

# QuickStart Guide

FortiAP 431F / 433F

# Before you begin

Register your device to access FortiGuard updates, cloud management, firmware upgrades, technical support and warranty coverage.

<https://support.fortinet.com>



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


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# The Essentials

## Default Logins

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

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

## Fortinet Documents Library

For a detailed Administration Guide, up-to-date Hardware documentation and Reference Manuals, visit <https://docs.fortinet.com/>

## Customer Service

For contracts, licensing, product registration and account management, contact FortiCare Support at <https://www.fortinet.com/support/contact>

## Technical Support

To access our Resource Center, Professional Services and Technical Support Services, visit <https://www.fortinet.com/support>

Thank you for choosing Fortinet

# Contents

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



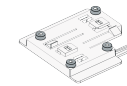
QuickStart Guide



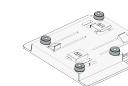
FortiAP Device\*



FortiAP  
Antenna Device\*\*



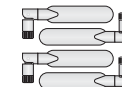
9/16" Ceiling  
Mounting Bracket



15/16" Ceiling  
Mounting Bracket



8x Mounting Screws  
with 8x Anchors

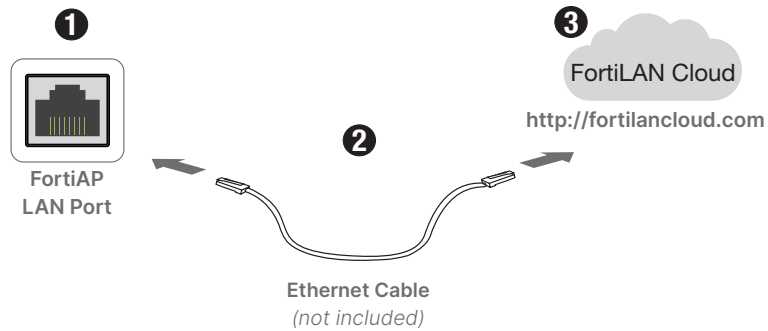


5x Antennas\*\*  
(2.4/5.0GHz)

# Setup Options

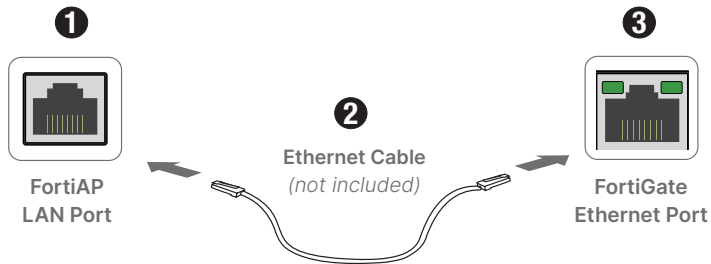
Power the FortiAP device with a 802.3 af/at PoE injector, FortiGate PoE port or the optional (not included) 12V 2.5A power adapter.

## FortiLAN Cloud



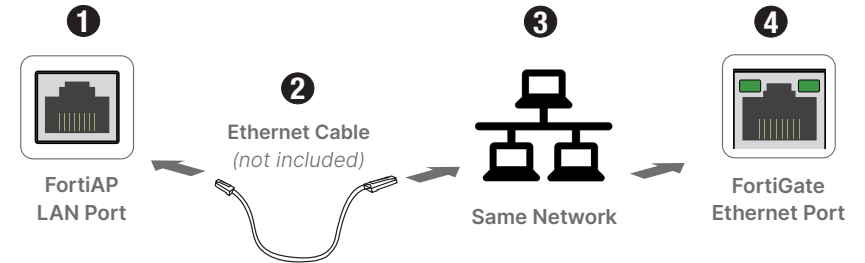
**Note:** Use your FortiCloud credentials to log in, then click Inventory, Import AP Key and enter the Cloud Key on the device sticker

## 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:

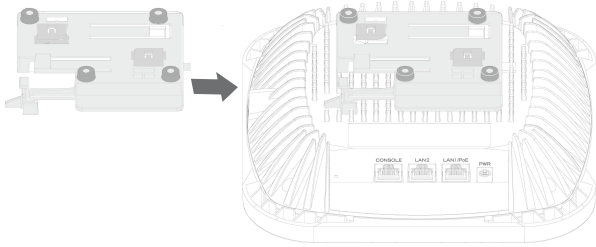
```
cfg -a AC_IPADDR=0.0.0.0  
cfg -c
```

where 0.0.0.0 is the FortiGate IP.

