

FORTINET

快速入門指南

FortiAP 231K

FAP-231K



要 點

保護您的網路

在 <https://support.fortinet.com> 註冊以取得最新的威脅防護更新

預設登入

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

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

Fortinet 文件庫

如需入門文件管理指南、最新硬體手冊和參考資源，請造訪
<https://docs.fortinet.com/>

FortiEdge Cloud

體驗簡化的雲端配置、零接觸部署、配置管理和報告，網址為
<https://fortiedge.forticloud.com>

包裝內容

FortiAP 231K
FAP-231K



QuickStart Guide



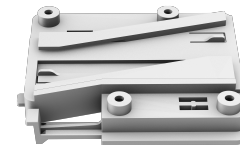
FortiAP Device



8x Mounting Screws
Screw type: PA3.5X32/ C3UC



8x Anchors
Anchor type: 13×41L

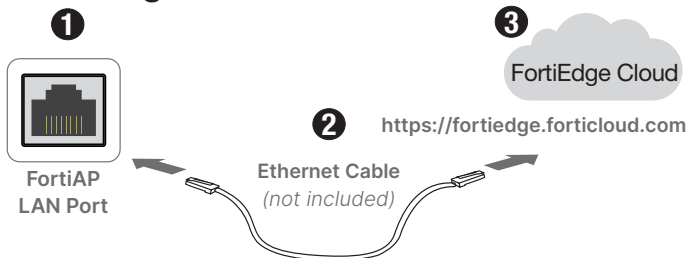


1x Mounting Bracket

設定選項

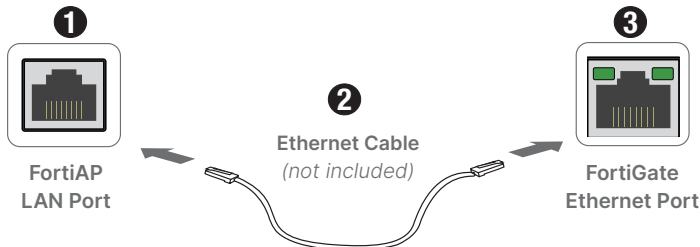
使用 PoE 供電器、FortiGate 或 FortiSwitch PoE 連接埠或選用（不含）電源轉接器為 FortiAP 設備供電。

FortiEdge Cloud



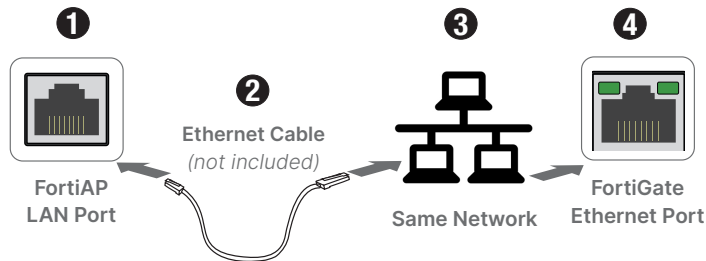
備註：使用您的 FortiCloud 憑證登錄，然後按一下 "Inventory" "Import AP Key" 並輸入裝置貼圖上的雲端金鑰

Direct Connection



備註：要進行自我配置，請在 FortiGate 上預授權 FortiAP，否則一旦連接，請等待 FortiAP 出現在 FortiOS 中的託管 FortiAP 頁面上。

