

1. Visit support.fortinet.com to register your device and cloud management license
2. Sign in at <https://fortilan.forticloud.com> to manage your Inventory List

Cautions and Warnings

Environmental Specifications

Ambient operating temperature: 0°C to 45°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

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.

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-003 (A) / NMB-003 (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.



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。

VCCI-A

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>

此為甲類資訊技術設備，於居住環境中使用時，可能會造成射頻擾動，在此種情況下，使用者會被要求採取某些適當的對策。

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地址：台北市內湖區行愛路176號2樓
電話：(02) 27961666

China

此为A级产品，在生活环境中，该产品可能会造成无线电干扰。这种情况下，可能需要用户对其采取切实可行的措施。

Fortinet Customer Service & Support

Create a support account, register and manage your products, download updates, firmware images and release notes, and create technical support tickets.

<https://support.fortinet.com>

Fortinet Document Library

Up-to-date versions of Fortinet publications for the entire family of Fortinet products.

<http://docs.fortinet.com>

Training Services

Course descriptions, availability, schedules, and location of training programs in your area.

<http://www.fortinet.com/support/training.html>

Technical Discussion Forums

Communicate with other customers and Fortinet partners about Fortinet products, services, and configuration issues.

<https://support.fortinet.com/forum>

FortiGuard Threat Research and Response

Up-to-date information on vulnerabilities and threats, includes a virus scanner, IP signature look-up, and web filtering tools.

<http://www.fortiguard.com>