

# 快速入門指南

FortiAP 431G / 433G

# 在你開始使用之前

註冊您的設備以訪問FortiGuard更新、雲管理、韌體升級、技術支持和保修範圍。

<http://support.fortinet.com>



This guide covers: FAP-431G, FAP-433G


August 17, 2023


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## 要 點

### 預設登入

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

 <http://fortilcloud.com>  
Username: **user-defined**  
Password: **user-defined**

### 管理指南

有關詳細的 FortiAP 設置和配置信息，請參閱 <https://docs.fortinet.com/product/fortiap> 上的管理指南。

### 客戶服務

有關合同、許可、產品註冊和帳戶管理的信息，請聯繫FortiCare支援：  
<https://www.fortinet.com/support/contact>

### 自助服務資源

訪問我們的知識庫、論壇、視頻和技術專家：<https://www.fortinet.com/support/support-services/forticare-support>

感謝您選擇Fortinet

## 包裝內容

**FortiAP 431G / 433G**  
FAP-431G\*, FAP-433G\*\*



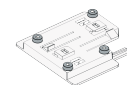
QuickStart Guide



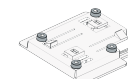
FortiAP Device\*



FortiAP  
Antenna Device\*\*



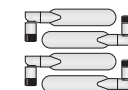
9/16" Ceiling  
Mounting Bracket



15/16" Ceiling  
Mounting Bracket



8x Mounting Screws  
with 8x Anchors

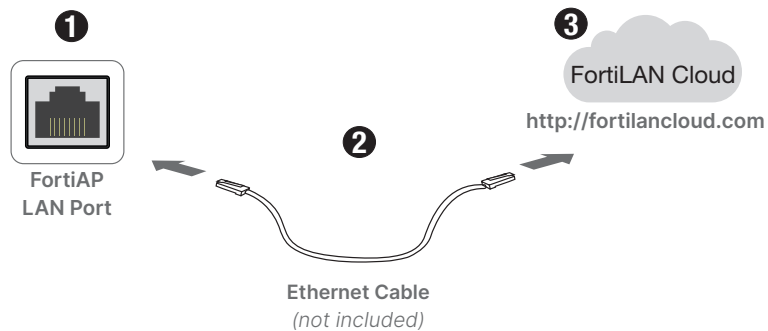


8x Antennas\*\*  
(4x detachable, 4x  
non-detachable)

## 設置選項

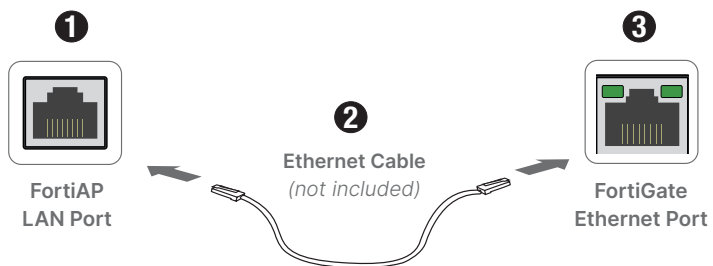
使用 802.3 at/at PoE 網路供電器、FortiGate PoE 端口或可選（未隨附）12V 4A 電源變壓器為 FortiAP 設備供電。

### FortiLAN Cloud



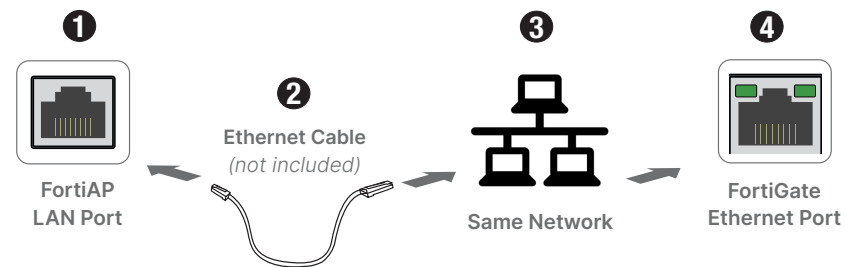
備註：使用您的 FortiCloud 憑據登入，然後單擊 Inventory、導入 AP 密鑰並輸入設備貼紙上的雲密鑰。