Network Connection

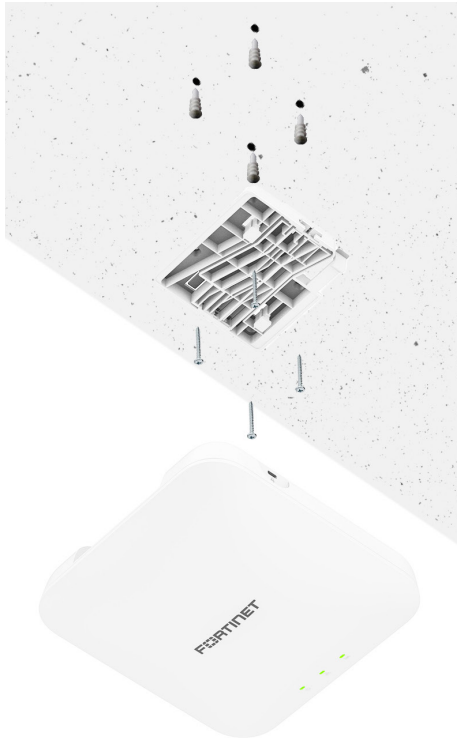


備註：使用 192.168.1.2 以用戶名 admin 連接到 FortiAP 並設置密碼。使用以下命令指定 FortiGate IP：

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

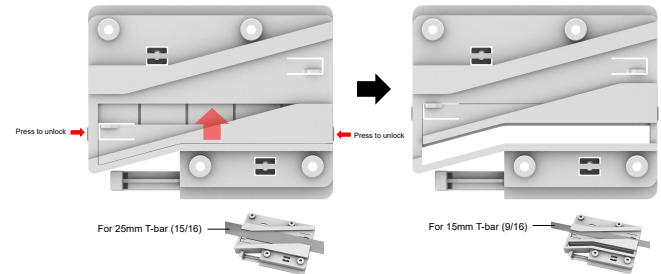
其中 0.0.0.0 是 FortiGate IP。

天花板安裝

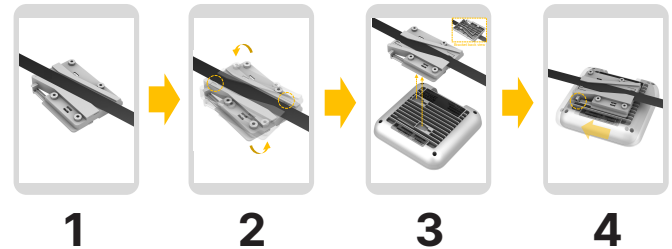


天花板支架安裝

根據T型桿寬度，按下側邊按鈕並調整滑桿位置以適應所需的T型桿寬度。

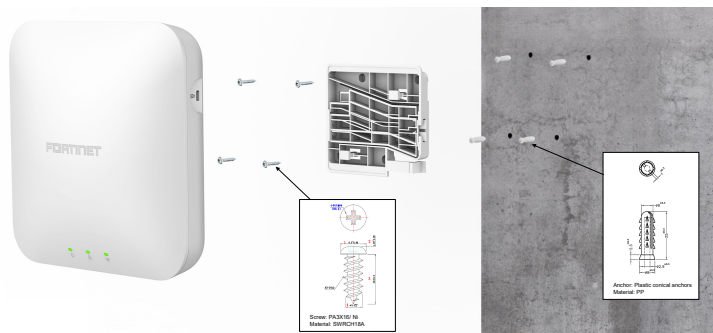


天花板安裝

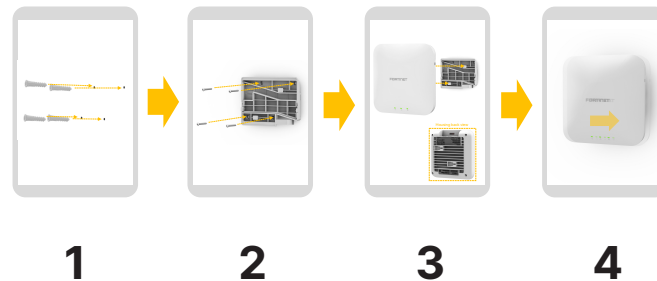


1. 將T型桿插入支架軌道。
2. 逆時針旋轉以將支架固定在T型桿上。
3. 將外殼安裝結構與支架鎖對齊。
4. 滑動外殼直到其鎖定到位。

壁掛式

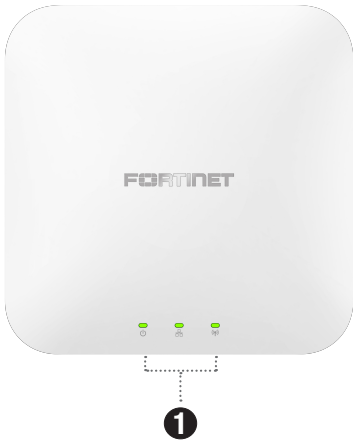


壁掛安裝






1. 鑽孔並將錨釘敲入孔中。
2. 使用提供的螺絲固定安裝支架。
3. 將外殼安裝結構與支架鎖對齊。
4. 滑動外殼直到其鎖定到位。

FAP 231K 介面






1 LED STATUS




Power

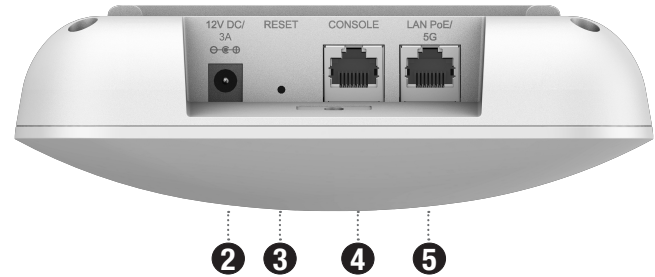
-  **Off:** Device is off
-  **Green:** Device is on; connected to a controller
-  **Amber:** Device is on; not connected to a controller

