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: WFA61703

Product Info

Date of Certification	November 13, 2019
Company	Qualcomm
Product Name	Qualcomm Atheros QCA9377 Wireless Network Adapter
Product Model Variant	2019-11-13 (WFA61703 - 9910411)
Model Number	NFA435A
Category	Other
Sub-category	Reference Design

Summary of Certifications

CLASSIFICATION	CERTIFICATION
Access	Wi-Fi Protected Setup™
Applications & Services	Voice-Personal
Connectivity	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 Wi-Fi Direct®
Optimization	WMM® WMM®-Power Save
Security	Protected Management Frames WPA2™-Enterprise 2018-04 WPA2™-Personal 2018-04 WPA3™-Enterprise 2018-04 WPA3™-Personal 2019-08

CLASSIFICATION	CERTIFICATION
Spectrum & Regulatory Features	Spectrum & Regulatory

Wi-Fi CERTIFIED™ Certificate

Certification ID: WFA61703

Wi-Fi Components

Wi-Fi Component Operating System

Windows 10

Wi-Fi Component Firmware

Tufello_SW_2.1_x86_BIT_PKG_01.02.021

RF Architecture

Bands Supported	Transmit (Tx)	Receive (Rx)
2.4 GHz	1	1
5 GHz	1	1

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

Spectrum & Regulatory

802.11h

Voice-Personal

WMM®

WMM®-Power Save

Legacy Power Save

WMM®-Power Save (continued)

Unschedule auto PS

WPA2™-Enterprise 2018-04

EAP methods
    EAP TLS
    EAP TTLS
    PEAPv0

WPA2™-Personal 2018-04

WPA3™-Enterprise 2018-04

EAP methods
    EAP TLS
    EAP TTLS
    PEAPv0

WPA3™-Personal 2019-08

Wi-Fi CERTIFIED™ a

Wi-Fi CERTIFIED™ ac

Wi-Fi CERTIFIED™ Certificate

Certification ID: WFA61703

Wi-Fi CERTIFIED™ ac (continued)

Extended 5 GHz Channel Support

RTS with BW Signaling

A-MPDU with A-MSDU

DL MU-MIMO

LDPC Rx

MCS 8-9 Rx

Short Guard Interval

STBC

LDPC Tx

SU beamformee

Wi-Fi CERTIFIED™ b

Wi-Fi CERTIFIED™ g

Wi-Fi CERTIFIED™ n

STBC

A-MPDU Tx

OBSS on Extension Channel

Power Management

Short Guard Interval

Wi-Fi Direct®

Wi-Fi Protected Setup™

PIN

Pushbutton