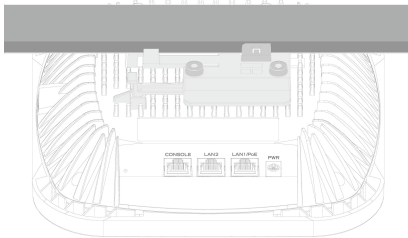
## Bracket Installation

The FortiAP mounts on a ceiling using the provided T-rail mounting brackets which come in two standard sizes: 1.43cm (9/16in) and 2.38cm (15/16in).

1. Select the bracket for the T-rail size: 1.43cm (9/16in) or 2.38cm (15/16in)
2. With the ports facing you, slide the bracket left to right

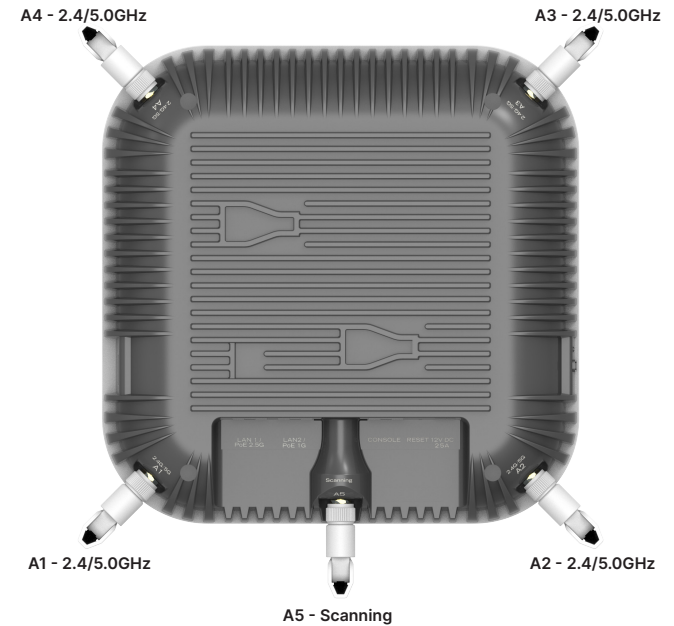


3. Hold the device against the ceiling T-rail and push until it snaps into place



## Antenna Installation (FAP-433F only)

1. Insert the antenna base firmly into the appropriate antenna mount
2. Securely hand tighten the antenna fastening collar
3. Repeat for the remaining antennas



**Note:** Antennas A1 to A4 radiate Radio1/Radio2 at 2.4/5.0GHz and Antenna A5 scans at 2.4/5.0GHz.

# Interfaces - FAP 431F/433F



## 1 LED STATUS

POWER PoE 802.3at or 12VDC 2.5A

- Green: Device is on
- Flashing Green: Booting up
- Amber: Reserved for customizations
- Off: Device is off

LAN1 (RJ45) 2.5 Gbps 802.3at PoE

- Green: Link established
- Flashing Green: Transmitting at 2.5 Gbps
- Flashing Amber: Transmitting at 1 Gbps/100Mbps
- Off: Link not established

LAN2 (RJ45) 1 Gbps 802.3at PoE

- Green: Link established
- Flashing Green: Transmitting at 1 Gbps
- Flashing Amber: Transmitting at 100Mbps
- Off: Link not established

LAN2 (RJ45) 1 Gbps 802.3at PoE

- Green: Link established
- Flashing Green: Transmitting at 1 Gbps
- Flashing Amber: Transmitting at 100Mbps
- Off: Link not established

WiFi (5GHz/2.4GHz) Radio 1 & 2

- Blue: Radio 1 is on
- Flashing Blue: Radio 1 transmitting
- Amber: Radio 2 is on
- Flashing Amber: Radio 2 transmitting
- Green: Radio 1 & 2 are on
- Flashing Green: Radio 1 & 2 transmitting
- Off: Radio 1 & 2 are off

WiFi & BLE (6GHz/5GHz/2.4GHz) Radio 3

- Blue: BLE is on
- Flashing Blue: BLE transmitting
- Amber: Radio 3 is on
- Flashing Amber: Radio 3 transmitting
- Green: BLE & Radio 3 are on
- Flashing Green: BLE & Radio 3 transmitting
- Off: Radio 3 is off

2 LAN2 / POE 1G (RJ-45) 1 Gbps 802.3at PoE Ethernet interface

3 LAN1 / POE 2.5G (RJ-45) 2.5 Gbps 802.3at PoE Ethernet interface

4 CONSOLE (RJ-45) CLI management

5 RESET system reset

6 OPTIONAL POWER (12V DC) Optional 12V DC 2.5A adapter



## 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 (BT/BLE)  
2405-2480MHz less than 20dBm (Zigbee)  
2412-2472MHz less than 20dBm  
5180-5240MHz less than 23dBm \*  
5260-5320MHz less than 23dBm \*  
5500-5700MHz less than 30dBm \*

Note: \* Only with DFS bands certification.

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

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 frequency range in the following countries:





