



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: WFA72707

Product Info

Date of Certification	July 15, 2020
Company	Cisco Systems
Product Name	Cisco CTVM Virtual WLAN Controller and Cisco AP1800i AP
Product Model Variant	2020-07-15 (WFA72707 - 11385578)
Model Number	AIR-CTVM 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 Wi-Fi Enhanced Open™ 2018-04
Optimization	WMM® WMM®-Power Save Wi-Fi Vantage™ Release 1
Security	Protected Management Frames WPA2™-Enterprise 2018-04 WPA2™-Personal 2018-04 WPA3™-Enterprise 2018-04 WPA3™-Personal 2019-08
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:8.10.128.64,
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