



# QuickStart Guide

FortiAP 244K

FAP-244K



## The Essentials

### Secure your Network

Register at <https://support.fortinet.com> for the latest threat protection updates

### Default Logins

 <https://192.168.1.2>  
Username: **admin**  
Password: **leave blank**

 <https://fortiedge.forticloud.com>  
Username: **user-defined**  
Password: **user-defined**

### Fortinet Documents Library

For getting started documentation admin guides, up-to-date hardware manuals and reference resources, visit <https://docs.fortinet.com/>

### FortiEdge Cloud

Experience simplified cloud provisioning, zero touch deployment, configuration management and reporting at <https://fortiedge.forticloud.com>

## Package Contents

**FortiAP 244K**  
FAP-244K



FortiAP Device



QuickStart Guide



1x PoE Injector



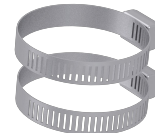
1x Power Cord



1x Grounding Cable



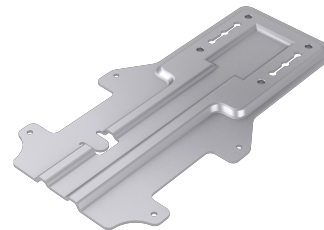
M6× 4 pieces  
M4× 5 pieces  
M8× 1 piece



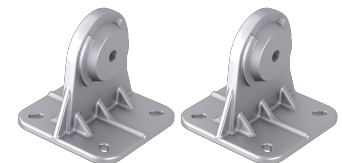
2x Hose Clamps



1x M30 Cable Gland



1x Mounting Plate

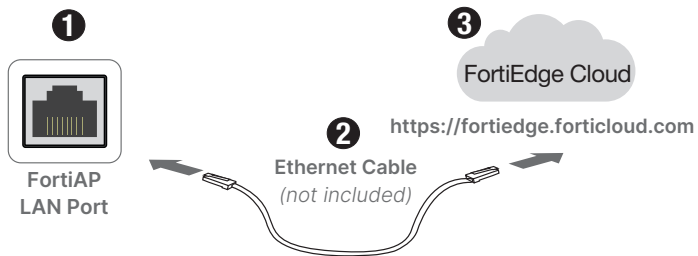


2x Die Casting Brackets

# Setup Options

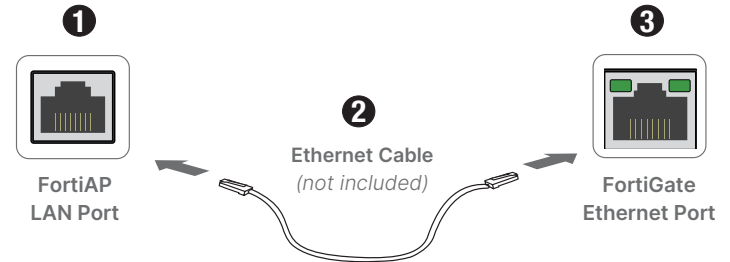
Power the FortiAP device with a PoE injector, FortiGate or FortiSwitch PoE port or the optional (not included) power adapter.

## FortiEdge Cloud



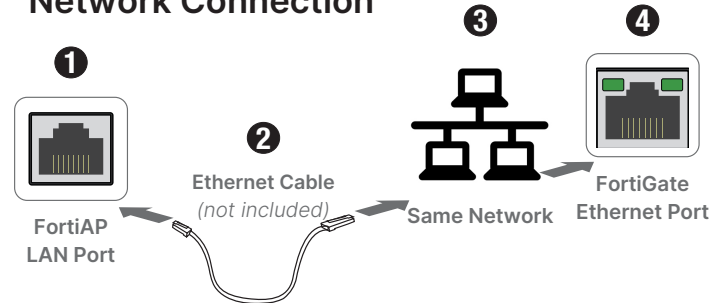
**Note:** Use your FortiCloud credentials to log in, then click Inventory, Import AP Key and enter the Cloud Key on the device sticker

## Direct Connection



**Note:** To self-configure, preauthorize the FortiAP on your FortiGate. Otherwise once connected, wait for the FortiAP to appear on the Managed FortiAP page in FortiOS.

