



# Wi-Fi CERTIFIED® Certificate



This certificate lists the features that have successfully completed Wi-Fi Alliance interoperability testing. Learn more: [www.wi-fi.org](http://www.wi-fi.org)

## Certification ID: WFA129418

### Product Info

<b>Date of Certification</b>	January 9, 2024
<b>Company</b>	Shenzhen SDMC Technology Co., Ltd
<b>Product Name</b>	AX5400 Dual Band WiFi6 GPON Terminal
<b>Product Model Variant</b>	NP5454C
<b>Model Number</b>	NP5454T
<b>Category</b>	Routers
<b>Sub-category</b>	Cable, DSL or Other Broadband Gateway (Integrated Home Access Device)

### Summary of Certifications

CLASSIFICATION	CERTIFICATION
<b>Network management</b>	WMM® Wi-Fi Agile Multiband™
<b>Security</b>	Protected Management Frames WPA2™-Personal 2021-01 WPA3™-Personal 2022-06
<b>Wi-Fi (MAC/PHY)</b>	2.4 GHz Spectrum Capabilities 5 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 Wi-Fi CERTIFIED™ n

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Role: Access Point

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## Wi-Fi Components

### Wi-Fi Component Operating System

Linux,version:4.19.208

### Wi-Fi Component Firmware

17.10.188.75

### RF Architecture

Bands Supported	Transmit (Tx)	Receive (Rx)
2.4 GHz	2	2
5 GHz	4	4

## Certifications

### 2.4 GHz Spectrum Capabilities

20 MHz Channel Width in 2.4 GHz  
40 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  
160 MHz Channel Width in 5 GHz

### Protected Management Frames

### Spectrum & Regulatory

802.11d  
802.11h

### WMM®

### WPA2™-Personal 2021-01

### WPA3™-Personal 2022-06

### Wi-Fi Agile Multiband™

### Wi-Fi CERTIFIED 6®

- 4 antenna support
- A-MPDU with A-MSDU
- Basic Trigger frame in HE MU PPDU
- BSRP Trigger frame
- Compressed Block Ack Rx (buffer size 256)
- Compressed Block Ack Tx (buffer size 256)
- 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
- M-BSSID
- Operating mode subfield in A-Control field
- Operating mode indication
- Operating mode UL MU Rx
- SU beamformer

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## Wi-Fi CERTIFIED 6® (continued)

SU-MIMO  
TXOP RTS Threshold  
UL OFDMA

## Wi-Fi CERTIFIED™ a

## Wi-Fi CERTIFIED™ ac

A-MPDU with A-MSDU  
DL MU-MIMO  
LDPC Rx  
LDPC Tx  
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  
OBSS on Extension Channel  
Short Guard Interval  
STBC

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