



# Wi-Fi CERTIFIED® Certificate



This certificate lists the features that have successfully completed Wi-Fi Alliance interoperability testing. Learn more: [www.wi-fi.org](http://www.wi-fi.org)

**Certification ID: WFA129545**

## Product Info

<b>Date of Certification</b>	January 12, 2024
<b>Company</b>	Huawei Technologies Co., Ltd.
<b>Product Name</b>	Optical Network Terminal
<b>Product Model Variant</b>	OptiXstar HG8045X6-12
<b>Model Number</b>	OptiXstar HG8045X6-12
<b>Category</b>	Routers
<b>Sub-category</b>	Access Point for Home or Small Office (Wireless Router)

## Summary of Certifications

<b>CLASSIFICATION</b>	<b>CERTIFICATION</b>
<b>Access</b>	Wi-Fi Protected Setup™
<b>Alternative topologies</b>	Wi-Fi EasyMesh™
<b>Network management</b>	WMM® WMM®-Power Save Wi-Fi Agile Multiband™
<b>Security</b>	Protected Management Frames WPA2™-Enterprise 2018-04 WPA2™-Personal 2021-01 WPA3™-Enterprise 2020-02 WPA3™-Personal 2020-12
<b>Wi-Fi (MAC/PHY)</b>	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

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Role: Access Point

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## 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 2020-12

### 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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## Wi-Fi CERTIFIED 6® (continued)

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 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

A-MPDU Tx  
 OBSS on Extension Channel  
 Short Guard Interval

## 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

Client Capability Query  
 Unassociated STA Link Metrics Reporting  
 Backhaul onboarding with Wi-Fi Protected Setup pushbutton  
 Coordinated CAC  
 Traffic separation

## 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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