



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: WFA118265

Product Info

Date of Certification	June 20, 2022
Company	TP-Link Corporation Limited
Product Name	AX1800 Whole Home Mesh Wi-Fi AP
Product Model Variant	HX220G5
Model Number	HX220
Category	Routers
Sub-category	Access Point for Home or Small Office (Wireless Router)

Summary of Certifications

CLASSIFICATION	CERTIFICATION
Connectivity	2.4 GHz Spectrum Capabilities 5 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
Optimization	WMM® Wi-Fi Agile Multiband™ Wi-Fi EasyMesh™
Security	Protected Management Frames WPA2™-Personal 2021-01 WPA3™-Personal 2020-12



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Role: Access Point

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Wi-Fi Components

Wi-Fi Component Operating System

Linux 4.4.198

Wi-Fi Component Firmware

MT7915: FW ver: 0x8a01, HW ver: 0x8a10

RF Architecture

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

Wi-Fi Component Operating System

Linux 4.4.198

Wi-Fi Component Firmware

MT7915: FW ver: 0x8a01, HW ver: 0x8a10

RF Architecture

Bands Supported	Transmit (Tx)	Receive (Rx)
5 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

Protected Management Frames

WMM®

WPA2™-Personal 2021-01

WPA3™-Personal 2020-12

Wi-Fi Agile Multiband™

Wi-Fi CERTIFIED 6®

Wi-Fi CERTIFIED 6® (continued)

DL OFDMA
 Individual Target Wake Time
 LDPC Rx
 LDPC Tx
 Operating Mode
 SU-MIMO
 UL OFDMA

Wi-Fi CERTIFIED™ a

Wi-Fi CERTIFIED™ ac

LDPC Rx
 LDPC Tx
 Short Guard Interval

Wi-Fi CERTIFIED™ b

Wi-Fi CERTIFIED™ g



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OBSS on Extension Channel
Short Guard Interval

Wi-Fi EasyMesh™

Backhaul Link
 Backhaul in 2.4 GHz
 Backhaul in 5 GHz low band
 Backhaul in 5 GHz high band
 Backhaul over Ethernet
Fronthaul Access Point
 Fronthaul in 2.4 GHz
 Fronthaul in 5 GHz low band
 Fronthaul in 5 GHz high band
Backhaul onboarding with Pushbutton
Coordinated CAC
Traffic separation



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Role: Controller

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Wi-Fi Component Operating System

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Certifications

Wi-Fi EasyMesh™