



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 ID: WFA135957

Product Info

Date of Certification	April 22, 2025
Company	Huawei Technologies Co., Ltd.
Product Name	Main FTTR(XGS-PON/GPON ONU)
Product Model Variant	OptiXstar B866G-S2-5E4P5W6
Model Number	OptiXstar B866G-S2-5E4P5W6
Category	Routers
Sub-category	Cable, DSL or Other Broadband Gateway (Integrated Home Access Device)

Summary of Certifications

CLASSIFICATION	CERTIFICATION
Access	Wi-Fi Protected Setup™
Alternative topologies	Wi-Fi EasyMesh™
Network management	WMM® WMM®-Power Save Wi-Fi Agile Multiband™
Security	Protected Management Frames WPA2™-Enterprise 2018-04 WPA2™-Personal 2021-01 WPA3™-Enterprise 2022-12 WPA3™-Personal 2023-12
Wi-Fi (MAC/PHY)	2.4 GHz Spectrum Capabilities 5 GHz Spectrum Capabilities Spectrum & Regulatory Wi-Fi CERTIFIED 6® Release 2 Wi-Fi CERTIFIED 7™ Wi-Fi CERTIFIED™ a Wi-Fi CERTIFIED™ ac Wi-Fi CERTIFIED™ b Wi-Fi CERTIFIED™ g

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Summary of Certifications (continued)

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CLASSIFICATION

CERTIFICATION

Wi-Fi (MAC/PHY)

Wi-Fi CERTIFIED™ n

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Role: Access Point

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Wi-Fi Components

Wi-Fi Component Operating System

Linux

Wi-Fi Component Firmware

V500

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

Spectrum & Regulatory

802.11d
802.11h

WMM®

WMM®-Power Save

WPA2™-Enterprise 2018-04

WPA2™-Enterprise 2018-04 (continued)

EAP methods

WPA2™-Personal 2021-01

WPA3™-Enterprise 2022-12

EAP methods

WPA3™-Personal 2023-12

AKM 24
Beacon Protection

Wi-Fi Agile Multiband™

Cellular Data aware

Wi-Fi CERTIFIED 6® Release 2

A-MPDU with A-MSDU
Basic Trigger frame in HE MU PPDU
BSRP Trigger frame

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Wi-Fi CERTIFIED 6® Release 2 (continued)

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-BAR Trigger frame
 MU-RTS Trigger frame
 Operating mode subfield in A-Control field
 Operating mode indication
 Operating mode UL MU Rx
 SU beamformer
 SU-MIMO
 UL OFDMA
 Wi-Fi 6 Release 2 features
 Dynamic MU SMPS

Wi-Fi CERTIFIED 7™

A-MPDU with A-MSDU
 BSRP Trigger frame
 BSS critical update
 DL MU-MIMO
 DL OFDMA
 Dynamic MU SMPS
 EMLSR (Enhanced Multilink Single-Radio)
 LDPC Rx
 LDPC Tx
 MCS 8-9 Rx
 MCS 8-9 Tx
 MCS 10-11 Rx
 MCS 10-11 Tx

Wi-Fi CERTIFIED 7™ (continued)

MCS 12-13 Rx
 MCS 12-13 Tx
 Multi-RU
 MU-RTS Trigger frame
 Operating mode indication
 STR (Simultaneous Transmit and Receive)
 SU-MIMO
 Triggered uplink access optimization
 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
 RTS with BW Signaling
 Short Guard Interval
 STBC
 SU beamformer

Wi-Fi CERTIFIED™ b

Wi-Fi CERTIFIED™ g

Wi-Fi CERTIFIED™ n

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

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Wi-Fi CERTIFIED™ n (continued)

STBC

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

Backhaul onboarding with Wi-Fi Protected Setup pushbutton

Coordinated CAC

Wi-Fi Protected Setup™

PIN

Pushbutton

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Role: Controller

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Wi-Fi Components

Wi-Fi Component Operating System

Linux

Certifications

Wi-Fi EasyMesh™

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