## Network Connection



**Note:** Connect to the FortiAP using 192.168.1.2 with username *admin* and set a password. Specify the FortiGate IP using:

```
cfg -a AC_IPADDR=0.0.0.0
cfg -c
```

where 0.0.0.0 is the FortiGate IP.

## Interfaces - FAP 244K



1

1

### LED STATUS

#### Power

-  **Off:** Device is off
-  **Green:** Device is on; connected to a controller
-  **Amber:** Device is on; not connected to a controller

#### Code Integrity Check

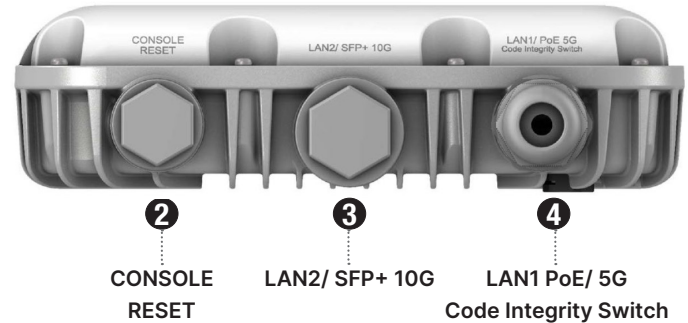
-  **Green:** Officially released image
-  **Red:** Non-officially special build

#### LAN

-  **Off:** LAN is not connected
-  **Green:** LAN is connected
-  **Blinking Green:** LAN data activity

#### WiFi

-  **Off:** WiFi not broadcasting
-  **Green:** Broadcasting SSID across any radio
-  **Blinking Green:** Wireless data activity

