



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: WFA133458

Product Info

| | |
|-----------------------|-----------------------------------------------------------------------|
| Date of Certification | November 11, 2024 |
| Company | Huawei Technologies Co., Ltd. |
| Product Name | Optical Network Terminal |
| Product Model Variant | OptiXstar EG8145B7N-50 |
| Model Number | OptiXstar EG8145B7N-50 |
| 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 7™ 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 |
| Spectrum & Regulatory Features | Spectrum & Regulatory |

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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

WPA3™-Personal 2023-12 (continued)

AKM 24
Beacon Protection

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

Wi-Fi Agile Multiband™

Wi-Fi CERTIFIED 6® Release 2

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 subfield in A-Control field
Operating mode indication
Operating mode UL MU Rx

Protected Management Frames

Spectrum & Regulatory

802.11d

WMM®

WPA2™-Personal 2021-01

WPA3™-Personal 2023-12

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Role: Access Point

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Wi-Fi CERTIFIED 6® Release 2 (continued)

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
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

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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Wi-Fi CERTIFIED™ Certificate

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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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