



This certificate lists the features that have successfully completed Wi-Fi Alliance interoperability testing. Learn more: www.wi-fi.org

## **Certification ID: WFA129524**

#### **Product Info**

Date of Certification January 11, 2024

**Company** Huawei Technologies Co., Ltd.

Product Name Optical Network Terminal

Product Model Variant Huawei OptiXstar EN8255X6s-8X

Model Number Huawei OptiXstar EN8255X6s-8X

**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®

Wi-Fi Agile Multiband™

**Security** Protected Management Frames

WPA2<sup>™</sup>-Enterprise 2018-04 WPA2<sup>™</sup>-Personal 2021-01 WPA3<sup>™</sup>-Enterprise 2020-02 WPA3<sup>™</sup>-Personal 2020-12

Wi-Fi (MAC/PHY) 2.4 GHz Spectrum Capabilities

5 GHz Spectrum Capabilities

Spectrum & Regulatory
Wi-Fi CERTIFIED 6®
Wi-Fi CERTIFIED™ a
Wi-Fi CERTIFIED™ b
Wi-Fi CERTIFIED™ g
Wi-Fi CERTIFIED™ n



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Page 2 of 4 **Role: Access Point** 

#### 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	4	4
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**

#### **Spectrum & Regulatory**

802.11d 802.11h

**WMM®** 

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 Cellular Data aware

#### Wi-Fi CERTIFIED 6®

4 antenna support

A-MPDU with A-MSDU

Basic Trigger frame in HE MU PPDU

**BSRP** Trigger frame

Compressed Block Ack Rx (buffer size 256)

Compressed Block Ack Tx (buffer size 256)

DL MU-MIMO

DL OFDMA

Individual Target Wake Time

LDPC Rx



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### Wi-Fi CERTIFIED 6® (continued)

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

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™ n (continued)

A-MPDU Tx

HT Duplicate Mode

**OBSS** on Extension Channel

Short Guard Interval

STBC

#### Wi-Fi Protected Setup™

PIN

Pushbutton

#### 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



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Wi-Fi EasyMesh™	