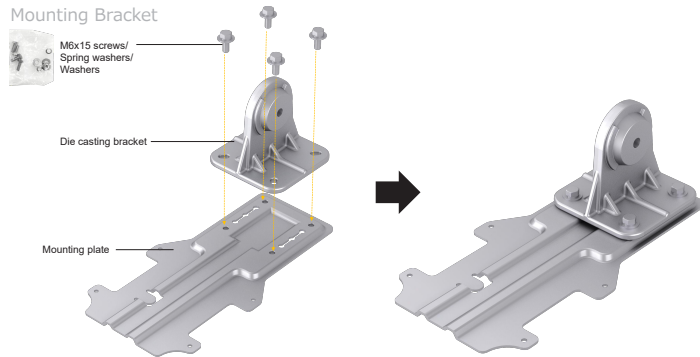


2  
CONSOLE  
RESET

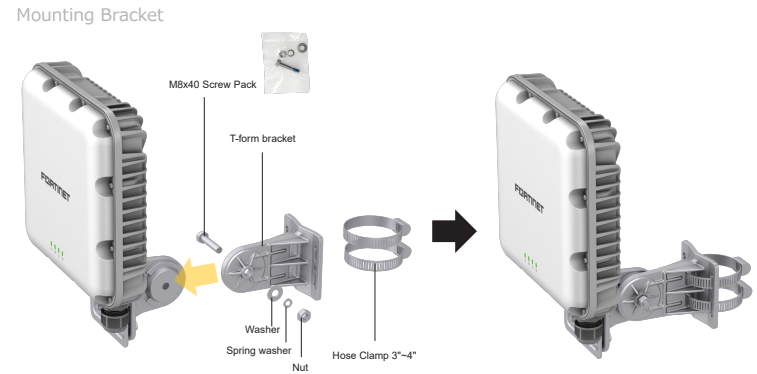
3  
LAN2/ SFP+ 10G

4  
LAN1 PoE/ 5G  
Code Integrity Switch

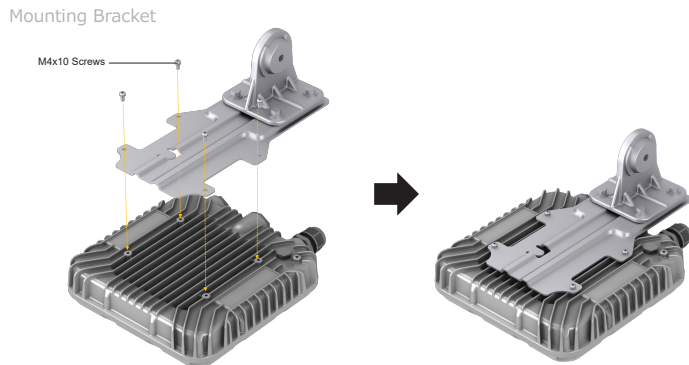
## Attach Mounting Bracket to Plate



## Assemble Mounting Bracket for Pole



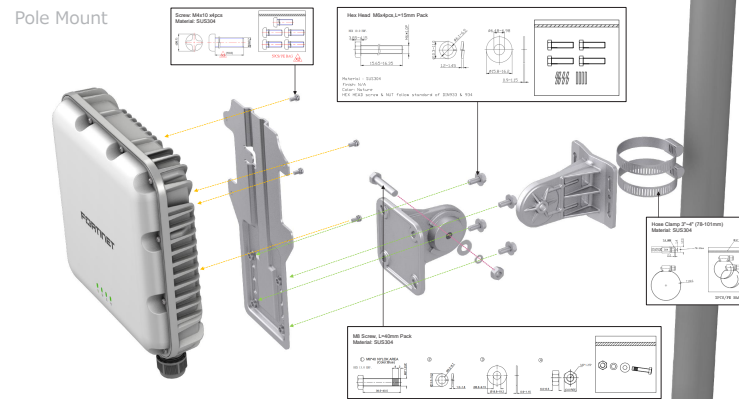
## Attach Bracket and Plate to Device



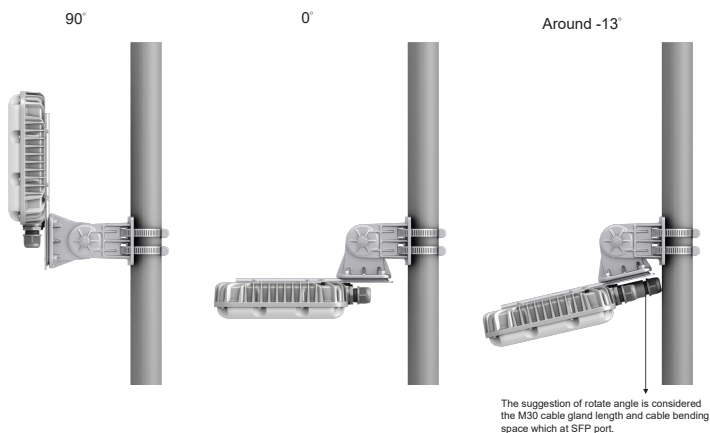
## Pole Mount



## Pole Mount Assembly

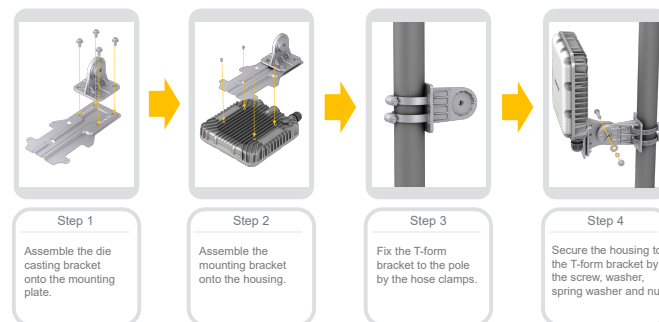


## Pole Mount Bracket Rotation



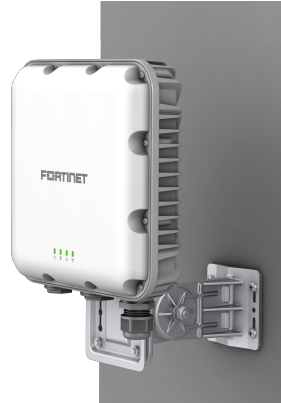
## Pole Mount Installation

Pole mount installation



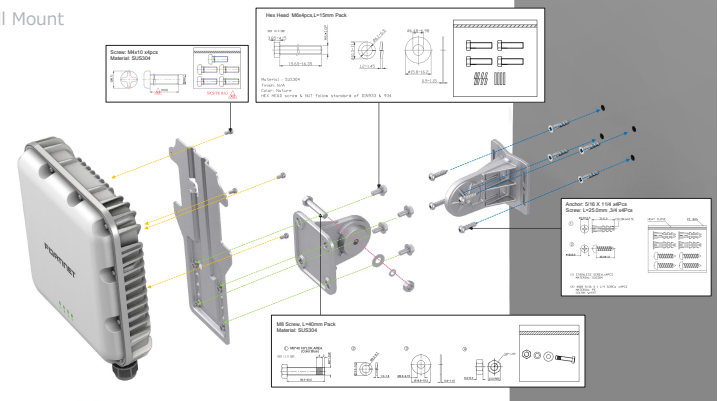
## Wall Mount

Wall Mount



## Wall Mount Assembly

Wall Mount

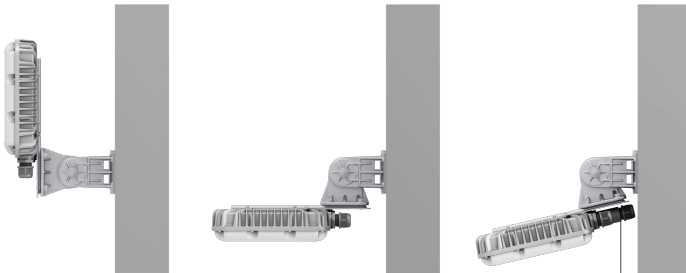


