



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: WFA114993

Product Info

Date of Certification	December 23, 2022
Company	Extreme Networks
Product Name	AP4000
Product Model Variant	AP4000-FCC
Model Number	AP4000
Category	Routers
Sub-category	Enterprise/Service Provider Access Point, Switch/Controller or Router

Summary of Certifications

CLASSIFICATION	CERTIFICATION
Access	Passpoint® Release 3
Applications & Services	Voice-Enterprise
Connectivity	2.4 GHz Spectrum Capabilities 5 GHz Spectrum Capabilities 6 GHz Spectrum Capabilities Wi-Fi CERTIFIED 6® Wi-Fi CERTIFIED™ a Wi-Fi CERTIFIED™ ac Wi-Fi CERTIFIED™ b Wi-Fi CERTIFIED™ g Wi-Fi CERTIFIED™ n Wi-Fi Enhanced Open™ 2021-01
Optimization	WMM® WMM®-Admission Control WMM®-Power Save Wi-Fi Agile Multiband™ Wi-Fi Optimized Connectivity™ 2020
Security	Protected Management Frames WPA2™-Enterprise 2018-04



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Summary of Certifications (continued)

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CLASSIFICATION

CERTIFICATION

Security

WPA2™-Personal 2021-01
WPA3™-Enterprise 2020-02
WPA3™-Personal 2020-02



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Role: Access Point

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Wi-Fi Components

Wi-Fi Component Operating System

Proprietary / Other

Wi-Fi Component Firmware

10.4R3

RF Architecture

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

Certifications

2.4 GHz Spectrum Capabilities

20 MHz Channel Width in 2.4 GHz

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

6 GHz Spectrum Capabilities

20 MHz Channel Width in 6 GHz

40 MHz Channel Width in 6 GHz

80 MHz Channel Width in 6 GHz

Passpoint® Release 3

Online Sign Up and Policy provisioning

Online Sign Up using single SSID

Roaming Consortium Selection

Venue Information

Terms and Conditions

Protected Management Frames

Voice-Enterprise

WMM®

WMM®-Admission Control

WMM®-Power Save

Legacy Power Save

Unschedule auto PS

WPA2™-Enterprise 2018-04

EAP methods

WPA2™-Personal 2021-01

WPA3™-Enterprise 2020-02

EAP methods



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WPA3™-Personal 2020-02

Wi-Fi CERTIFIED™ b

Wi-Fi Agile Multiband™

Wi-Fi CERTIFIED™ g

Wi-Fi CERTIFIED 6®

Wi-Fi CERTIFIED™ n

A-MPDU with A-MSDU
Basic Trigger frame in HE MU PPDU
BSRP Trigger frame
DL MU-MIMO
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
Operating Mode indication
SU beamformer
SU-MIMO
UL OFDMA

Short Guard Interval
STBC
A-MPDU Tx

Wi-Fi Enhanced Open™ 2021-01

Wi-Fi Optimized Connectivity™ 2020

Wi-Fi CERTIFIED™ a

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