



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: WFA99794

Product Info

| | |
|-----------------------|---|
| Date of Certification | September 8, 2021 |
| Company | Buffalo Inc. |
| Product Name | BUFFALO AirStation WXR-5700AX7S |
| Product Model Variant | WXR-5700AX7S |
| Model Number | WXR-5700AX7S |
| 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 |
| Optimization | WMM® Wi-Fi Agile Multiband™ Wi-Fi EasyMesh™ |
| Security | Protected Management Frames WPA2™-Personal 2021-01 WPA3™-Personal 2020-02 |



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Role: Access Point

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Wi-Fi Components

Wi-Fi Component Operating System

Linux, version:4.1.52

Wi-Fi Component Firmware

19.1GA

RF Architecture

| Bands Supported | Transmit (Tx) | Receive (Rx) |
|-----------------|---------------|--------------|
| 2.4 GHz | 3 | 3 |
| 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

WMM®

WPA2™-Personal 2021-01

WPA3™-Personal 2020-02

Wi-Fi Agile Multiband™

Wi-Fi CERTIFIED 6®

4 antenna support

Wi-Fi CERTIFIED 6® (continued)

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
Operating mode indication
SU beamformer
TXOP RTS Threshold
UL OFDMA

Wi-Fi CERTIFIED™ a

Wi-Fi CERTIFIED™ ac

A-MPDU with A-MSDU



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Wi-Fi CERTIFIED™ ac (continued)

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

HT Duplicate Mode
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
Client Capability Query
Unassociated STA Link Metrics Reporting
Channel Scan on Request
Backhaul onboarding with Wi-Fi Protected Setup pushbutton
Coordinated CAC
Traffic separation



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Role: Controller

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Wi-Fi Components

Wi-Fi Component Operating System

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Certifications

Wi-Fi EasyMesh™