



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: WFA120654

Product Info

Date of Certification	January 5, 2024
Company	MediaTek Inc.
Product Name	MediaTek MT6639
Product Model Variant	WiFi 7
Model Number	MediaTek Dimensity 9200/9300
Category	Phones
Sub-category	Smartphone

Summary of Certifications

CLASSIFICATION	CERTIFICATION
Access	Passpoint® Release 3 Wi-Fi Easy Connect™ Wi-Fi Protected Setup™
Applications & Services	Voice-Enterprise Wi-Fi Aware™
Connectivity	2.4 GHz Spectrum Capabilities 5 GHz Spectrum Capabilities 6 GHz Spectrum Capabilities 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 Wi-Fi Direct® Wi-Fi Enhanced Open™ 2021-01 Wi-Fi Enhanced Open™ 2023-12
Optimization	TDLS WMM®



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Summary of Certifications (continued)

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CLASSIFICATION	CERTIFICATION
Optimization	WMM®-Admission Control WMM®-Power Save Wi-Fi Agile Multiband™ Wi-Fi Optimized Connectivity™ 2020 Wi-Fi QoS Management™
Security	Protected Management Frames WPA2™-Enterprise 2018-04 WPA2™-Personal 2021-01 WPA3™-Enterprise 2022-12 WPA3™-Personal 2022-06 WPA3™-Personal 2023-12
Spectrum & Regulatory Features	Spectrum & Regulatory



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Role: Access Point

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Wi-Fi Components

Wi-Fi Component Operating System

Android 14

Wi-Fi Component Firmware

Android U0

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

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

Wi-Fi 6E

Wi-Fi 6 Release 2 features

UL Extended Range

Wi-Fi CERTIFIED™ a

Wi-Fi CERTIFIED™ ac

A-MPDU with A-MSDU

LDPC Rx

LDPC Tx



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Wi-Fi CERTIFIED™ ac (continued)

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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Role: Station

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Wi-Fi Components

Wi-Fi Component Operating System

Android 14

Wi-Fi Component Firmware

Android U0

RF Architecture

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

Certifications

2.4 GHz Spectrum Capabilities

20 MHz Channel Width in 2.4 GHz

Passpoint® Release 3 (continued)

Roaming Consortium Selection

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

Protected Management Frames

Spectrum & Regulatory

802.11h

Passpoint® Release 3

Display and input method

Display of HS2.0 indication

NAI Home Realm Query element

Operating Class Indication

Network Icon support

Network Information in network selection

Online Sign Up and Policy provisioning

Fast Transition OTA on WPA2-Enterprise

ANQP-element for OSU provider selection

Online Sign Up using single SSID

Venue Information

Terms and Conditions

TDLS

Voice-Enterprise

WMM®

WMM®-Admission Control

WMM®-Power Save

WPA2™-Enterprise 2018-04

EAP methods

EAP AKA

EAP AKA Prime



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WPA2™-Enterprise 2018-04 (continued)

EAP SIM
EAP TLS
EAP TTLS
PEAPv0
PEAPv1

Wi-Fi Agile Multiband™

ANQP
Beacon Report Measurement Passive Mode
Cellular Data capable
Fast Transition OTA on WPA2-Personal
Fast Transition OTA on WPA2-Enterprise

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

Wi-Fi Aware™

Bluetooth® Low Energy - Browser
Bluetooth® Low Energy - Provider
Bluetooth® Low Energy - Seeker
Device Ranging
TCP/UDP NDP Initiator
TCP/UDP NDP Responder

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 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
DL MU PPDU multi-tone
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
MU-RTS Trigger frame
Operating mode control field



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Wi-Fi CERTIFIED 6® Release 2 (continued)

Operating mode subfield in A-Control field
 Operating mode indication
 SU beamformee
 SU-MIMO
 UL OFDMA
 UL TB PPDU multi-tone
 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)

MCS 10-11 Tx
 MCS 12-13 Rx
 MCS 12-13 Tx
 Multi-link reconfiguration – AP removal
 Multi-RU
 Operating mode indication
 Static puncturing
 STR (Simultaneous Transmit and Receive)
 SU-MIMO
 Triggered uplink access optimization
 UL MU-MIMO
 UL OFDMA

Wi-Fi CERTIFIED™ a

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
 EPCS (Emergency Preparedness Communications Services) priority access
 LDPC Rx
 LDPC Tx
 Load Balancing in MLO
 MCS 8-9 Rx
 MCS 8-9 Tx
 MCS 10-11 Rx

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

Wi-Fi CERTIFIED™ g

Wi-Fi CERTIFIED™ n

A-MPDU Tx



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Wi-Fi CERTIFIED™ n (continued)

HT Duplicate Mode
OBSS on Extension Channel
Short Guard Interval
STBC

Wi-Fi Direct®

Wi-Fi Easy Connect™

Bootstrapping methods
QR code responder

Wi-Fi Enhanced Open™ 2023-12

Wi-Fi Optimized Connectivity™ 2020

Fast Transition OTA on WPA2-Enterprise

Wi-Fi Protected Setup™

PIN
Pushbutton

Wi-Fi QoS Management™

Default DSCP to UP mapping
DSCP QoS Map
DSCP Policy
Mirrored Stream Classification Service
MSCS setup at association
Stream Classification Service