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 ID: WFA131581

Product Info

Date of Certification	June 12, 2024
Company	TP-Link Systems Inc.
Product Name	BE11000 Whole Home Mesh Wi-Fi 7 System
Product Model Variant	Deco BE11000
Model Number	Deco BE11000
Category	Routers
Sub-category	Access Point for Home or Small Office (Wireless Router)

Summary of Certifications

CLASSIFICATION	CERTIFICATION
Network management	WMM® Wi-Fi Agile Multiband™
Security	Protected Management Frames WPA2™-Personal 2021-01 WPA3™-Personal 2023-12 Wi-Fi Enhanced Open™ 2023-12
Wi-Fi (MAC/PHY)	2.4 GHz Spectrum Capabilities 5 GHz Spectrum Capabilities 6 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

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Role: Access Point

Wi-Fi Components

Wi-Fi Component Operating System

Linux

Wi-Fi Component Firmware

1.0

RF Architecture

Bands Supported	Transmit (Tx)	Receive (Rx)
2.4 GHz	2	2
5 GHz	2	2
6 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

6 GHz Spectrum Capabilities

20 MHz Channel Width in 6 GHz
40 MHz Channel Width in 6 GHz
80 MHz Channel Width in 6 GHz
160 MHz Channel Width in 6 GHz
320 MHz channel width in 6 GHz

Protected Management Frames

WMM®

WPA2™-Personal 2021-01

WPA3™-Personal 2023-12

Beacon Protection

Wi-Fi Agile Multiband™

Wi-Fi CERTIFIED 6® Release 2

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
LDPC Tx
MCS 8-9 Rx
MCS 8-9 Tx
MU-BAR 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 6E

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Role: Access Point

Wi-Fi CERTIFIED 6® Release 2 (continued)

- Co-located BSS

Wi-Fi 6 Release 2 features

- UL MU-MIMO
- Dynamic MU SMPS

Wi-Fi CERTIFIED 7™

- BSS critical update
- Compressed Block Ack Rx (buffer size 256)
- Compressed Block Ack Tx (buffer size 256)
- Compressed Block Ack Rx (buffer size 512)
- Compressed Block Ack Tx (buffer size 512)
- 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
- Multi-RU
- Operating mode indication
- Static puncturing
- STR (Simultaneous Transmit and Receive)
- SU-MIMO
- Triggered uplink access optimization
- UL MU-MIMO
- UL OFDMA

Wi-Fi CERTIFIED™ a

Wi-Fi CERTIFIED™ ac

- DL MU-MIMO
- LDPC Rx

Wi-Fi CERTIFIED™ ac (continued)

- 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
- OBSS on Extension Channel
- Short Guard Interval

Wi-Fi Enhanced Open™ 2023-12

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