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: WFA116571

Product Info

Date of Certification	January 28, 2022
Company	TP-Link Corporation Limited
Product Name	AX3000 Whole Home Mesh Wi-Fi AP
Product Model Variant	HX510
Model Number	HX510
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

Wi-Fi CERTIFIED™ Certificate

Certification ID: WFA116571

Wi-Fi Components

Wi-Fi Component Operating System
Linux 4.4.60

Wi-Fi Component Firmware
11.4Cs

RF Architecture

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

Wi-Fi Component Operating System
Linux 4.4.60

Wi-Fi Component Firmware
11.4Cs

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 Agile Multiband™ (continued)

Cellular Data aware

Wi-Fi CERTIFIED 6®

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™ Certificate

Certification ID: WFA116571

Wi-Fi CERTIFIED™ ac (continued)

STBC

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 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

Wi-Fi CERTIFIED™ Certificate

Certification ID: WFA116571

Wi-Fi Components

Wi-Fi Component Operating System

Linux 4.4.60

Certifications

Wi-Fi EasyMesh™