



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

Certification ID: WFA129453

Product Info

Date of Certification January 11, 2024

Company Extreme Networks

Product Name AP5050D Universal Wireless Wi-Fi 6E Outdoor Access Point

Product Model Variant AP5050D

Model Number AP5050D-WW

Category Routers

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

Summary of Certifications

CLASSIFICATION CERTIFICATION

Network management WMM®

WMM®-Admission Control

WMM®-Power Save Wi-Fi Agile Multiband™

Performance Voice-Enterprise

Security Protected Management Frames

WPA2[™]-Enterprise 2018-04 WPA2[™]-Personal 2021-01 WPA3[™]-Enterprise 2022-12 WPA3[™]-Personal 2022-06 Wi-Fi Enhanced Open[™] 2021-01

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

5 GHz Spectrum Capabilities 6 GHz Spectrum Capabilities

Spectrum & Regulatory
Wi-Fi CERTIFIED 6®
Wi-Fi CERTIFIED™ a
Wi-Fi CERTIFIED™ ac
Wi-Fi CERTIFIED™ b
Wi-Fi CERTIFIED™ g



Certification ID: WFA129453



Summary of Certifications (continued) Page 2 of 5 CLASSIFICATION CERTIFICATION Wi-Fi (MAC/PHY) Wi-Fi CERTIFIED™ n



Certification ID: WFA129453



Role: Access Point			Page 3 of 5	
Wi-Fi Components				
Wi-Fi Component Operating System	RF Architecture			
Linux	Bands Supported	Transmit (Tx)	Receive (Rx)	
Wi-Fi Component Firmware	2.4 GHz	4	4	
17.10.188.93	5 GHz	4	4	
	6 GHz	4	4	
Certifications				
2.4 GHz Spectrum Capabilities	Spectrum & Regu	Spectrum & Regulatory (continued)		
20 MHz Channel Width in 2.4 GHz	802.11d	802.11d		
40 MHz Channel Width in 2.4 GHz	802.11h			
5 GHz Spectrum Capabilities	Voice-Enterprise			
20 MHz Channel Width in 5 GHz	-			
40 MHz Channel Width in 5 GHz	WMM®			
80 MHz Channel Width in 5 GHz 160 MHz Channel Width in 5 GHz	Max Throughput			
	WMM®-Admissio	n Control		
6 GHz Spectrum Capabilities				
20 MHz Channel Width in 6 GHz	WMM®-Power Sa	ve		
40 MHz Channel Width in 6 GHz	Legacy Power Save	Legacy Power Save		
80 MHz Channel Width in 6 GHz 160 MHz Channel Width in 6 GHz	Unschedule auto PS			
100 Mil 12 Gridiffici vviditi ili 0 GM2	MD AGTH E	0040 84		
Protected Management Frames	WPA2™-Enterpris	se 2018-04		
-	EAP methods			
Spectrum & Regulatory				

WPA2™-Personal 2021-01



Certification ID: WFA129453



Role: Access Point Page 4 of 5

WPA3™-Enterprise 2022-12

EAP methods

Fast Transition OTA on WPA3-Enterprise

Fast Transition OTA on WPA3-Enterprise transition mode

WPA3™-Personal 2022-06

Fast Transition OTA on WPA3-Personal

Fast Transition OTA on WPA3-Personal transition mode

ast Transition OTA on WPA3-Personal

Wi-Fi Agile Multiband™

Fast Transition OTA on WPA2-Enterprise

Fast Transition OTA on WPA2-Personal

Wi-Fi CERTIFIED 6®

4 antenna support

A-MPDU with A-MSDU

Basic Trigger frame in HE MU PPDU

Beamforming sounding

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

MU-RTS Trigger frame

Operating mode subfield in A-Control field

Wi-Fi CERTIFIED 6® (continued)

Operating mode indication

Operating mode UL MU Rx

SU beamformer

SU-MIMO

TXOP RTS Threshold

UL OFDMA

Wi-Fi 6E

Co-located BSS

Wi-Fi CERTIFIED™ a

Wi-Fi CERTIFIED™ ac

Extended 5 GHz Channel Support

A-MPDU with A-MSDU

DL MU-MIMO

LDPC Rx

LDPC Tx

MCS 8 Rx

MCS 8-9 Rx

Short Guard Interval

STBC

SU beamformer

Wi-Fi CERTIFIED™ b

Wi-Fi CERTIFIED™ g

Wi-Fi CERTIFIED™ n

A-MPDU Tx

HT Duplicate Mode

OBSS on Extension Channel

RIFS



Certification ID: WFA129453



Role: Access Point	Page 5 of 5
Wi-Fi CERTIFIED™ n (continued)	
Short Guard Interval STBC	
Wi-Fi Enhanced Open™ 2021-01	