### Direct Connection



備註：要進行自我配置，請在 FortiGate 上對 FortiAP 進行預授權，否則一旦連接，請等待 FortiAP 顯示在 FortiOS 的“Managed FortiAP”頁面上。

### Network Connection



備註：使用 192.168.1.2 以用戶名 admin 連接到 FortiAP 並設置密碼。使用以下命令指定 FortiGate IP：

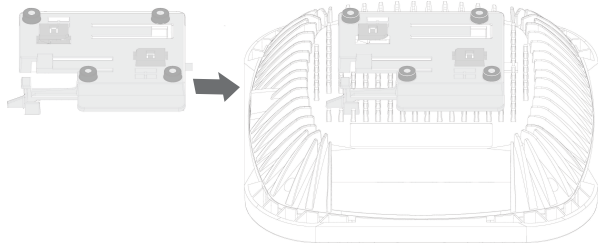
```
cfg -a AC_IPADDR=0.0.0.0
cfg -c
```

其中 0.0.0.0 是 FortiGate IP。

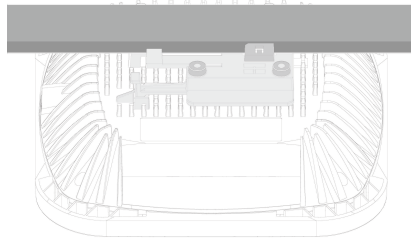
## 支架安裝

使用提供的 T 型導軌安裝支架將 FortiAP 安裝在天花板上，該支架有兩種標準尺寸：1.43厘米（9/16英寸）和2.38厘米（15/16英寸）。

1. 選擇適合 T 型導軌尺寸的支架：1.43厘米（9/16英寸）或2.38厘米（15/16英寸）。
2. 讓端口面向您，從左向右滑動支架。

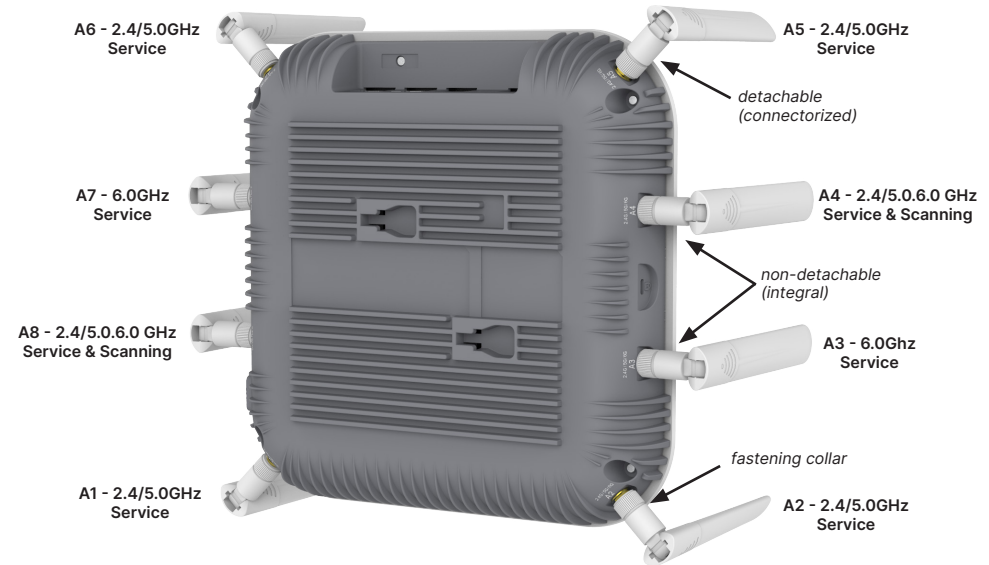


3. 將設備靠在天花板 T 型導軌上並推動直至其卡入到位。



## 天線安裝 (FAP-433G only)

1. 將天線底座牢固地插入適當的天線安裝座中。
2. 用手牢固地擰緊天線緊固環。
3. 對其餘天線重複此操作。



備註：天線A1/A2/A5/A6以2.4/5.0GHz發射Radio1/Radio2。天線A3/A7提供6.0GHz的Radio3服務。天線A4/A8以2.4/5.0/6.0GHz提供服務和掃描。

備註：有8個外部天線，每個角有4個可拆卸（連接器），設備側面有4個不可拆卸（一體式）。

# 接口介面 - FAP 431G / 433G



## 1 LED STATUS

### Power

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

### LAN

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

### WiFi

- Off: WiFi not broadcasting
- Green: SSID broadcasting
- Blinking Green: Wireless data activity

## 2 OPTIONAL POWER (12V DC) Optional 12V DC 4A adapter

## 3 RESET system reset

## 4 CONSOLE (RJ-45) CLI management

## 5 LAN2 / POE 5G (RJ-45) 5 Gbps 802.3at/802.3bt PoE Ethernet interface

## 6 LAN1 / POE 5G (RJ-45) 5 Gbps 802.3at/802.3bt PoE Ethernet interface

## Cautions and Warnings

### Environmental specifications

Ambient operating temperature: 0°C to 50°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 IECTR 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 IECTR 62101. 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 12Vdc, 4A or by 55Vdc from PoE source.

Le produit doit être alimenté par un bloc d'alimentation à courant continu homologué UL de 12Vdc, 4A nominal marqué LPS ou Class 2 ou par une source d'alimentation par Ethernet de 55Vdc (PoE).

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 20cm 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.

For operation within 5.925-7.125GHz frequency range.

FCC regulations restrict the operation of this device to indoor use only.

The operation of this device is prohibited on oil platforms, cars, trains, boats, and aircraft, except that operation of this device is permitted in large aircraft while flying above 10,000 feet.

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

### Industry Canada Equipment Standard for Digital Equipment (ICES) – 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 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.

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

Pour les produits disponibles aux États-Unis / Canada du marché, seul le canal 1 à 11 peuvent être exploités. 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 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.

### Detachable antenna usage

This radio transmitter [IC: 7280B-3918T05646] has been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

Le présent émetteur radio [IC: 7280B-3918T05646] a été approuvé par Innovation, Sciences et Développement économique Canada pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal. Les types d'antenne non inclus dans cette liste, et dont le gain est supérieur au gain maximal indiqué pour tout type figurant sur la liste, sont strictement interdits pour l'exploitation de l'émetteur.

Manufacturer	Model	Antenna Type	Max Gain (dBi)	Impedance (Ω)
Mag. Layers Scientific-Technics Co., LTD	EDA-1410-6G0R2-A3	Dipole	2400-2500MHz / 5.65dBi 5150-5850MHz / 5.94dBi	50 Ohm Nominal

The maximum antenna gain permitted for devices in the band 5725-5850 MHz shall be such that the equipment still complies with the e.i.r.p. limits specified for point-to-point and non-point-to-point operation as appropriate.

Le gain maximal d'antenne permis (pour les dispositifs utilisant la bande 5725-5850 MHz) doit se conformer à la limite de p.i.r.e. spécifiée pour l'exploitation point à point et non point à point, selon le cas.

The maximum antenna gain permitted for devices in the bands 5250-5350 MHz and 5470-5725 MHz shall comply with the e.i.r.p. limit; and

Le gain maximal d'antenne permis pour les dispositifs utilisant les bandes 5250-5350 MHz et 5470-5725 MHz doit se conformer à la limite de p.i.r.e.;

The worst-case tilt angle(s) necessary to remain compliant with the e.i.r.p. elevation mask requirement set forth in Section 6.2.2(3) shall be clearly indicated.

Les pires angles d'inclinaison nécessaires pour rester conforme à l'exigence de la p.i.r.e. applicable au masque d'élévation, et énoncée à la section 6.2.2 3), doivent être clairement indiqués.

**Caution:** The device for the band 5150-5250 MHz is only for indoor usage to reduce potential for harmful interference to co-channel mobile satellite systems.

**Attention:** Le dispositif de la bande 5150-5250 MHz est réservé à un usage intérieur afin de réduire l'interférence nuisible potentielle aux systèmes mobiles par satellite co-canal.

