



## Wi-Fi CERTIFIED™ Interoperability 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: WFA82934**

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<b>Date of Last Certification</b>	August 29, 2019
<b>Company</b>	Qualcomm
<b>Product</b>	Qualcomm IPQ8074 Wi-Fi Networking Platform
<b>Model Number</b>	CA-65-YC633-HE
<b>Product Identifier(s)</b>	
<b>Category</b>	Other
<b>Subcategory</b>	Reference Design
<b>Hardware Version</b>	Product: IPQ8074, Wi-Fi Component: IPQ8074
<b>Firmware Version</b>	Product: IPQ8074.ILQ.10.0.6-00061-P-1, Wi-Fi Component: IPQ8074.ILQ.10.0.6-00061-P-1
<b>Operating System</b>	Proprietary / Other: Embedded Linux
<b>Frequency Band(s)</b>	2.4 GHz, 5 GHz - Concurrent

### Summary of Certifications

<b>CLASSIFICATION</b>	<b>PROGRAM</b>
Connectivity	Wi-Fi CERTIFIED 6™
	Wi-Fi CERTIFIED™ a, b, g, n, ac
	WPA™ – Enterprise, Personal
	WPA2™ – Enterprise, Personal
	WPA3™ – Enterprise, Personal
	Wi-Fi Enhanced Open™
Optimization	Wi-Fi Agile Multiband™
	WMM®



**Security**

WPA™ – Enterprise, Personal  
WPA2™ – Enterprise, Personal  
WPA3™ – Enterprise, Personal  
EAP Type(s)  
Any EAP Type  
192-bit Security  
Protected Management Frames

**Wi-Fi CERTIFIED™ a**

**Wi-Fi CERTIFIED™ b**

**Wi-Fi CERTIFIED™ g**

**Wi-Fi CERTIFIED™ n**

2.4 GHz, 5 GHz - Concurrent  
3 Spatial Streams 2.4 GHz  
3 Spatial Streams 5 GHz  
Short Guard Interval  
TX A-MPDU  
STBC Transmit  
40 MHz operation in 2.4 GHz, with coexistence mechanisms  
40 MHz operation in 5 GHz

**Wi-Fi CERTIFIED™ ac**

4 Spatial Streams 5 GHz  
Rx MCS 8-9 (256-QAM)  
Tx STBC 2x1  
Rx A-MPDU of A-MSDU  
Tx SU beamformer  
Low Density Parity Check coding  
Tx DL MU-MIMO  
RTS with BW Signaling  
Rx 160 MHz operations  
Extended 5 GHz Channel Support

**Wi-Fi CERTIFIED 6™**

4 Spatial Streams 2.4 GHz Rx  
8 Spatial Streams 5 GHz Rx  
Maximum Supported Channel Width (20, 40, 80, 160 MHz)  
DL MU-MIMO  
8 Spatial Stream sounding  
DL SU Beamforming  
DL OFDMA  
UL OFDMA  
Target Wake Time (TWT)  
MCS 8-9 Rx  
MCS 10-11 Rx  
MU-BAR trigger frame

**Wi-Fi CERTIFIED 6™ (continued)**

MU-RTS /CTS trigger frame  
DL MU-PPDU with basic trigger frame  
Buffer Status Report (BSRP) trigger frame  
256 Block Acknowledge (BA) Rx  
256 Block Acknowledge (BA) Tx  
MU EDCA Parameter set  
Multiple-BSSID Set  
Low Density Parity Check (LDPC) coding  
Operating Mode Rx

**Wi-Fi Enhanced Open™**

ECC Group 20

**Wi-Fi Agile Multiband™**

Steer to Cellular Data  
Fast Transition: WPA2-Enterprise and WPA2-Personal

**WMM®**

**Spectrum and Regulatory Features**

802.11d  
802.11h