



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: WFA122279

Product Info

| | |
|------------------------------|----------------------------------|
| Date of Certification | September 25, 2023 |
| Company | MediaTek Inc. |
| Product Name | MediaTek Filogic-880-AP - MT7990 |
| Product Model Variant | EasyMesh |
| Model Number | MediaTek Filogic-880-AP - MT7990 |
| Category | Other |
| Sub-category | Embedded Module |

Summary of Certifications

| CLASSIFICATION | CERTIFICATION |
|-------------------------------|---|
| Access | Passpoint® Release 3 Wi-Fi Protected Setup™ |
| Alternative topologies | Wi-Fi EasyMesh™ |
| Network management | WMM® WMM®-Power Save Wi-Fi Agile Multiband™ Wi-Fi QoS Management™ |
| Security | Protected Management Frames WPA2™-Enterprise 2018-04 WPA2™-Personal 2021-01 WPA3™-Enterprise 2020-02 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® Wi-Fi CERTIFIED™ a |

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Summary of Certifications (continued)

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CLASSIFICATION

Wi-Fi (MAC/PHY)

CERTIFICATION

Wi-Fi CERTIFIED™ ac
Wi-Fi CERTIFIED™ b
Wi-Fi CERTIFIED™ g
Wi-Fi CERTIFIED™ n

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Role: Access Point

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Wi-Fi Components

Wi-Fi Component Operating System

Linux

Wi-Fi Component Firmware

Hostapd

RF Architecture

| Bands Supported | Transmit (Tx) | Receive (Rx) |
|-----------------|---------------|--------------|
| 2.4 GHz | 4 | 4 |
| 5 GHz | 4 | 4 |
| 6 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

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

Passpoint® Release 3

Online Sign Up and Policy provisioning
Online Sign Up using single SSID

Passpoint® Release 3 (continued)

Roaming Consortium Selection
Venue Information
Terms and Conditions

Protected Management Frames

Spectrum & Regulatory

802.11d
802.11h

WMM®

Max Throughput

WMM®-Power Save

Legacy Power Save
Unschedule auto PS

WPA2™-Enterprise 2018-04

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WPA2™-Enterprise 2018-04 (continued)

EAP methods

WPA2™-Personal 2021-01

WPA3™-Enterprise 2020-02

EAP methods

192-bit security

Fast Transition OTA on WPA3-Enterprise

Fast Transition OTA on WPA3-Enterprise transition mode

Fast Transition OTDS on WPA3-Enterprise

WPA3™-Personal 2022-06

Fast Transition OTA on WPA3-Personal

Fast Transition OTA on WPA3-Personal transition mode

Fast Transition OTDS on WPA3-Personal

Beacon Protection

SAE-Public Key

Wi-Fi Agile Multiband™

Fast Transition OTA on WPA2-Enterprise

Fast Transition OTA on WPA2-Personal

Wi-Fi CERTIFIED 6®

4 antenna support

A-MPDU with A-MSDU

Basic Trigger frame in HE MU PPDU

BSRP Trigger frame

Compressed Block Ack Rx (buffer size 256)

Compressed Block Ack Tx (buffer size 256)

Wi-Fi CERTIFIED 6® (continued)

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 EDCA Parameter Set element

MU-BAR Trigger frame

MU-RTS Trigger frame

M-BSSID

Operating mode subfield in A-Control field

Operating mode indication

Operating mode UL MU Rx

SU beamformer

SU-MIMO

TXOP RTS Threshold

UL OFDMA

Wi-Fi 6E

Co-located BSS

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

M-BSSID control frames

Preamble Puncturing

Wi-Fi CERTIFIED™ a

Wi-Fi CERTIFIED™ ac

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Wi-Fi CERTIFIED™ ac (continued)

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

Wi-Fi CERTIFIED™ b

Wi-Fi CERTIFIED™ g

Wi-Fi CERTIFIED™ n

A-MPDU Tx
HT Duplicate Mode
OBSS on Extension Channel
RIFS
Short Guard Interval
STBC

Wi-Fi EasyMesh™

Backhaul Link
 Backhaul in 2.4 GHz
 Backhaul in 5 GHz low band
 Backhaul in 5 GHz high band
 Backhaul over Ethernet
Fronthaul Access Point
 Fronthaul in 2.4 GHz
 Fronthaul in 5 GHz low band
 Fronthaul in 5 GHz high band

Wi-Fi EasyMesh™ (continued)

Service Prioritization and QoS
 C-TAG Service Prioritization
 Mirrored Stream Classification Service
 Stream Classification Service
 DSCP QoS Map
 DSCP Policy
Agent-initiated Steering capability
Backhaul onboarding with Wi-Fi Protected Setup pushbutton
Backhaul onboarding with Wi-Fi Easy Connect QR code
Channel Scan on Request
Coordinated CAC
Traffic separation
Unassociated STA Link Metrics Reporting
Indefinite/Timed Block of stations

Wi-Fi Enhanced Open™ 2021-01

Wi-Fi Protected Setup™

PIN
Pushbutton

Wi-Fi QoS Management™

Default DSCP to UP mapping
DSCP QoS Map
DSCP Policy
Mirrored Stream Classification Service
Stream Classification Service

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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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