



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: WFA133603

Product Info

Date of Certification	November 21, 2024
Company	Huawei Technologies Co., Ltd.
Product Name	Optical Network Terminal
Product Model Variant	OptiXstar HG8145X7
Model Number	OptiXstar HG8145X7
Category	Routers
Sub-category	Cable, DSL or Other Broadband Gateway (Integrated Home Access Device)

Summary of Certifications

CLASSIFICATION	CERTIFICATION
Access	Wi-Fi Protected Setup™
Connectivity	2.4 GHz Spectrum Capabilities 5 GHz Spectrum Capabilities Wi-Fi CERTIFIED 6® Release 2 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 2023-12



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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

WMM®

WPA2™-Personal 2021-01

WPA3™-Personal 2023-12

Wi-Fi Agile Multiband™

Automatically populate BSS Transition candidate list

Wi-Fi CERTIFIED 6® Release 2

Wi-Fi CERTIFIED 6® Release 2 (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-BAR Trigger frame
MU-RTS Trigger frame
Operating mode indication
SU beamformer
SU-MIMO
UL OFDMA
Wi-Fi 6 Release 2 features
Dynamic MU SMPS

Wi-Fi CERTIFIED™ a

Wi-Fi CERTIFIED™ ac



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Role: Access Point

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Wi-Fi CERTIFIED™ ac (continued)

A-MPDU with A-MSDU
DL MU-MIMO
LDPC Rx
LDPC Tx
MCS 8-9 Rx
RTS with BW Signaling
Short Guard Interval
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

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™