



This certificate lists the features that have successfully completed Wi-Fi Alliance interoperability testing. Learn more: www.wi-fi.org

# **Certification ID: WFA114717**

### **Product Info**

**Date of Certification** January 28, 2022

Company MediaTek Inc.

Product Name KIWI

Product Model Variant MT7902

Model Number MT7902

**Category** Other

Sub-category Reference Design

## **Summary of Certifications**

CLASSIFICATION CERTIFICATION

Access Wi-Fi Protected Setup™

Alternative topologies Wi-Fi Direct®

Network management WMM®

WMM®-Power Save Wi-Fi Agile Multiband™

Security Protected Management Frames

WPA2<sup>™</sup>-Enterprise 2018-04 WPA2<sup>™</sup>-Personal 2021-01 WPA3<sup>™</sup>-Enterprise 2020-02 WPA3<sup>™</sup>-Personal 2020-12 Wi-Fi Enhanced Open<sup>™</sup> 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 Wi-Fi CERTIFIED™ ac Wi-Fi CERTIFIED™ b



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Summary of Certifications (continued)		Page 2 of 4
CLASSIFICATION	CERTIFICATION	
Wi-Fi (MAC/PHY)	Wi-Fi CERTIFIED™ g Wi-Fi CERTIFIED™ n	



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#### Wi-Fi Components

#### **Wi-Fi Component Operating System**

Windows 11

#### Wi-Fi Component Firmware

Windows

#### **RF Architecture**

Bands Supported	Transmit (Tx)	Receive (Rx)
2.4 GHz	1	1
5 GHz	1	1
6 GHz	1	1

#### 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

# WMM®

802.11h

# WMM®-Power Save

## WPA2™-Enterprise 2018-04

**Spectrum & Regulatory (continued)** 

EAP methods

EAP TLS

PEAPv0

## 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** 

### WPA2™-Personal 2021-01

## WPA3™-Enterprise 2020-02

EAP methods

EAP TLS

PEAPv0

Server Certificate Validation

WPA3™-Personal 2020-12



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#### Wi-Fi Agile Multiband™

Beacon Report Measurement Passive Mode

#### Wi-Fi CERTIFIED 6®

A-MPDU with A-MSDU

BSRP Trigger frame

Compressed Block Ack Rx (buffer size 256)

Compressed Block Ack Tx (buffer size 256)

DL MU-MIMO

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

SU beamformee

**UL OFDMA** 

Wi-Fi 6E

#### Wi-Fi CERTIFIED™ ac (continued)

**Short Guard Interval** 

LDPC Tx

SU beamformee

#### Wi-Fi CERTIFIED™ b

#### Wi-Fi CERTIFIED™ g

#### Wi-Fi CERTIFIED™ n

A-MPDU Tx

HT Duplicate Mode

**OBSS** on Extension Channel

**Power Management** 

Short Guard Interval

#### Wi-Fi Direct®

#### Wi-Fi Enhanced Open™ 2021-01

#### Wi-Fi Protected Setup™

PIN

Pushbutton

#### 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