



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

# **Certification ID: WFA103759**

## **Product Info**

Date of Certification May 18, 2021

Company MediaTek Inc.

Product Name MT7921K

Product Model Variant WPA3 update

Model Number MT7921K, RZ608

**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 2020-02

Wi-Fi (MAC/PHY) 2.4 GHz Spectrum Capabilities

5 GHz Spectrum Capabilities 6 GHz Spectrum Capabilities Spectrum & Regulatory

Spectrum & Regulatory Wi-Fi CERTIFIED 6® Wi-Fi CERTIFIED™ a Wi-Fi CERTIFIED™ b Wi-Fi CERTIFIED™ g



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



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**Wi-Fi Component Operating System** 

Windows 10

Wi-Fi Component Firmware

Windows

#### **RF Architecture**

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

#### Certifications

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

#### **Protected Management Frames**

## **Spectrum & Regulatory**

802.11h

# WMM®-Power Save

## WPA2™-Enterprise 2018-04

EAP methods
EAP TLS
PEAPv0

**WMM®** 

## WPA2™-Personal 2021-01

#### WPA3™-Enterprise 2020-02

EAP methods

EAP TLS

PEAPv0

Server Certificate Validation

#### WPA3™-Personal 2020-02

# Wi-Fi Agile Multiband™

Beacon Report Measurement Passive Mode



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#### 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

SU beamformee

**UL OFDMA** 

Wi-Fi 6E

#### Wi-Fi CERTIFIED™ a

## Wi-Fi CERTIFIED™ ac

Extended 5 GHz Channel Support

RTS with BW Signaling

A-MPDU with A-MSDU

DL MU-MIMO

LDPC Rx

MCS 8-9 Rx

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

Short Guard Interval

#### Wi-Fi Direct®

#### Wi-Fi Protected Setup™

PIN

Pushbutton