



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 ID: WFA117318

Product Info

Date of Certification	January 5, 2022
Company	Motorola Mobility LLC
Product Name	XT2201-3
Product Model Variant	XT2201-3 (Android 12.0)
Model Number	XT2201-3
Category	Phones
Sub-category	Smartphone

Summary of Certifications

CLASSIFICATION	CERTIFICATION
Access	Wi-Fi Protected Setup™
Alternative topologies	Wi-Fi Direct®
Applications	Miracast®
Network management	WMM® WMM®-Admission Control WMM®-Power Save Wi-Fi Agile Multiband™
Performance	Voice-Enterprise
Security	Protected Management Frames WPA2™-Enterprise 2018-04 WPA2™-Personal 2021-01 WPA3™-Enterprise 2020-02 WPA3™-Personal 2020-12 Wi-Fi Enhanced Open™ 2021-01
Wi-Fi (MAC/PHY)	2.4 GHz Spectrum Capabilities 5 GHz Spectrum Capabilities 6 GHz Spectrum Capabilities

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Summary of Certifications (continued)

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CLASSIFICATION

CERTIFICATION

Wi-Fi (MAC/PHY)

Wi-Fi CERTIFIED 6®
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 12

Wi-Fi Component Firmware

HSP.2.0

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

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

Protected Management Frames

WMM®

WPA2™-Personal 2021-01

WPA3™-Personal 2020-12

Wi-Fi CERTIFIED 6®

A-MPDU with A-MSDU

LDPC Rx

LDPC Tx

MCS 8-9 Rx

MCS 8-9 Tx

Wi-Fi CERTIFIED™ a

Wi-Fi CERTIFIED™ ac

A-MPDU with A-MSDU

LDPC Rx

LDPC Tx

MCS 8 Rx

MCS 8-9 Rx

Short Guard Interval

STBC

Wi-Fi CERTIFIED™ b

Wi-Fi CERTIFIED™ g

Wi-Fi CERTIFIED™ n

OBSS on Extension Channel

Short Guard Interval

STBC

A-MPDU Tx

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Role: Station

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Wi-Fi Components

Wi-Fi Component Operating System

Android 12

Wi-Fi Component Firmware

HSP.2.0

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

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

Voice-Enterprise

WMM®

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 2020-02

EAP methods
EAP AKA
EAP AKA Prime
EAP SIM

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Role: Station

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WPA3™-Enterprise 2020-02 (continued)

- EAP TLS
- EAP TTLS
- PEAPv0
- PEAPv1
- 192-bit security
- Server Certificate Validation

WPA3™-Personal 2020-12

Wi-Fi Agile Multiband™

- ANQP
- ANQP-based Neighbor report
- Beacon Report Measurement Active Mode
- Beacon Report Measurement Passive Mode
- BTM Query
- Cellular Data capable

Wi-Fi CERTIFIED 6®

- 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
- HE NDP
- 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

Wi-Fi CERTIFIED 6® (continued)

- MU-BAR Trigger frame
- 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

Wi-Fi CERTIFIED™ a

Wi-Fi CERTIFIED™ ac

- 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

- STBC
- A-MPDU Tx
- OBSS on Extension Channel
- Power Management

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Role: Station

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Wi-Fi CERTIFIED™ n (continued)

Short Guard Interval

Wi-Fi Direct®

Wi-Fi Enhanced Open™ 2021-01

Wi-Fi Protected Setup™

PIN

Pushbutton

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Role: Source

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Wi-Fi Components

Wi-Fi Component Operating System

Android 12

Wi-Fi Component Firmware

HSP.2.0

RF Architecture

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Certifications

Miracast®

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