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: WFA119085

Product Info

Date of Certification	July 11, 2022
Company	Buffalo Inc.
Product Name	BUFFALO WNR-5400XE6 Broadband Router
Product Model Variant	WNR-5400XE6
Model Number	WNR-5400XE6
Category	Routers
Sub-category	Access Point for Home or Small Office (Wireless Router)

Summary of Certifications

CLASSIFICATION	CERTIFICATION
Network management	WMM® Wi-Fi Agile Multiband™
Security	Protected Management Frames WPA2™-Personal 2021-01 WPA3™-Personal 2020-12 Wi-Fi Enhanced Open™ 2021-01
Wi-Fi (MAC/PHY)	2.4 GHz Spectrum Capabilities 5 GHz Spectrum Capabilities 6 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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Wi-Fi Components

Wi-Fi Component Operating System

Linux

Wi-Fi Component Firmware

IPQ5018.ILQ.11.5-00270-P-1

RF Architecture

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

Wi-Fi Component Operating System

Linux

Wi-Fi Component Firmware

IPQ5018.ILQ.11.5-00270-P-1

RF Architecture

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

Wi-Fi Component Operating System

Linux

Wi-Fi Component Firmware

IPQ5018.ILQ.11.5-00270-P-1

RF Architecture

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

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

6 GHz Spectrum Capabilities

6 GHz Spectrum Capabilities (continued)

20 MHz Channel Width in 6 GHz
40 MHz Channel Width in 6 GHz
80 MHz Channel Width in 6 GHz
160 MHz Channel Width in 6 GHz

Protected Management Frames

Spectrum & Regulatory

802.11h

WMM®

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WPA2™-Personal 2021-01

WPA3™-Personal 2020-12

Wi-Fi Agile Multiband™

Wi-Fi CERTIFIED 6®

A-MPDU with A-SDU

BSRP Trigger frame

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

Operating mode subfield in A-Control field

Operating mode indication

Operating mode UL MU Rx

SU beamformer

SU-MIMO

TXOP RTS Threshold

UL OFDMA

Wi-Fi 6E

Wi-Fi CERTIFIED™ a

Wi-Fi CERTIFIED™ ac

RTS with BW Signaling

Extended 5 GHz Channel Support

A-MPDU with A-MSDU

LDPC Rx

LDPC Tx

Wi-Fi CERTIFIED™ ac (continued)

MCS 8-9 Rx

Short Guard Interval

STBC

SU beamformer

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 Enhanced Open™ 2021-01