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: WFA127411

Product Info

Date of Certification	September 1, 2023
Company	Intel
Product Name	Intel® Wi-Fi 7 BE200
Product Model Variant	Linux - Core80 - Wi-Fi 7 prerequisites - Aug 2023
Model Number	BE200
Category	Computers & Accessories
Sub-category	External Adapter

Summary of Certifications

CLASSIFICATION	CERTIFICATION
Network management	WMM® WMM®-Power Save Wi-Fi Agile Multiband™
Security	Protected Management Frames WPA2™-Enterprise 2018-04 WPA2™-Personal 2021-01 WPA3™-Enterprise 2022-12 WPA3™-Personal 2022-06 Wi-Fi Enhanced Open™ 2021-01
Wi-Fi (MAC/PHY)	2.4 GHz Spectrum Capabilities 5 GHz Spectrum Capabilities 6 GHz Spectrum Capabilities Spectrum & Regulatory Wi-Fi CERTIFIED 6® Release 2 Wi-Fi CERTIFIED™ a Wi-Fi CERTIFIED™ ac Wi-Fi CERTIFIED™ b Wi-Fi CERTIFIED™ g Wi-Fi CERTIFIED™ n

Wi-Fi Components

Wi-Fi Component Operating System

Linux

Wi-Fi Component Firmware

Core80

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
160 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

Protected Management Frames

Spectrum & Regulatory

Spectrum & Regulatory (continued)

802.11d
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 2022-12

WPA3™-Enterprise 2022-12 (continued)

EAP methods

    EAP TLS

    EAP TTLS

    PEAPv0

192-bit security

    192-bit security RSA 3K with the TLS_DHE_RSA_WITH_AES_256_GCM_SHA384 cipher suite

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

Fast Transition OTA on WPA3-Enterprise

Server Certificate Validation

WPA3™-Personal 2022-06

Beacon Protection

Wi-Fi Agile Multiband™

Beacon Report Measurement Active Mode

Beacon Report Measurement Passive Mode

Fast Transition OTA on WPA2-Enterprise

Wi-Fi CERTIFIED 6® Release 2

A-MPDU with A-MSDU

Beamforming sounding

BSRP Trigger frame

Compressed Block Ack Rx (buffer size 256)

Compressed Block Ack Tx (buffer size 256)

DL MU-MIMO

HE NDP

LDPC Tx

LDPC Rx

MCS 10-11 Rx

Wi-Fi CERTIFIED 6® Release 2 (continued)

MCS 10-11 Tx

MCS 8-9 Rx

MCS 8-9 Tx

MU EDCA Parameter Set element

MU-BAR Trigger frame

MU-RTS Trigger frame

M-BSSID

Operating mode control field

Operating mode subfield in A-Control field

Operating mode indication

SU beamformee

SU-MIMO

UL OFDMA

Wi-Fi 6E

    Multiple M-BSSID

Wi-Fi 6 Release 2 features

    UL MU-MIMO

    UL MU Control

    UL Extended Range

    Broadcast Target Wake Time

    Dynamic MU SMPS

    M-BSSID control frames

    Preamble Puncturing

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

Wi-Fi CERTIFIED™ ac (continued)

LDPC Tx

SU beamformee

Wi-Fi CERTIFIED™ b

Wi-Fi CERTIFIED™ g

Wi-Fi CERTIFIED™ n

A-MPDU Tx

OBSS on Extension Channel

Power Management

Short Guard Interval

STBC

Wi-Fi Enhanced Open™ 2021-01