

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: WFA77332

Product Info

Date of Certification April 16, 2018

Company Qualcomm

Product Name IPQ4019 802.11ac 3-radio Router

Product Model Variant 2018-04-16 (WFA77332 - 7135711)

Model Number CA-65-YA332-MAP

Category Other

Sub-category Reference Design

Summary of Certifications

CLASSIFICATION CERTIFICATION

Applications & Services Wi-Fi Location™ R1

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

Optimization WMM®

Security Protected Management Frames

WPA2™-Enterprise

WPA2™-Personal 2017-10

WPA™-Enterprise WPA™-Personal

Spectrum & Regulatory

Spectrum & Regulatory

Features



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Wi-Fi Components	
Wi-Fi Component Operating System	RF Architecture
Linux	Bands Supported Transmit (Tx) Receive (Rx
Wi-Fi Component Firmware	2.4 GHz 2 2
IPQ4019.ILQ.1.2.r3-00001-P-18	5 GHz 2 2
Certifications	
2.4 GHz Spectrum Capabilities	WPA2™-Personal 2017-10
20 MHz Channel Width in 2.4 GHz 40 MHz Channel Width in 2.4 GHz	WPA™-Enterprise
	WPA™-Personal
5 GHz Spectrum Capabilities	Wi-Fi CERTIFIED™ a
20 MHz Channel Width in 5 GHz 40 MHz Channel Width in 5 GHz 80 MHz Channel Width in 5 GHz	Wi-Fi CERTIFIED™ ac
	RTS with BW Signaling A-MPDU with A-MSDU
Protected Management Frames	DL MU-MIMO LDPC Rx
Spectrum & Regulatory	LDPC Tx
802.11d	MCS 8-9 Rx Short Guard Interval
802.11h	STBC
	SU beamformer
WMM®	Wi-Fi CERTIFIED™ b
WMM® WPA2™-Enterprise	Wi-Fi CERTIFIED™ b Wi-Fi CERTIFIED™ g

Wi-Fi CERTIFIED™ n



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Wi-Fi CERTIFIED™ n (continued)	
OBSS on Extension Channel	
RIFS	
Short Guard Interval	
STBC	
A-MPDU Tx	
Wi-Fi Location™ R1	
Fine Timing Measurement 2017	