



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: WFA72706

Product Info

| | |
|------------------------------|---|
| Date of Certification | March 21, 2018 |
| Company | Cisco Systems |
| Product Name | Cisco 8540 WLAN Controller and Cisco AP1800i AP |
| Product Model Variant | 2018-03-21 (WFA72706 - 7043119) |
| Model Number | AIR-CT8540-K9 and AIR-AP1800i |
| Category | Routers |
| Sub-category | Enterprise/Service Provider Access Point, Switch/Controller or Router |

Summary of Certifications

| CLASSIFICATION | CERTIFICATION |
|---|---|
| Access | Passpoint® Release 2 |
| 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® WMM®-Power Save Wi-Fi Vantage™ Release 1 |
| Security | Protected Management Frames WPA2™-Enterprise WPA2™-Personal 2017-10 |
| Spectrum & Regulatory Features | Spectrum & Regulatory |

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Role: Access Point

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Wi-Fi Components

Wi-Fi Component Operating System

Proprietary / Other, version:8.5.124.30,
description:AireOS (controller) + Linux (AP)

Wi-Fi Component Firmware

8.5.124.30

RF Architecture

| Bands Supported | Transmit (Tx) | Receive (Rx) |
|-----------------|---------------|--------------|
| 2.4 GHz | 2 | 2 |
| 5 GHz | 2 | 2 |

Certifications

2.4 GHz Spectrum Capabilities

20 MHz Channel Width in 2.4 GHz
40 MHz Channel Width in 2.4 GHz

WMM®-Power Save

Legacy Power Save
Unschedule auto PS

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

WPA2™-Enterprise

EAP methods

Passpoint® Release 2

Online Sign Up and Policy provisioning

WPA2™-Personal 2017-10

Wi-Fi CERTIFIED™ a

Protected Management Frames

Spectrum & Regulatory

802.11d
802.11h

Wi-Fi CERTIFIED™ ac

A-MPDU with A-MSDU
DL MU-MIMO
LDPC Rx
LDPC Tx
MCS 8-9 Rx
Short Guard Interval
STBC
SU beamformer

WMM®

Wi-Fi CERTIFIED™ b

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Wi-Fi CERTIFIED™ g

Wi-Fi CERTIFIED™ n

OBSS on Extension Channel

RIFS

Short Guard Interval

STBC

A-MPDU Tx

Wi-Fi Vantage™ Release 1

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