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: WFA109720

Product Info

Date of Certification	December 29, 2020
Company	NEC Corporation
Product Name	WX1800HP
Product Model Variant	WX1800HP
Model Number	WX1800HP
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 Wi-Fi Enhanced Open™ 2020-02
Optimization	WMM® WMM®-Power Save Wi-Fi Agile Multiband™ Wi-Fi EasyMesh™
Security	Protected Management Frames WPA2™-Personal 2020-02 WPA3™-Personal 2020-02 WPA™-Personal

Wi-Fi CERTIFIED™ Certificate

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Wi-Fi Components

Wi-Fi Component Operating System

Linux

Wi-Fi Component Firmware

1.0.4

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
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

Protected Management Frames

WMM®

WMM®-Power Save

WPA2™-Personal 2020-02

WPA3™-Personal 2020-02

WPA™-Personal

Wi-Fi Agile Multiband™

Wi-Fi Agile Multiband™ (continued)

Automatically populate BSS Transition candidate list
Cellular Data aware

Wi-Fi CERTIFIED 6®

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 indication

Wi-Fi CERTIFIED 6® (continued)

SU beamformer

SU-MIMO

TXOP RTS Threshold

UL OFDMA

Wi-Fi CERTIFIED™ a

Wi-Fi CERTIFIED™ ac

RTS with BW Signaling

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

OBSS on Extension Channel

Short Guard Interval

STBC

A-MPDU Tx

Wi-Fi EasyMesh™

Backhaul Link

    Backhaul in 2.4 GHz

Wi-Fi EasyMesh™ (continued)

    Backhaul in 5 GHz low band

    Backhaul over Ethernet

Fronthaul Access Point

    Fronthaul in 2.4 GHz

    Fronthaul in 5 GHz low band

    Fronthaul in 5 GHz high band

Unassociated STA Link Metrics Reporting

Backhaul onboarding with Pushbutton

Wi-Fi Enhanced Open™ 2020-02

Wi-Fi Components

Wi-Fi Component Operating System

Linux

Certifications

Wi-Fi EasyMesh™