



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: WFA130163

Product Info

Date of Certification	October 21, 2024
Company	MediaTek Inc.
Product Name	MediaTek MT6653
Product Model Variant	NA
Model Number	MediaTek MT6653
Category	Phones
Sub-category	Smartphone

Summary of Certifications

CLASSIFICATION	CERTIFICATION
Access	Passpoint® Release 3 Wi-Fi Protected Setup™
Alternative topologies	TDLS Wi-Fi Direct®
Network management	WMM® WMM®-Admission Control WMM®-Power Save Wi-Fi Agile Multiband™ Wi-Fi Optimized Connectivity™ 2020 Wi-Fi QoS Management™
Performance	Voice-Enterprise
Security	Protected Management Frames WPA2™-Enterprise 2018-04 WPA2™-Personal 2021-01 WPA3™-Enterprise 2022-12 WPA3™-Personal 2022-06 WPA3™-Personal 2023-12 Wi-Fi Enhanced Open™ 2021-01 Wi-Fi Enhanced Open™ 2023-12

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Summary of Certifications (continued)

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CLASSIFICATION

Wi-Fi (MAC/PHY)

CERTIFICATION

2.4 GHz Spectrum Capabilities
5 GHz Spectrum Capabilities
6 GHz Spectrum Capabilities
Spectrum & Regulatory
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

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Wi-Fi Components

Wi-Fi Component Operating System

Android 15

Wi-Fi Component Firmware

15 AP3A.240905.015.A1 mp1cs1ofp63

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

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

WMM®

WMM®-Power Save

WMM®-Power Save (continued)

Legacy Power Save

Unschedule auto PS

WPA2™-Personal 2021-01

WPA3™-Personal 2022-06

Wi-Fi CERTIFIED 6® Release 2

A-MPDU with A-MSDU

LDPC Rx

LDPC Tx

MCS 8-9 Rx

MCS 8-9 Tx

MCS 10-11 Rx

MCS 10-11 Tx

SU-MIMO

Wi-Fi 6E

Wi-Fi 6 Release 2 features

UL Extended Range

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Role: Access Point

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Wi-Fi CERTIFIED™ ac

A-MPDU with A-MSDU
LDPC Rx
LDPC Tx
MCS 8-9 Rx
Short Guard Interval
STBC

Wi-Fi CERTIFIED™ b

Wi-Fi CERTIFIED™ g

Wi-Fi CERTIFIED™ n

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

Wi-Fi Enhanced Open™ 2021-01

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Wi-Fi CERTIFIED™ Certificate

Certification ID: WFA130163



Role: Station

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Wi-Fi Components

Wi-Fi Component Operating System

Android 15

Wi-Fi Component Firmware

15 AP3A.240905.015.A1 mp1cs1ofp63

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

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

320 MHz channel width in 6 GHz

Passpoint® Release 3

ANQP-element for OSU provider selection

Display and input method

Passpoint® Release 3 (continued)

Display of HS2.0 indication

Fast Transition OTA on WPA2-Enterprise

NAI Home Realm Query element

Network Information in network selection

Operating Class Indication

Roaming Consortium Selection

Terms and Conditions

Private and secure terms and conditions

Venue Information

Protected Management Frames

Spectrum & Regulatory

802.11h

TDLS

Voice-Enterprise

WMM®

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Role: Station

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WMM®-Admission Control

WMM®-Power Save

Legacy Power Save
Unschedule auto PS

WPA2™-Enterprise 2018-04

EAP methods
EAP AKA
EAP AKA Prime
EAP SIM
EAP TLS
EAP TTLS
PEAPv0
PEAPv1

WPA2™-Personal 2021-01

WPA3™-Enterprise 2022-12

EAP methods
EAP AKA
EAP AKA Prime
EAP SIM
EAP TLS
EAP TTLS
PEAPv0
PEAPv1
192-bit security
192-bit security RSA 3K with the
TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384
cipher suite
Fast Transition OTA on WPA3-Enterprise
Fast Transition OTA on WPA3-Enterprise transition mode
Fast Transition OTDS on WPA3-Enterprise
Server Certificate Validation

WPA3™-Personal 2023-12

AKM 24
AKM 25
Fast Transition OTA on WPA3-Personal
Fast Transition OTA on WPA3-Personal transition mode
Fast Transition OTDS on WPA3-Personal
Beacon Protection

Wi-Fi Agile Multiband™

ANQP
ANQP-based Neighbor report
Beacon Report Measurement Active Mode
Beacon Report Measurement Passive Mode
BTM Query
Cellular Data capable
Fast Transition OTA on WPA2-Personal
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
LDPC Tx
LDPC Rx
Individual Target Wake Time
MCS 10-11 Rx
MCS 10-11 Tx
MCS 8-9 Rx
MCS 8-9 Tx
MU EDCA Parameter Set element
MU-BAR Trigger frame

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Role: Station

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Wi-Fi CERTIFIED 6® Release 2 (continued)

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
 Target Wake Time information frames
 Broadcast Target Wake Time
 Dynamic MU SMPS
 M-BSSID control frames
 Preamble Puncturing

Wi-Fi CERTIFIED 7™ (continued)

LDPC Tx
Load Balancing in MLO
MCS 8-9 Rx
MCS 8-9 Tx
MCS 10-11 Rx
MCS 10-11 Tx
MCS 12-13 Rx
MCS 12-13 Tx
Multi-link reconfiguration – AP removal
Multi-link reconfiguration – AP restart
Multi-RU
Operating mode indication
 Operating mode indication for 320 MHz
Static puncturing
STR (Simultaneous Transmit and Receive)
SU-MIMO
Triggered uplink access optimization
UL MU-MIMO
UL OFDMA

Wi-Fi CERTIFIED 7™

Advertised TID-to-link mapping
A-MPDU with A-MSDU
Beamforming sounding
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
Dynamic MU SMPS
EMLSR (Enhanced Multilink Single-Radio)
EPCS (Emergency Preparedness Communications Services)
priority access
LDPC Rx

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
LDPC Tx
SU beamformee

Wi-Fi CERTIFIED™ b

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Role: Station

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Wi-Fi CERTIFIED™ g

Wi-Fi CERTIFIED™ n

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

Wi-Fi Direct®

Wi-Fi Direct with WPA2

Wi-Fi Enhanced Open™ 2023-12

Wi-Fi Optimized Connectivity™ 2020

Active Scan
FILS Shared Key Authentication
Fast Transition OTA on WPA2-Enterprise
Pushbutton
Probe Deferral and Suppression

Wi-Fi Protected Setup™

PIN
Pushbutton

Wi-Fi QoS Management™

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

Wi-Fi QoS Management™ (continued)

MSCS setup at association
Stream Classification Service

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