



# 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](https://www.wi-fi.org/certification/programs)

**Certification ID: WFA125238**

## Product Info

Date of Certification	April 17, 2023
Company	TP-Link Systems Inc.
Product Name	5G AX3000 Wi-Fi 6 Telephony Router
Product Model Variant	NX510v 1.0
Model Number	NX510v 1.0
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™
Security	Protected Management Frames WPA2™-Personal 2021-01 WPA3™-Personal 2022-06

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Role: Access Point

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## Wi-Fi Components

### Wi-Fi Component Operating System

Linux 4.4.60

### Wi-Fi Component Firmware

WLAN.HK.2.6-02385-

QCAHKSUPL\_SILICONZ-1.556268.3 v1

### RF Architecture

Bands Supported	Transmit (Tx)	Receive (Rx)
2.4 GHz	2	2
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 2022-06

### Wi-Fi Agile Multiband™

Cellular Data aware

### Wi-Fi CERTIFIED 6®

### Wi-Fi CERTIFIED 6® (continued)

DL OFDMA

Individual Target Wake Time

LDPC Rx

LDPC Tx

Operating mode subfield in A-Control field

Operating mode indication

Operating mode UL MU Rx

SU-MIMO

UL OFDMA

### Wi-Fi CERTIFIED™ a

### Wi-Fi CERTIFIED™ ac

LDPC Rx

LDPC Tx

Short Guard Interval

STBC

### Wi-Fi CERTIFIED™ b

### Wi-Fi CERTIFIED™ g

### Wi-Fi CERTIFIED™ n

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## Wi-Fi CERTIFIED™ n (continued)

A-MPDU Tx

OBSS on Extension Channel

Short Guard Interval

STBC

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