# 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: WFA76720

## Product Info

| | |
|---|---|
| **Date of Certification** | January 14, 2020 |
| **Company** | Qualcomm |
| **Product Name** | Snapdragon(tm) 835 based Linux Android System with 2 Steam 802.11ac Connectivity |
| **Product Model Variant** | 2020-01-14 (WFA76720 - 10311672) |
| **Model Number** | QC-DB-L00003_1 |
| **Category** | Other |
| **Sub-category** | Reference Design |

## Summary of Certifications

| CLASSIFICATION | CERTIFICATION |
|---|---|
| **Access** | Wi-Fi Easy Connect™ |
| **Connectivity** | 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<br>Wi-Fi Enhanced Open™ 2018-04 |
| **Optimization** | WMM® |
| **Security** | Protected Management Frames<br>WPA2™-Enterprise 2018-04<br>WPA2™-Personal 2018-04<br>WPA3™-Enterprise 2020-02<br>WPA3™-Personal 2019-08<br>WPA™-Enterprise<br>WPA™-Personal |

# Wi-Fi CERTIFIED™ Certificate

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## Wi-Fi Components

### Wi-Fi Component Operating System

Android, version:7.1

### Wi-Fi Component Firmware

1.0/drv..hapd.v2.10-devel-8.1.0.sigma.
framework-

### 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®

### WPA2™-Enterprise 2018-04

EAP methods
    EAP TLS
    EAP TTLS
    PEAPv0
    PEAPv1

### WPA2™-Personal 2018-04

### WPA3™-Enterprise 2020-02

EAP methods
    EAP TLS
    EAP TTLS
    PEAPv0
    PEAPv1
192-bit security
    192-bit security RSA 3K with the TLS_DHE_RSA_WITH_AES_256_GCM_SHA384 cipher suite
    192-bit security RSA 3K with the TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 cipher suite
Fast Transition OTA on WPA3-Enterprise
Fast Transition OTA on WPA3-Enterprise transition mode
Server Certificate Validation

### WPA3™-Personal 2019-08

### WPA™-Enterprise

### WPA™-Personal

### Wi-Fi CERTIFIED™ a

### Wi-Fi CERTIFIED™ ac

# Wi-Fi CERTIFIED™ Certificate

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### Wi-Fi CERTIFIED™ ac (continued)

Extended 5 GHz Channel Support

A-MPDU with A-MSDU

LDPC Rx

MCS 8-9 Rx

Short Guard Interval

LDPC Tx

SU beamformee

### Wi-Fi CERTIFIED™ b

### Wi-Fi CERTIFIED™ g

### Wi-Fi CERTIFIED™ n

A-MPDU Tx

OBSS on Extension Channel

Short Guard Interval

### Wi-Fi Easy Connect™

Bootstrapping methods

    QR code responder

    Public Key Exchange (PKEX)

### Wi-Fi Enhanced Open™ 2018-04

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## Certifications

### Wi-Fi Easy Connect™

Provisioning Configurator