



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: WFA119372

Product Info

| | |
|-----------------------|---|
| Date of Certification | April 20, 2022 |
| Company | Huawei Technologies Co., Ltd. |
| Product Name | Home Gateway |
| Product Model Variant | OptiXstar B866-S1-4E1P3W2 |
| Model Number | OptiXstar B866-S1-4E1P3W2 |
| Category | Routers |
| Sub-category | Enterprise/Service Provider Access Point, Switch/Controller or Router |

Summary of Certifications

| CLASSIFICATION | CERTIFICATION |
|----------------|---|
| Access | Wi-Fi Protected Setup™ |
| 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® WMM®-Power Save Wi-Fi Agile Multiband™ Wi-Fi EasyMesh™ |
| Security | Protected Management Frames WPA2™-Enterprise 2018-04 WPA2™-Personal 2021-01 WPA3™-Enterprise 2020-02 WPA3™-Personal 2020-02 |



Wi-Fi CERTIFIED™ Certificate

Certification ID: WFA119372



Role: Access Point

Page 2 of 4

Wi-Fi Components

Wi-Fi Component Operating System

Linux

Wi-Fi Component Firmware

V5

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
160 MHz Channel Width in 5 GHz

Protected Management Frames

WMM®

WMM®-Power Save

Legacy Power Save
Unschedule auto PS

WPA2™-Enterprise 2018-04

EAP methods

WPA2™-Personal 2021-01

WPA3™-Enterprise 2020-02

EAP methods

WPA3™-Personal 2020-02

Wi-Fi Agile Multiband™

Automatically populate BSS Transition candidate list

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



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Page 3 of 4

Wi-Fi CERTIFIED 6® (continued)

MCS 10-11 Tx
MU-BAR Trigger frame
MU-RTS Trigger frame
Operating Mode indication
SU beamformer
UL OFDMA

Wi-Fi CERTIFIED™ a

Wi-Fi CERTIFIED™ ac

RTS with BW Signaling
Extended 5 GHz Channel Support
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™

Wi-Fi EasyMesh™ (continued)

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
Unassociated STA Link Metrics Reporting
Backhaul onboarding with Pushbutton
Coordinated CAC
Traffic separation

Wi-Fi Protected Setup™

PIN
Pushbutton



Wi-Fi CERTIFIED™ Certificate

Certification ID: WFA119372



Role: Controller

Page 4 of 4

Wi-Fi Components

Wi-Fi Component Operating System

Linux

Certifications

Wi-Fi EasyMesh™