



# 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](http://www.wi-fi.org/certification/programs)

## Certification ID: WFA63130

### Product Info

<b>Date of Certification</b>	April 15, 2019
<b>Company</b>	Qualcomm
<b>Product Name</b>	IPQ8065 802.11ac 4-stream Dual-band Dual-concurrent Router
<b>Product Model Variant</b>	2019-04-15 (WFA63130 - 8279174)
<b>Model Number</b>	CA-65-Y9345-PASSPT
<b>Category</b>	Other
<b>Sub-category</b>	Reference Design

### Summary of Certifications

CLASSIFICATION	CERTIFICATION
<b>Access</b>	Passpoint® Release 3 Wi-Fi Easy Connect™
<b>Connectivity</b>	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 Enhanced Open™ 2018-04
<b>Optimization</b>	WMM® Wi-Fi Agile Multiband™ Wi-Fi Optimized Connectivity™ 2018
<b>Security</b>	Protected Management Frames WPA2™-Enterprise 2018-04 WPA2™-Personal 2018-04 WPA3™-Enterprise 2018-04 WPA3™-Personal 2018-04 WPA™-Enterprise WPA™-Personal



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## Summary of Certifications (continued)

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### CLASSIFICATION

### CERTIFICATION

Spectrum & Regulatory  
Features

Spectrum & Regulatory



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Role: Access Point

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## Wi-Fi Components

### Wi-Fi Component Operating System

Linux

### Wi-Fi Component Firmware

IPQ8064.ILQ.6.1.1.r2-00006-P-1

### RF Architecture

Bands Supported	Transmit (Tx)	Receive (Rx)
2.4 GHz	3	3
5 GHz	3	4

## 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

### Passpoint® Release 3

Online Sign Up and Policy provisioning  
Online Sign Up using single SSID  
Roaming Consortium Selection  
Venue Information  
Terms and Conditions

### Protected Management Frames

### Spectrum & Regulatory

802.11d

### Spectrum & Regulatory (continued)

802.11h

### WMM®

### WPA2™-Enterprise 2018-04

EAP methods

### WPA2™-Personal 2018-04

### WPA3™-Enterprise 2018-04

EAP methods  
192-bit security

### WPA3™-Personal 2018-04

### WPA™-Enterprise

### WPA™-Personal

### Wi-Fi Agile Multiband™



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## Wi-Fi Agile Multiband™ (continued)

Cellular Data aware  
Fast Transition OTA on WPA2-Enterprise  
Fast Transition OTA on WPA2-Personal

## Wi-Fi CERTIFIED™ a

## Wi-Fi CERTIFIED™ ac

RTS with BW Signaling  
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  
Short Guard Interval  
STBC  
A-MPDU Tx

## Wi-Fi Easy Connect™

Bootstrapping methods  
QR code responder  
Public Key Exchange (PKEX)

## Wi-Fi Enhanced Open™ 2018-04

## Wi-Fi Optimized Connectivity™ 2018

Estimated Service Parameters  
FILS Indication Element support  
FILS Higher Layer Protocol with DHCP v4 Rapid Commit  
FILS Higher Layer Protocol with DHCP v4 Rapid Commit using an external DHCP server  
Reduced Neighbor Report included in FILS Discovery frames  
Reduced Neighbor Report includes all neighboring BSS  
Pushbutton