



This certificate lists the features that have successfully completed Wi-Fi Alliance interoperability testing. Learn more: www.wi-fi.org/certification/programs

# **Certification ID: WFA133633**

### **Product Info**

**Date of Certification** January 23, 2025

Company Cisco Systems

Product Name Cisco Wireless CW9172I with Meraki

Product Model Variant Cisco Wireless CW9172I with Meraki, R31

Model Number Cisco Wireless CW91721

**Category** Routers

**Sub-category** Enterprise/Service Provider Access Point, Switch/Controller or Router

### **Summary of Certifications**

CLASSIFICATION CERTIFICATION

Network management WMM®

WMM®-Power Save Wi-Fi Agile Multiband™

Security Protected Management Frames

WPA2<sup>™</sup>-Enterprise 2018-04 WPA2<sup>™</sup>-Personal 2021-01 WPA3<sup>™</sup>-Enterprise 2022-12 WPA3<sup>™</sup>-Personal 2024-10 Wi-Fi Enhanced Open<sup>™</sup> 2023-12

Wi-Fi (MAC/PHY) 2.4 GHz Spectrum Capabilities

5 GHz Spectrum Capabilities 6 GHz Spectrum Capabilities Spectrum & Regulatory

Wi-Fi CERTIFIED 6® Release 2

Wi-Fi CERTIFIED 7™
Wi-Fi CERTIFIED™ a
Wi-Fi CERTIFIED™ b
Wi-Fi CERTIFIED™ g
Wi-Fi CERTIFIED™ n



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Role: Access Point  Wi-Fi Components  Wi-Fi Component Operating System R31  Wi-Fi Component Firmware R31  Wi-Fi Component Firmware R31  Early 2 2 2  5 GHz 2 2 2  6 GHz 2 2 2  6 GHz 2 2 2  Certifications  2.4 GHz Spectrum Capabilities  20 MHz Channel Width in 2.4 GHz  802.11d 802.11h  5 GHz Spectrum Capabilities  WMM®  WMM®  WMM®  WMM®  WMM®  WMM®  WMM®  Fower Save  Legacy Power Save  Legacy Power Save  Unschedule auto PS  Standard power operation 20 MHz Channel Width in 6 GHz 40 MHz Channel Width in 6 GHz 20 MHz Channel Width in 6 GHz 300 MHz Channel Width in 6 GHz 40 MHz Channel Width in 6 GHz 300 MHz Channel Width in 6 GHz 40 MHz Channel Width in 6 GHz 300 MHz Channel Width in 6 GHz 300 MHz Channel Width in 6 GHz 320 MHz Channel Width in 6 GHz 40 MHz Channel Width in					
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R31  Wi-Fi Component Firmware R31  2.4 GHz 2 2 5 GHz 2 2 6 GHz 2 2 6 GHz 2 2 7 6 GHz 3 2 7 6 GHz 4 3 2 7 7 6 GHz 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Wi-Fi Components				
Wi-Fi Component Firmware R31  2.4 GHz	Wi-Fi Component Operating System	RF Architecture			
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Fast Transition OTA on WPA3-Enterprise	Spectrum & Regulatory		192-bit security Fast Transition OTA on WPA3-Enterprise		



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#### WPA3™-Enterprise 2022-12 (continued)

Fast Transition OTA on WPA3-Enterprise transition mode

#### WPA3™-Personal 2024-10

AKM 24

AKM 25

Fast Transition OTA on WPA3-Personal

Fast Transition OTA on WPA3-Personal transition mode

**Beacon Protection** 

#### Wi-Fi Agile Multiband™

Fast Transition OTA on WPA2-Enterprise Fast Transition OTA on WPA2-Personal

#### Wi-Fi CERTIFIED 6® Release 2

A-MPDU with A-MSDU

Beamforming sounding

BSRP Trigger frame

Compressed Block Ack Rx (buffer size 256)

Compressed Block Ack Tx (buffer size 256)

DL OFDMA

Individual Target Wake Time

LDPC Rx

LDPC Tx

MCS 8-9 Rx

MCS 8-9 Tx

MCS 10-11 Rx

MCS 10-11 Tx

MU EDCA Parameter Set element

MU-BAR Trigger frame

MU-RTS Trigger frame

Operating mode subfield in A-Control field

#### Wi-Fi CERTIFIED 6® Release 2 (continued)

Operating mode indication

Operating mode UL MU Rx

SU beamformer

SU-MIMO

**UL OFDMA** 

Wi-Fi 6E

Co-located BSS

Multiple M-BSSID

Wi-Fi 6 Release 2 features

**UL MU Control** 

**UL Extended Range** 

Target Wake Time information frames

Extended sleep

Dynamic MU SMPS

#### Wi-Fi CERTIFIED 7™

A-MPDU with A-MSDU

Beamforming sounding

**BSRP** Trigger frame

BSS critical update

Compressed Block Ack Rx (buffer size 256)

Compressed Block Ack Tx (buffer size 256)

Compressed Block Ack Rx (buffer size 512)

Compressed Block Ack Tx (buffer size 512)

DL OFDMA

Dynamic MU SMPS

EMLSR (Enhanced Multilink Single-Radio)

LDPC Rx

LDPC Tx

MCS 8-9 Rx

MCS 8-9 Tx

MCS 10-11 Rx

MCS 10-11 Tx

MCS 12-13 Tx



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Wi-Fi Enhanced Open™ 2023-12



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## Wi-Fi CERTIFIED 7™ (continued)

Multi-RU

MU-RTS Trigger frame

Operating mode indication

Operating mode indication for 320 MHz

Static puncturing

STR (Simultaneous Transmit and Receive)

SU-MIMO

Triggered uplink access optimization

UL OFDMA

#### Wi-Fi CERTIFIED™ a

### Wi-Fi CERTIFIED™ ac

A-MPDU with A-MSDU

Extended 5 GHz Channel Support

LDPC Rx

LDPC Tx

MCS 8-9 Rx

RTS with BW Signaling

Short Guard Interval

**STBC** 

SU beamformer

#### Wi-Fi CERTIFIED™ b

### Wi-Fi CERTIFIED™ g

#### Wi-Fi CERTIFIED™ n

A-MPDU Tx

**OBSS on Extension Channel** 

Short Guard Interval

STBC