



# 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](http://www.wi-fi.org/certification/programs)

## Certification ID: WFA132219

### Product Info

<b>Date of Certification</b>	August 9, 2024
<b>Company</b>	Orange
<b>Product Name</b>	Livebox LB7
<b>Product Model Variant</b>	Livebox LB7
<b>Model Number</b>	PRV36BE347B-H1-LT
<b>Category</b>	Routers
<b>Sub-category</b>	Cable, DSL or Other Broadband Gateway (Integrated Home Access Device)

### Summary of Certifications

CLASSIFICATION	CERTIFICATION
<b>Access</b>	Wi-Fi Protected Setup™
<b>Connectivity</b>	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
<b>Optimization</b>	WMM® Wi-Fi Agile Multiband™ Wi-Fi EasyMesh™
<b>Security</b>	Protected Management Frames WPA2™-Enterprise 2018-04 WPA2™-Personal 2021-01 WPA3™-Enterprise 2022-12 WPA3™-Personal 2023-12



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Certification ID: WFA132219



## Summary of Certifications (continued)

Page 2 of 6

### CLASSIFICATION

### CERTIFICATION

Spectrum & Regulatory  
Features

Spectrum & Regulatory



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Certification ID: WFA132219



Role: Access Point

Page 3 of 6

## Wi-Fi Components

### Wi-Fi Component Operating System

Linux 4.19.294

### Wi-Fi Component Firmware

17.10.369.39012

### RF Architecture

Bands Supported	Transmit (Tx)	Receive (Rx)
2.4 GHz	3	3
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

802.11h

### WMM®

### WPA2™-Enterprise 2018-04

EAP methods

### WPA2™-Personal 2021-01

### WPA3™-Enterprise 2022-12

EAP methods

### WPA3™-Personal 2023-12

AKM 24  
Beacon Protection

### Wi-Fi Agile Multiband™

### Wi-Fi CERTIFIED 6® Release 2

4 antenna support  
A-MPDU with A-MSDU  
Basic Trigger frame in HE MU PPDU  
Beamforming sounding  
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



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Certification ID: WFA132219



Role: Access Point

Page 4 of 6

## Wi-Fi CERTIFIED 6® Release 2 (continued)

- 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
- Operating mode indication
- SU beamformer
- SU-MIMO
- TXOP RTS Threshold
- UL OFDMA
- Wi-Fi 6 Release 2 features
  - UL MU-MIMO
  - UL MU Control
  - UL Extended Range
  - Target Wake Time information frames
  - Broadcast Target Wake Time
  - Extended sleep
  - Dynamic MU SMPS
  - Preamble Puncturing

## Wi-Fi CERTIFIED 7™ (continued)

- Dynamic MU SMPS
- EMLSR (Enhanced Multilink Single-Radio)
- EPCS (Emergency Preparedness Communications Services) priority access
- LDPC Rx
- LDPC Tx
- Load Balancing in MLO
- 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-link reconfiguration – AP removal
- Multi-link reconfiguration – AP restart
- Multi-RU
- MU-RTS Trigger frame
- Operating mode indication
- STR (Simultaneous Transmit and Receive)
- SU-MIMO
- Triggered uplink access optimization
- UL MU-MIMO
- UL OFDMA

## Wi-Fi CERTIFIED 7™

- Advertised TID-to-link mapping
- A-MPDU with A-MSDU
- Beamforming sounding
- BSRP Trigger frame
- BSS critical update
- Compressed Block Ack Rx (buffer size 256)
- Compressed Block Ack Tx (buffer size 256)
- DL MU-MIMO
- DL OFDMA

## Wi-Fi CERTIFIED™ a

## Wi-Fi CERTIFIED™ ac

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



# Wi-Fi CERTIFIED™ Certificate

Certification ID: WFA132219



Role: Access Point

Page 5 of 6

## Wi-Fi CERTIFIED™ ac (continued)

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  
STBC

## Wi-Fi Protected Setup™

PIN  
Pushbutton



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Certification ID: WFA132219



**Role: Controller**

**Page 6 of 6**

## Wi-Fi Components

Wi-Fi Component Operating System

Linux 4.19.294

## Certifications

Wi-Fi EasyMesh™