



# 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: WFA72703**

## Product Info

<b>Date of Certification</b>	July 15, 2020
<b>Company</b>	Cisco Systems
<b>Product Name</b>	Cisco 5520 WLAN Controller and Cisco AP1800i AP
<b>Product Model Variant</b>	2020-07-15 (WFA72703 - 11385074)
<b>Model Number</b>	AIR-CT5520-K9 and AIR-AP1800i
<b>Category</b>	Routers
<b>Sub-category</b>	Enterprise/Service Provider Access Point, Switch/Controller or Router

## Summary of Certifications

CLASSIFICATION	CERTIFICATION
<b>Access</b>	Passpoint® Release 2
<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® WMM®-Power Save Wi-Fi Vantage™ Release 1
<b>Security</b>	Protected Management Frames WPA2™-Enterprise 2018-04 WPA2™-Personal 2018-04 WPA3™-Enterprise 2018-04 WPA3™-Personal 2019-08
<b>Spectrum &amp; Regulatory Features</b>	Spectrum & Regulatory

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Role: Access Point

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## Wi-Fi Components

### Wi-Fi Component Operating System

Proprietary / Other, version:8.10.128.64,  
description:AireOS (controller) + Linux (AP)

### Wi-Fi Component Firmware

8.10.128.64

### 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 2018-04

EAP methods

### WPA2™-Personal 2018-04

### Passpoint® Release 2

Online Sign Up and Policy provisioning

### WPA3™-Enterprise 2018-04

EAP methods  
192-bit security

### Protected Management Frames

### WPA3™-Personal 2019-08

### Spectrum & Regulatory

802.11d  
802.11h

### Wi-Fi CERTIFIED™ a

### Wi-Fi CERTIFIED™ ac

### WMM®

A-MPDU with A-MSDU  
DL MU-MIMO

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## Wi-Fi CERTIFIED™ ac (continued)

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 Enhanced Open™ 2018-04

## Wi-Fi Vantage™ Release 1

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