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: WFA119109

Product Info

Date of Certification	March 29, 2022
Company	TP-Link Corporation Limited
Product Name	AX3000 Dual Band Wi-Fi 6 Router
Product Model Variant	EX510
Model Number	EX510
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 2020-02

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Wi-Fi Components

Wi-Fi Component Operating System
Linux version 4.4.60

Wi-Fi Component Firmware
ipq5018_11.4_cs

RF Architecture

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

Wi-Fi Component Operating System
Linux version 4.4.60

Wi-Fi Component Firmware
ipq5018_11.4_cs

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 2020-02

Wi-Fi Agile Multiband™

Wi-Fi CERTIFIED 6®

Wi-Fi CERTIFIED 6® (continued)

DL OFDMA
Individual Target Wake Time
Operating Mode indication
UL OFDMA

Wi-Fi CERTIFIED™ a

Wi-Fi CERTIFIED™ ac

Short Guard Interval

Wi-Fi CERTIFIED™ b

Wi-Fi CERTIFIED™ g

Wi-Fi CERTIFIED™ n

OBSS on Extension Channel

Wi-Fi CERTIFIED™ n (continued)

Short Guard Interval

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

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Certifications

Wi-Fi EasyMesh™