



# Wi-Fi CERTIFIED™ Certificate



This certificate lists the features that have successfully completed Wi-Fi Alliance interoperability testing. Learn more: [www.wi-fi.org/certification/programs](http://www.wi-fi.org/certification/programs)

## Certification ID: WFA110009

### Product Info

<b>Date of Certification</b>	January 20, 2021
<b>Company</b>	Fortinet Inc.
<b>Product Name</b>	FortiAP 431F and FortiGate 800D Controller
<b>Product Model Variant</b>	FortiAP 431F and FortiGate 800D Controller
<b>Model Number</b>	FAP-431F and FG-800D Controller
<b>Category</b>	Routers
<b>Sub-category</b>	Enterprise/Service Provider Access Point, Switch/Controller or Router

### Summary of Certifications

CLASSIFICATION	CERTIFICATION
<b>Connectivity</b>	2.4 GHz Spectrum Capabilities 5 GHz Spectrum Capabilities Wi-Fi CERTIFIED 6® Wi-Fi CERTIFIED™ a Wi-Fi CERTIFIED™ ac Wi-Fi CERTIFIED™ b Wi-Fi CERTIFIED™ g Wi-Fi CERTIFIED™ n Wi-Fi Enhanced Open™ 2020-02
<b>Optimization</b>	WMM® WMM®-Power Save Wi-Fi Agile Multiband™
<b>Security</b>	Protected Management Frames WPA2™-Enterprise 2018-04 WPA2™-Personal 2020-02 WPA3™-Enterprise 2020-02 WPA3™-Personal 2020-02
<b>Spectrum &amp; Regulatory Features</b>	Spectrum & Regulatory



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Role: Access Point

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## Wi-Fi Components

### Wi-Fi Component Operating System

FortiOS

### Wi-Fi Component Firmware

6.4

### RF Architecture

Bands Supported	Transmit (Tx)	Receive (Rx)
2.4 GHz	4	4
5 GHz	4	4

## Certifications

### 2.4 GHz Spectrum Capabilities

20 MHz Channel Width in 2.4 GHz  
40 MHz Channel Width in 2.4 GHz

### 5 GHz Spectrum Capabilities

20 MHz Channel Width in 5 GHz  
40 MHz Channel Width in 5 GHz  
80 MHz Channel Width in 5 GHz  
160 MHz Channel Width in 5 GHz

### Protected Management Frames

### Spectrum & Regulatory

802.11d  
802.11h

### WMM®

### WMM®-Power Save

Legacy Power Save

### WMM®-Power Save (continued)

Unschedule auto PS

### WPA2™-Enterprise 2018-04

EAP methods

### WPA2™-Personal 2020-02

### WPA3™-Enterprise 2020-02

EAP methods  
192-bit security  
Fast Transition OTA on WPA3-Enterprise  
Fast Transition OTA on WPA3-Enterprise transition mode  
Fast Transition OTDS on WPA3-Enterprise

### WPA3™-Personal 2020-02

Fast Transition OTA on WPA3-Personal  
Fast Transition OTA on WPA3-Personal transition mode  
Fast Transition OTDS on WPA3-Personal



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## Wi-Fi Agile Multiband™

Automatically populate BSS Transition candidate list  
Cellular Data aware  
Fast Transition OTA on WPA2-Enterprise  
Fast Transition OTA on WPA2-Personal

## Wi-Fi CERTIFIED 6®

4 antenna support  
A-MPDU with A-MSDU  
Basic Trigger frame in HE MU PPDU  
BSRP Trigger frame  
Compressed Block Ack Rx (buffer size 256)  
Compressed Block Ack Tx (buffer size 256)  
DL MU-MIMO  
DL OFDMA  
Individual Target Wake Time  
LDPC Rx  
LDPC Tx  
MCS 8-9 Rx  
MCS 8-9 Tx  
MCS 10-11 Rx  
MCS 10-11 Tx  
MU EDCA Parameter Set element  
MU-BAR Trigger frame  
MU-RTS Trigger frame  
Operating mode indication  
SU beamformer  
TXOP RTS Threshold  
UL OFDMA

## Wi-Fi CERTIFIED™ a

## Wi-Fi CERTIFIED™ ac

RTS with BW Signaling

## Wi-Fi CERTIFIED™ ac (continued)

Extended 5 GHz Channel Support  
A-MPDU with A-MSDU  
DL MU-MIMO  
LDPC Rx  
LDPC Tx  
MCS 8-9 Rx  
Short Guard Interval  
STBC  
SU beamformer

## Wi-Fi CERTIFIED™ b

## Wi-Fi CERTIFIED™ g

## Wi-Fi CERTIFIED™ n

OBSS on Extension Channel  
Short Guard Interval  
STBC  
A-MPDU Tx

## Wi-Fi Enhanced Open™ 2020-02