**Caution:** The maximum antenna gain permitted for devices in the bands 5250-5350 MHz and 5470-5725 MHz shall comply with the e.i.r.p. limit; and the maximum antenna gain permitted for devices in the band 5725-5825 MHz shall comply with the e.i.r.p. limits specified for point-to-point and non point-to-point operation as appropriate.

**Attention:** Le gain maximal d'antenne permis pour les dispositifs utilisant les bandes 5250-5350 MHz et 5470-5725 MHz doit se conformer à la limite de p.i.r.e.; le gain maximal d'antenne permis (pour les dispositifs utilisant la bande 5725-5825 MHz) doit se conformer à la limite de p.i.r.e. spécifiée pour l'exploitation point à point et non point à point, selon le cas.

This device has been designed to operate with an antenna having a maximum gain of 5.65 dBi for 2.4GHz, 5.94 dBi for 5GHz and 5.50 dBi for 6GHz. Antenna having a higher gain is strictly prohibited per regulations of ISED. The required antenna impedance is 50 ohms.

Under ISED regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by ISED. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Ce dispositif a été conçu pour fonctionner avec une antenne ayant un gain maximal de 5.65 dBi pour 2.4GHz, 5.94 dBi pour 5GHz et 5.50 dBi pour 6GHz. Une antenne ayant un gain supérieur sont strictement interdites par la réglementation d'ISED. L'impédance d'antenne requise est de 50 ohms.

Conformément à la réglementation d'ISED, cet émetteur radio peut fonctionner seulement avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par ISED. Dans le but de réduire les risques de brouillage radioélectrique aux autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication réussie.

This radio transmitter [IC: 7280B-3918T05646] has been approved by ISED to operate with the antenna types listed below with the maximum permissible gain and required antenna impedance for each antenna type indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

Le présent émetteur radio [IC: 7280B-3918T05646] a été approuvé par ISED pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal et l'impédance requise pour chaque type d'antenne. Les types d'antenne non inclus dans cette liste, ou dont le gain est supérieur au gain maximal indiqué, sont strictement interdits pour l'exploitation de l'émetteur.

This device and it's 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 antenne (s) ne doit pas être co-localisés ou fonctionnement en association avec une autre antenne ou transmetteur.

Devices shall not be used for control of or communications with unmanned aircraft systems.

Operation shall be limited to indoor use only.  
Utilisation limitée à l'intérieur seulement.

Operation on oil platforms, cars, trains, boats and aircraft shall be prohibited except for on large aircraft flying above 10,000 ft. Utilisation interdite à bord de plateformes de forage pétrolier, de voitures, de trains, de bateaux et d'aéronefs, sauf à bord d'un gros aéronef volant à plus de 10 000 pieds d'altitude.

Les dispositifs ne doivent pas être utilisés pour commander des systèmes d'aéronef sans pilote ni pour communiquer avec de tels systèmes.

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Note : The EUT has eight internal antennas