## Wall Mount Bracket Rotation

90°

0°

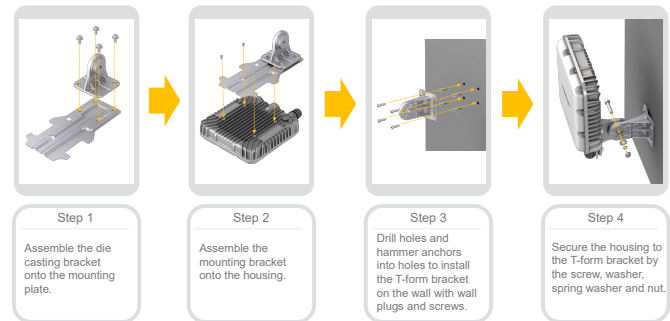
Around -13°



The suggestion of rotate angle is considered the M30 cable gland length and cable bending space which at SFP port.

## Wall Mount Installation

Wall mount installation

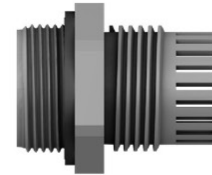


## Install Cable Gland

### Waterproof Cabling (M25)

1. Unscrew the sealing nut from the panel connector and remove the seal
2. Thread the RJ45 plug through the nuts and the seal, then the panel connector
3. Wrap the seal and claw around the cable between the sealing nut and connector
4. Insert the RJ45 plug into the port and screw the panel connector onto the threads
5. Slide the seal along the cable into the panel connector
6. Screw the sealing nut until tightening