LAN

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

Wi-Fi

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



- 2** **OPTIONAL POWER (12V DC)** Optional 12V DC 3A adapter SP-FAP200-PA-XX
- 3** **RESET** system reset
- 4** **CONSOLE (RJ-45)** CLI management
- 5** **LAN/ 5G (RJ-45)** 5 Gbps Ethernet interface

Cautions and Warnings

Environmental specifications

Ambient operating temperature: 0°C to 50°C

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.

CAUTION: Shock Hazard. Disconnect all power sources.

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

This product is intended to be supplied by a Listed Direct Plug-In Power Unit marked LPS or Class 2 and rated 12Vdc, 3 A or by 55 Vdc from PoE source. Le produit doit être alimenté par un bloc d'alimentation à courant continu homologué UL de 12Vdc, 3A 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 53 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 15C, Section 15.247 of the FCC Rules.

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

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 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.

For indoor use only.
Pour une utilisation en intérieur uniquement.

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 plateformes 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.

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 32 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 32 cm de distance entre la source de rayonnement et votre corps.

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.

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 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 antenne (s) ne doit pas être co-localisés ou fonctionner en association avec une autre antenne ou transmetteur.

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

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.

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/ЕО.

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/UE.

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/UE.

Latviski
Šis produkts atbilst Direktīvai 2014/53/ES.

Lietuvių
Šis gaminyš 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/UE.

Norsk
Dette produktet er i samsvar med direktiv 2014/53/UE.

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 in conformitate cu Directiva 2014/53/UE.

Slovensky
Tento produkt je v súlade so smernicou 2014/53/ EU.

Slovensko
Ta izdelek je v skladu z Direktivo 2014/53/UE.

Suomi
Tämä tuote on direktiivin 2014/53/EU mukainen.

Svenska
Denna produkt överensstämmer med direktiv 2014/53/UE.

Note: The full Declaration of Conformity for this product is available in the link below:
<https://site.fortinet.com/ProductRegulatory/UK>

The device is restricted to indoor use only when operating in the 5150 to 5350 MHz and 5945MHz-6425MHz frequency range in the following countries:

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	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)
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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:

Frequency Range (MHz)	Max. Transmit Power (dBm)
Bluetooth: 2402-2480MHz	20
Zigbee: 2405-2480MHz	20
WLAN 2.4GHz: 2412-2472MHz	20
WLAN 5GHz: 5180-5320MHz	23
WLAN 5GHz: 5500-5700MHz	30
WLAN 5GHz: 5725-5875MHz	13.98
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:
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 13.98dBm
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.

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>

The device is restricted to indoor use only when operating in the 5150-5350 MHz and 5925 MHz-6425 MHz frequency ranges in the following countries:

	UK (NI)
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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>

警告： 為避免電磁干擾，本產品不應安裝或使用於住宅環境。

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。
勿將任何液體灑入設備中，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

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。低功率射頻器材須符合含合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

本器材須經專業工程人員安裝及設定，始得設置使用，且不得直接販售給一般消費者。

無線資訊傳輸設備避免影響附近雷達系統之操作。

Agência Nacional de Telecomunicações (ANATEL) – Brazil

Resolução 680 – ATO 14448
Este equipamento não tem direito à proteção contra interferência prejudicial e não pode causar interferência em sistemas devidamente autorizados. Para maiores informações, consulte o site da ANATEL – www.gov.br/anatel.

CISPR22
Este produto não é apropriado para uso em ambientes domésticos, pois poderá causar interferências eletromagnéticas que obrigam o usuário a tomar medidas necessárias para minimizar estas interferências.

Voluntary Control Council for Interference (VCCI) – Japan

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November 14, 2025

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FAP-231K-QSG-20251114