Antenna	RF Chain	Brand	Model	Antenna Net Gain (dBi)	Frequency Range	
ANT0 (DB4)	Radio 1 2G CH0 Radio 2 5G CH0 Radio 2 5GL CH0	WNC	FortiAP-431G	1.41	2.4-2.4835 GHz	
				4.62	5.15-5.25 GHz	
				4.62	5.25-5.35 GHz	
				4.35	5.47-5.725 GHz	
				3.91	5.725-5.85 GHz	
ANT1 (DB3)	Radio 1 2G CH1 Radio 2 5G CH1 Radio 2 5GL CH1	WNC	FortiAP-431G	1.72	2.4-2.4835 GHz	
				3.38	5.15-5.25 GHz	
				3.61	5.25-5.35 GHz	
				3.72	5.47-5.725 GHz	
				3.72	5.725-5.85 GHz	
ANT2 (DB1)	Radio 1 2G CH2 Radio 2 5G CH2 Radio 2 5GL CH2	WNC	FortiAP-431G	1.54	2.4-2.4835 GHz	
				4.85	5.15-5.25 GHz	
				4.85	5.25-5.35 GHz	
				4.51	5.47-5.725 GHz	
				4.30	5.725-5.85 GHz	
ANT3 (DB2)	Radio 1 2G CH3 Radio 2 5G CH3 Radio 2 5GL CH3	WNC	FortiAP-431G	2.38	2.4-2.4835 GHz	
				3.48	5.15-5.25 GHz	
				3.52	5.25-5.35 GHz	
				3.58	5.47-5.725 GHz	
				3.55	5.725-5.85 GHz	
ANT4 (TB4)	Radio 3 5GH CH0 Radio 3 6G CH0 Radio 3 Scanning 2G/5G/6G CH0 (Receiver only)	WNC	FortiAP-431G	3.50	2.4-2.4835 GHz	
				4.98	5.15-5.25 GHz	
				4.98	5.25-5.35 GHz	
				4.98	5.47-5.725 GHz	
				4.50	5.725-5.85 GHz	
				4.80	5.925-6.425 GHz	
				4.80	6.425-6.525 GHz	
				5.50	6.525-6.875 GHz	
				5.50	6.875-7.125 GHz	
				4.76	5.47-5.725 GHz	
ANT5 (TB1)	Radio 3 5GH CH1 Radio 3 6G CH1	WNC	FortiAP-431G	4.38	5.47-5.725 GHz	
				4.32	5.925-6.425 GHz	
				4.32	6.425-6.525 GHz	
				4.84	6.525-6.875 GHz	
				4.84	6.875-7.125 GHz	
ANT6 (TB2)	Radio 3 5GH CH2 Radio 3 6G CH2 Radio 3 Scanning 2G/5G/6G CH1 (Receiver only)	WNC	FortiAP-431G	2.85	2.4-2.4835 GHz	
				4.47	5.15-5.25 GHz	
				4.81	5.25-5.35 GHz	
				5.30	5.47-5.725 GHz	
				5.30	5.725-5.85 GHz	
				4.60	5.925-6.425 GHz	
				4.60	6.425-6.525 GHz	
				5.20	6.525-6.875 GHz	
				5.20	6.875-7.125 GHz	
				5.09	5.47-5.725 GHz	
ANT7 (TB3)	Radio 3 5GH CH3 Radio 3 6G CH3	WNC	FortiAP-431G	5.09	5.725-5.85 GHz	
				4.20	5.925-6.425 GHz	
				3.94	6.425-6.525 GHz	
				4.50	6.525-6.875 GHz	
				4.50	6.875-7.125 GHz	
ANT8	Radio 4 BLE/Zigbee	WNC	FortiAP-431G	Antenna Type	Connector	Gain (dBi)
				PIFA	IPEX(MHF)	3.8

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Note : The EUT has eight external antennas.