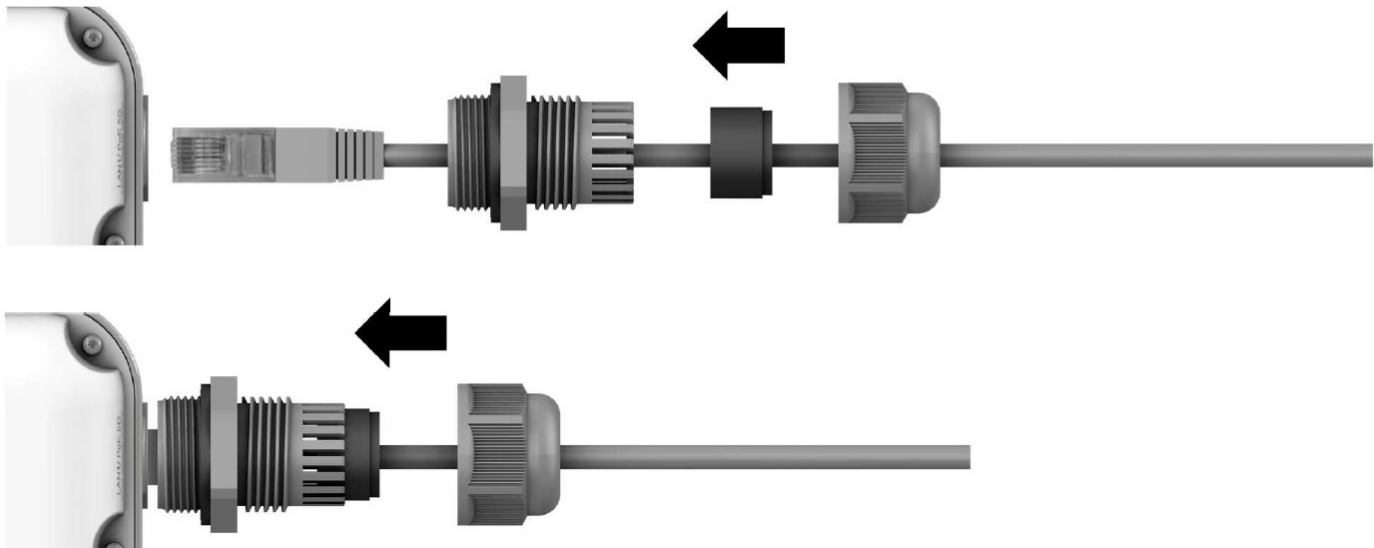
Panel connector



Seal



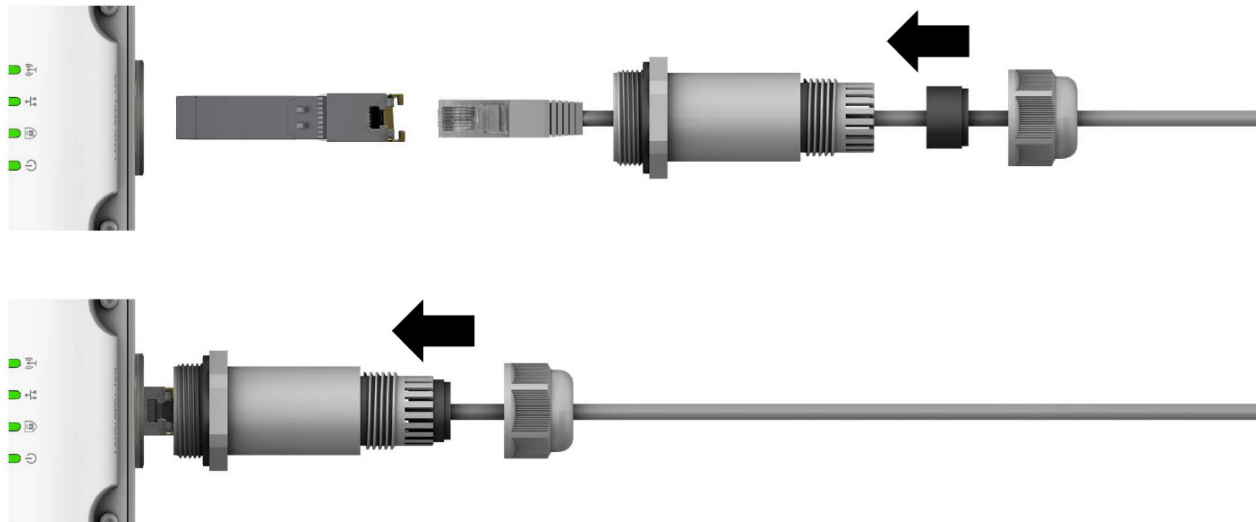
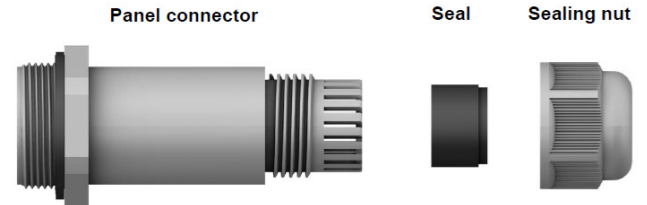
Sealing nut



