

# 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 ID: WFA129418** 

# **Product Info**

**Date of Certification** January 9, 2024

Company Shenzhen SDMC Technology Co., Ltd

Product Name AX5400 Dual Band WiFi6 GPON Terminal

Product Model Variant NP5454C

Model Number NP5454T

**Category** Routers

Sub-category Cable, DSL or Other Broadband Gateway (Integrated Home Access

Device)

# **Summary of Certifications**

CLASSIFICATION CERTIFICATION

Network management WMM®

Wi-Fi Agile Multiband™

**Security** Protected Management Frames

WPA2<sup>™</sup>-Personal 2021-01 WPA3<sup>™</sup>-Personal 2022-06

Wi-Fi (MAC/PHY) 2.4 GHz Spectrum Capabilities

5 GHz Spectrum Capabilities

Spectrum & Regulatory
Wi-Fi CERTIFIED 6®
Wi-Fi CERTIFIED™ a
Wi-Fi CERTIFIED™ b
Wi-Fi CERTIFIED™ g
Wi-Fi CERTIFIED™ n



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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-BSSIE

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