# 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: WFA103780

## Product Info

| | |
|---|---|
| **Date of Certification** | August 11, 2021 |
| **Company** | Buffalo Inc. |
| **Product Name** | BUFFALO AirStation WEX-1800AX4 |
| **Product Model Variant** | WEX-1800AX4EA/D_MAP |
| **Model Number** | WEX-1800AX4 |
| **Category** | Routers |
| **Sub-category** | Repeater, Extender, Mesh System, Controller |

## 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 |
| **Optimization** | WMM®<br>Wi-Fi Agile Multiband™<br>Wi-Fi EasyMesh™ |
| **Security** | Protected Management Frames<br>WPA2™-Personal 2021-01<br>WPA3™-Personal 2020-02 |
| **Spectrum & Regulatory Features** | Spectrum & Regulatory |

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## Wi-Fi Components

### Wi-Fi Component Operating System
Linux, version: 4.4.198

### Wi-Fi Component Firmware
7.4.0.0

### 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

### Spectrum & Regulatory

802.11d
802.11h

### WMM®

### WPA2™-Personal 2021-01

### WPA3™-Personal 2020-02

### 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
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
Operating mode indication
SU beamformer
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
SU beamformer

### Wi-Fi CERTIFIED™ b

### Wi-Fi CERTIFIED™ g

### Wi-Fi CERTIFIED™ n

HT Duplicate Mode
OBSS on Extension Channel
Short Guard Interval
A-MPDU Tx

### Wi-Fi EasyMesh™

Backhaul Link
    Backhaul in 2.4 GHz
    Backhaul in 5 GHz low band
    Backhaul in 5 GHz high band
    Backhaul over Ethernet
Fronthaul Access Point
    Fronthaul in 2.4 GHz
    Fronthaul in 5 GHz low band
    Fronthaul in 5 GHz high band
Client Capability Query
Agent-initiated Steering capability

### Wi-Fi EasyMesh™ (continued)

Unassociated STA Link Metrics Reporting
Channel Scan on Request
Backhaul onboarding with Wi-Fi Protected Setup pushbutton
Coordinated CAC
Traffic separation