## Install Cable Gland

### Waterproof Cabling (M30)

1. Unscrew the sealing nut from the panel connector and remove the seal
2. Thread the RJ45 plug through the nuts and the seal, then the panel connector
3. Wrap the seal and claw around the cable between the sealing nut and connector
4. Insert the RJ45 plug into the transceiver port and screw the panel connector onto the threads
5. Slide the seal along the cable into the panel connector
6. Screw the sealing nut until tightening



## Cautions and Warnings

### Environmental specifications

Ambient operating temperature: -40°C to 70°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

**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.

**Caution:** This equipment is to be used in a Network Environment 0 per IEC TR 62102. 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 TR 62102. Ce produit est uniquement connecté aux réseaux PoE sans installation externe de routage.

This product is intended to be supplied by a Listed Direct Plug-In Power Unit marked LPS or Class 2 and rated 56Vdc, 0.535A from PoE source.  
Le produit doit être alimenté par un bloc d'alimentation à courant continu homologué UL de 56Vdc, 0.535A nominal marqué LPS ou Classe 2 ou par une source d'alimentation par Ethernet de 56Vdc (PoE).

**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 equipment is to be connected only to PoE networks (LPS) and maybe installed outdoors except the Surge Protector, the PoE Injector and its external LPS Power Supply which are intended for indoor installation only.

Ce produit doit être connecté uniquement aux réseaux POE et peut être installé à l'extérieur sauf le protecteur de surtension, l'injecteur PoE et son alimentation LPS externe qui sont destinés à une installation intérieure seulement.

Suitable for use in environmental air space in accordance with Section 300-22(C) of the National Electrical Code, and Sections 2-128, 12-010(3) and 12-100 of the Canadian Electrical Code, Part 1, CSA C22.1.

Convient pour une utilisation dans l'espace aérien conformément à l'article 300-22 (C) du Code national de l'électricité, et des articles 2-128, 12-010 (3) et 12-100 du Code de l'électricité canadien, Partie 1, CSA C22.1.

## 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 30 cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

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

The operation of this device is prohibited on oil platforms, cars, trains, boats, and aircraft.

Operation of transmitters in the 5.925-7.125 GHz band is prohibited for control of or communications with unmanned aircraft systems.

### Innovation, Science and Economic Development (ISED) – 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.

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

Pour les produits disponibles sur le marché des États-Unis/Canada, seuls les canaux 1 à 11 peuvent être utilisés. La sélection d'autres canaux n'est pas possible.

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 36 cm between the radiator and 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 36 cm de distance entre la source de rayonnement et votre corps.

This device and its 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 (ses) antenne(s) ne doivent pas être installés ou utilisés conjointement avec une autre antenne ou un autre émetteur, sauf conformément aux procédures de produit multi-émetteurs de l'IC.

**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 install or change the settings.
2. 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.

**IMPORTANT: L'appareil doit être installé par un professionnel et doit utiliser l'antenne fournie.**

#### Instructions d'installation professionnelle

1. Installation  
Ce produit est conçu pour une application spécifique et doit être installé par du personnel qualifié possédant des connaissances en radiofréquence (RF) et en réglementation associée. L'utilisateur général ne doit pas tenter d'installer ou de modifier les paramètres.
2. Avertissement  
Veuillez choisir soigneusement l'emplacement d'installation et vous assurer que la puissance de sortie finale ne dépasse pas la limite fixée par les règles applicables. Le non-respect de ces règles peut entraîner de lourdes sanctions fédérales.

The device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems.  
les dispositifs fonctionnant dans la bande 5150-5250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux.

Devices shall not be used for control of or communications with unmanned aircraft systems.  
Les appareils ne doivent pas être utilisés pour contrôler ou communiquer avec des systèmes d'aéronefs sans pilote.

Devices shall not be used on oil platforms.  
Les appareils ne doivent pas être utilisés sur les plates-formes pétrolières.

Devices shall not be used on aircraft, except for the low-power indoor access points, indoor subordinate devices, low-power client devices, and very low-power devices operating in the 5925-6425 MHz band, that may be used on large aircraft as defined in the Canadian Aviation Regulations, while flying above 3,048 metres (10,000 feet).  
Les appareils ne doivent pas être utilisés sur les avions, à l'exception des points d'accès intérieure à faible puissance, des dispositifs subordonnés intérieurs, des dispositifs clients de faible puissance et des dispositifs de très faible puissance fonctionnant dans la bande 5925-6425 MHz, qui peut être utilisée sur de grands avions tel que défini dans la réglementation de l'aviation canadienne, tout en volant au-dessus de 3 048 mètres (10 000 pieds).

Devices shall not be used on automobiles.  
Les appareils ne doivent pas être utilisés sur les automobiles.

Devices shall not be used on trains.  
Les appareils ne doivent pas être utilisés dans les trains.

Devices shall not be used on maritime vessels.  
Les appareils ne doivent pas être utilisés sur les navires maritimes.

The antenna height shall be determined by the installer or operator of the standard-power access point or fixed client device, or by automatic means. This information shall be stored internally in the device. Provision of accurate device information is mandatory.

La hauteur de l'antenne doit être déterminée par l'installateur ou l'opérateur du point d'accès à puissance standard ou de l'appareil client fixe, ou par des moyens automatiques. Ces informations doivent être stockées en interne dans l'appareil. La fourniture d'informations précises sur l'appareil est obligatoire.

#### 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.



This equipment should be installed and operated with minimum distance 20cm between the radiator and 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 směrnici 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/EU.

##### English

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

##### Español

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

##### Ελληνικά

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 gaminys 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 at the link below:

<https://site.fortinet.com/ProductRegulatory/EU>

The device is restricted to indoor use only when operating in the 5150 to 5350MHz and 5945-6425MHz 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(NI) |

**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:

2402-2480MHz less than 20dBm  
 2405-2480MHz less than 20dBm  
 2412-2472MHz less than 20dBm  
 5180-5240MHz less than 23dBm  
 5260-5320MHz less than 23dBm \*  
 5500-5700MHz less than 30dBm \*  
 5725-5875MHz less than 14dBm  
 5955-6415MHz less than 23dBm

Note: \* Only with DFS bands certification.

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

**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  
 2405-2480MHz less than 20dBm  
 2412-2472MHz less than 20dBm  
 5180-5240MHz less than 23dBm  
 5260-5320MHz less than 23dBm \*  
 5500-5700MHz less than 30dBm \*  
 5725-5875MHz less than 14dBm  
 5955-6415MHz less than 23dBm

Note: \* Only with DFS bands certification.

This equipment should be installed and operated with minimum distance 20cm between the radiator and 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>

**Bureau of Standards Metrology and Inspection (BSMI) – Taiwan**

限用物質含有情況表 (RoHS Table) 請到以下網址下載:

<https://www.fortinet.com/bsmi>

請仔細閱讀以下說明:

本設備勿置於潮濕處。

連接至電源前，請先檢查電壓。

當設備不用時，請將所有電源線拔除，避免電壓不穩而造成傷害。

勿將任何液體潑入設備中，避免線路短路。

基於安全理由，只有受到專業訓練的從業人員，才可以打開本設備。

請勿自行調整或修理已通電的設備，以確保您的安全。

如不小心受傷，請立刻找急救人員給予您適當的救護，千萬別因傷勢輕微而忽略自己的傷勢

英屬蓋曼群島商防特網股份有限公司台灣分公司

地址：台北市內湖區行愛路176號2樓

電話：(02) 27961666

**National Telecommunications Commission (NCC) – Taiwan**

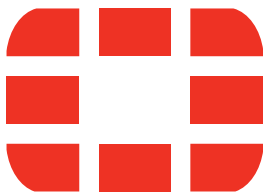
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減少電磁波影響，請妥適使用

電波功率密度 MPE 標準值：\_\_\_\_ mW/cm<sup>2</sup>，送測產品實測值：\_\_\_\_ mW/cm<sup>2</sup>，建議使用時設備天線至少距人體\_\_\_\_ 公分。



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