Antenna	RF Chain	Brand	Model	Antenna Net Gain (dBi)	Frequency Range	
ANT0	Radio 1 2G CH0 Radio 2 5G CH0 Radio 2 5GL CH0	MAGLAYERS	EDA-1410-6-G0R2-A3	5.65	2.4-2.4835 GHz	
				5.31	5.15-5.25 GHz	
				5.37	5.25-5.35 GHz	
				5.94	5.47-5.725 GHz	
				5.45	5.725-5.85 GHz	
ANT1	Radio 1 2G CH1 Radio 2 5G CH1 Radio 2 5GL CH1	MAGLAYERS	EDA-1410-6-G0R2-A3	5.65	2.4-2.4835 GHz	
				5.31	5.15-5.25 GHz	
				5.37	5.25-5.35 GHz	
				5.94	5.47-5.725 GHz	
				5.45	5.725-5.85 GHz	
ANT2	Radio 1 2G CH2 Radio 2 5G CH2 Radio 2 5GL CH2	MAGLAYERS	EDA-1410-6-G0R2-A3	5.65	2.4-2.4835 GHz	
				5.31	5.15-5.25 GHz	
				5.37	5.25-5.35 GHz	
				5.94	5.47-5.725 GHz	
				5.45	5.725-5.85 GHz	
ANT3	Radio 1 2G CH3 Radio 2 5G CH3 Radio 2 5GL CH3	MAGLAYERS	EDA-1410-6-G0R2-A3	5.65	2.4-2.4835 GHz	
				5.31	5.15-5.25 GHz	
				5.37	5.25-5.35 GHz	
				5.94	5.47-5.725 GHz	
				5.45	5.725-5.85 GHz	
ANT4	Radio 3 5GH CH0 Radio 3 6G CH0 2G/5G/6G CH0 (Receiver only)	MAGLAYERS	BTEAWT14136GOC1A02	3.11	2.4-2.4835 GHz	
				2.27	5.15-5.25 GHz	
				2.27	5.25-5.35 GHz	
				2.81	5.47-5.725 GHz	
				2.81	5.725-5.85 GHz	
				2.55	5.925-6.425 GHz	
				2.55	6.425-6.525 GHz	
				2.74	6.525-6.875 GHz	
				2.74	6.875-7.125 GHz	
				2.81	5.47-5.85 GHz	
ANT5	Radio 3 5GH CH1 Radio 3 6G CH1	MAGLAYERS	BTEAWT14136GOC1A02	2.81	5.725-5.725 GHz	
				2.55	5.925-6.425 GHz	
				2.55	6.425-6.525 GHz	
				2.74	6.525-6.875 GHz	
				2.74	6.875-7.125 GHz	
ANT6	Radio 3 5GH CH2 Radio 3 6G CH2 2G/5G/6G CH1 (Receiver only)	MAGLAYERS	BTEAWT14136GOC1A01	2.81	2.4-2.4835 GHz	
				2.39	5.15-5.25 GHz	
				2.39	5.25-5.35 GHz	
				2.39	5.47-5.725 GHz	
				2.39	5.725-5.85 GHz	
				2.71	5.925-6.425 GHz	
				2.71	6.425-6.525 GHz	
				2.61	6.525-6.875GHz	
				2.61	6.875-7.125 GHz	
				2.39	5.47-5.85 GHz	
ANT7	Radio 3 5GH CH3 Radio 3 6G CH3	MAGLAYERS	BTEAWT14136GOC1A01	2.39	5.725-5.725 GHz	
				2.71	5.925-6.425 GHz	
				2.71	6.425-6.525 GHz	
				2.61	6.525-6.875 GHz	
				2.61	6.875-7.125 GHz	
ANT8	Radio 4 BLE/Zigbee	WNC	FortiAP-433G	Antenna Type	Connector	Gain (dBi)
				PIFA	IPEX(MHF)	3.8



## 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 & 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 gaminys atitinka direktyvą 2014/53/ES.

**Malti**  
Dan il-prodott huwa konformi ma' 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 5350 MHz 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 3.1(a) , 3.1(b) , 3.2of 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:

Frequency Range (MHz)	Max. Transmit Power (dBm)
Bluetooth: 2402-2480MHz	10
Zigbee: 2405-2480MHz	10
WLAN 2.4GHz: 2412-2472MHz	20
WLAN 5GHz: 5180-5320MHz	23
WLAN 5GHz: 5500-5700MHz	30
WLAN 6GHz: 5725-5875MHz	13.5
WLAN 6GHz: 5955-6415MHz	23

## UK Conformity Assessed (UKCA) – United Kingdom

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

Frequency Range (MHz)	Max. Transmit Power (dBm)
Bluetooth: 2402-2480MHz	10
Zigbee: 2405-2480MHz	10
WLAN 2.4GHz: 2412-2472MHz	20
WLAN 5GHz: 5180-5320MHz	23
WLAN 5GHz: 5500-5700MHz	30
WLAN 6GHz: 5725-5875MHz	13.5
WLAN 6GHz: 5955-6415MHz	23

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**

Operations in the 5.15-5.35GHz band are restricted to indoor usage only

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

取得審驗證明之低功率射頻器材，非經核准，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。低功率射頻器材之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。前述合法通信，指依電信管理法規定作業之無線電通信。低功率射頻器材須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。  
1. 使用此產品時應避免影響附近雷達系統之操作。  
2. 高增益指向性天線只得應用於固定式點對點系統。

本器材限用天線請見本手冊第14頁 (FAP-431G) 及第15頁 (FAP-433G)。



