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™
Network management	WMM®
Security	Protected Management Frames WPA2™-Enterprise 2018-04 WPA2™-Personal 2018-04 WPA3™-Enterprise 2020-02 WPA3™-Personal 2019-08 Wi-Fi Enhanced Open™ 2018-04
Wi-Fi (MAC/PHY)	2.4 GHz Spectrum Capabilities 5 GHz Spectrum Capabilities Wi-Fi CERTIFIED™ a Wi-Fi CERTIFIED™ ac Wi-Fi CERTIFIED™ b Wi-Fi CERTIFIED™ g Wi-Fi CERTIFIED™ n

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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

Wi-Fi CERTIFIED™ a

Wi-Fi CERTIFIED™ ac

Extended 5 GHz Channel Support
A-MPDU with A-MSDU
LDPC Rx
MCS 8-9 Rx

Wi-Fi CERTIFIED™ ac (continued)

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™

Wi-Fi Easy Connect bootstrapping methods

    QR code responder

    Public Key Exchange (PKEX)

Wi-Fi Enhanced Open™ 2018-04

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Wi-Fi Easy Connect™

Provisioning configurator