# 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

## Certification ID: WFA78503

### Product Info

| | |
|---|---|
| Date of Certification | July 10, 2018 |
| Company | Huawei Technologies Co., Ltd. |
| Product Name | Huawei R251D / Huawei Access Controller |
| Product Model Variant | 2018-07-10 (WFA78503 - 7347417) |
| Model Number | R251D |
| Category | Routers |
| Sub-category | Enterprise/Service Provider Access Point, Switch/Controller or Router |

### Summary of Certifications

| CLASSIFICATION | CERTIFICATION |
|---|---|
| Network management | WMM® <br> WMM®-Power Save |
| Security | Protected Management Frames <br> WPA2™-Enterprise 2018-04 <br> WPA2™-Personal 2018-04 |
| Wi-Fi (MAC/PHY) | 2.4 GHz Spectrum Capabilities <br> 5 GHz Spectrum Capabilities <br> Wi-Fi CERTIFIED™ a <br> Wi-Fi CERTIFIED™ ac <br> Wi-Fi CERTIFIED™ b <br> Wi-Fi CERTIFIED™ g <br> Wi-Fi CERTIFIED™ n |

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## Wi-Fi Components

### Wi-Fi Component Operating System

Linux

### Wi-Fi Component Firmware

Ver.B

### RF Architecture

| Bands Supported | Transmit (Tx) | Receive (Rx) |
|---|---|---|
| 2.4 GHz | 2 | 2 |
| 5 GHz | 2 | 2 |

## 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

### Protected Management Frames

### WMM®

### WMM®-Power Save

Legacy Power Save
Unschedule auto PS

### WPA2™-Enterprise 2018-04

EAP methods

### WPA2™-Personal 2018-04

### Wi-Fi CERTIFIED™ a

### Wi-Fi CERTIFIED™ ac

RTS with BW Signaling
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
RIFS
Short Guard Interval

### Wi-Fi CERTIFIED™ n (continued)

STBC

A-MPDU Tx