# 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: WFA114975

## Product Info

| | |
|---|---|
| **Date of Certification** | October 26, 2021 |
| **Company** | Huawei Device Co., Ltd. |
| **Product Name** | Notebook Computer |
| **Product Model Variant** | EULD-WDH9 |
| **Model Number** | EULD-WDH9 |
| **Category** | Computers & Accessories |
| **Sub-category** | Laptop Computer |

## Summary of Certifications

| CLASSIFICATION | CERTIFICATION |
|---|---|
| **Access** | Wi-Fi Protected Setup™ |
| **Connectivity** | 2.4 GHz Spectrum Capabilities<br>5 GHz Spectrum Capabilities<br>Wi-Fi CERTIFIED 6®<br>Wi-Fi CERTIFIED™ a<br>Wi-Fi CERTIFIED™ ac<br>Wi-Fi CERTIFIED™ b<br>Wi-Fi CERTIFIED™ g<br>Wi-Fi CERTIFIED™ n<br>Wi-Fi Direct®<br>Wi-Fi Enhanced Open™ 2021-01 |
| **Optimization** | WMM®<br>WMM®-Power Save<br>Wi-Fi Agile Multiband™ |
| **Security** | Protected Management Frames<br>WPA2™-Enterprise 2018-04<br>WPA2™-Personal 2021-01<br>WPA3™-Enterprise 2020-02<br>WPA3™-Personal 2020-12<br>WPA™-Enterprise |

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| CLASSIFICATION | CERTIFICATION |
| --- | --- |
| **Security** | WPA™-Personal |
| **Spectrum & Regulatory Features** | Spectrum & Regulatory |

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**Role: Station** 

## Wi-Fi Components

### Wi-Fi Component Operating System

Windows 11

### Wi-Fi Component Firmware

22.80

### 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

802.11h

### WMM®

### WMM®-Power Save

Legacy Power Save
Unschedule auto PS

### WPA2™-Enterprise 2018-04

EAP methods
- EAP TLS
- EAP TTLS
- PEAPv0

### WPA2™-Personal 2021-01

### WPA3™-Enterprise 2020-02

EAP methods
- EAP TLS
- EAP TTLS
- PEAPv0

192-bit security
- 192-bit security RSA 3K with the TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 cipher suite

Fast Transition OTA on WPA3-Enterprise
Fast Transition OTA on WPA3-Enterprise transition mode
Server Certificate Validation

### WPA3™-Personal 2020-12

### WPA™-Enterprise

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### WPA™-Personal

### Wi-Fi Agile Multiband™

Beacon Report Measurement Active Mode
Beacon Report Measurement Passive Mode
Fast Transition OTA on WPA2-Enterprise

### Wi-Fi CERTIFIED 6®

A-MPDU with A-MSDU
Beamforming sounding
BSRP Trigger frame
Compressed Block Ack Rx (buffer size 256)
DL Mu PPDU multi-tone
DL MU-MIMO
HE NDP
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 EDCA Parameter Set element
MU-BAR Trigger frame
MU-RTS Trigger frame
OM Control field Tx
OM subfield in A-Control field
Operating Mode indication
SU beamformee
SU-MIMO
UL OFDMA
UL TB PPDU multi-tone

### Wi-Fi CERTIFIED™ a

### Wi-Fi CERTIFIED™ ac

Extended 5 GHz Channel Support
A-MPDU with A-MSDU
DL MU-MIMO
LDPC Rx
MCS 8-9 Rx
Short Guard Interval
STBC
LDPC Tx
SU beamformee

### Wi-Fi CERTIFIED™ b

### Wi-Fi CERTIFIED™ g

### Wi-Fi CERTIFIED™ n

STBC
A-MPDU Tx
OBSS on Extension Channel
Power Management
Short Guard Interval

### Wi-Fi Direct®

### Wi-Fi Enhanced Open™ 2021-01

### Wi-Fi Protected Setup™

PIN
Pushbutton

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