# 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: WFA109814

## Product Info

| | |
|---|---|
| **Date of Certification** | January 4, 2021 |
| **Company** | NEC Corporation |
| **Product Name** | AX1800HP |
| **Product Model Variant** | AX1800HP |
| **Model Number** | AX1800HP |
| **Category** | Routers |
| **Sub-category** | Access Point for Home or Small Office (Wireless Router) |

## Summary of Certifications

| CLASSIFICATION | CERTIFICATION |
|---|---|
| **Connectivity** | 2.4 GHz Spectrum Capabilities<br>5 GHz Spectrum Capabilities<br>Wi-Fi CERTIFIED 6®<br>Wi-Fi CERTIFIED™ a<br>Wi-Fi CERTIFIED™ ac<br>Wi-Fi CERTIFIED™ b<br>Wi-Fi CERTIFIED™ g<br>Wi-Fi CERTIFIED™ n<br>Wi-Fi Enhanced Open™ 2020-02 |
| **Optimization** | WMM®<br>WMM®-Power Save<br>Wi-Fi Agile Multiband™<br>Wi-Fi EasyMesh™ |
| **Security** | Protected Management Frames<br>WPA2™-Personal 2020-02<br>WPA3™-Personal 2020-02<br>WPA™-Personal |

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# Wi-Fi CERTIFIED™ Certificate

## Certification ID: WFA109814

**Role: Access Point** 

## 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

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### 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
- 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 EasyMesh™ (continued)

### Wi-Fi Enhanced Open™ 2020-02

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# Wi-Fi CERTIFIED™ Certificate

## Certification ID: WFA109814

**Role: Controller** 

### Wi-Fi Components

**Wi-Fi Component Operating System**

Linux

### Certifications

**Wi-Fi EasyMesh™**

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