



# 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](http://www.wi-fi.org/certification/programs)

**Certification ID: WFA132048**

## Product Info

Date of Certification	July 23, 2024
Company	Zebra Technologies
Product Name	MC3400
Product Model Variant	2024-07-23
Model Number	MC3400
Category	Phones
Sub-category	Smartphone

## Summary of Certifications

CLASSIFICATION	CERTIFICATION
Access	Passpoint® Release 3
Applications & Services	Voice-Enterprise
Connectivity	2.4 GHz Spectrum Capabilities 5 GHz Spectrum Capabilities 6 GHz Spectrum Capabilities Wi-Fi CERTIFIED 6® Release 2 Wi-Fi CERTIFIED™ a Wi-Fi CERTIFIED™ ac Wi-Fi CERTIFIED™ b Wi-Fi CERTIFIED™ g Wi-Fi CERTIFIED™ n Wi-Fi Enhanced Open™ 2021-01
Optimization	WMM® WMM®-Admission Control WMM®-Power Save Wi-Fi Agile Multiband™ Wi-Fi Optimized Connectivity™ 2020 Wi-Fi QoS Management™
Security	Protected Management Frames



# Wi-Fi CERTIFIED™ Certificate

Certification ID: WFA132048



## Summary of Certifications (continued)

Page 2 of 5

CLASSIFICATION	CERTIFICATION
Security	WPA2™-Enterprise 2018-04 WPA2™-Personal 2021-01 WPA3™-Enterprise 2022-12 WPA3™-Personal 2022-06
Spectrum & Regulatory Features	Spectrum & Regulatory



# Wi-Fi CERTIFIED™ Certificate

Certification ID: WFA132048



Role: Station

Page 3 of 5

## Wi-Fi Components

### Wi-Fi Component Operating System

Android 13

### Wi-Fi Component Firmware

1.1.5.0.416.1

### 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

### Passpoint® Release 3

ANQP-element for OSU provider selection

Display and input method

Display of HS2.0 indication

### Passpoint® Release 3 (continued)

Fast Transition OTA on WPA2-Enterprise

NAI Home Realm Query element

Network Information in network selection

Operating Class Indication

Roaming Consortium Selection

SIM credentials

Terms and Conditions

Private and secure terms and conditions

USIM Credentials

Venue Information

Private and secure Venue Information

### Protected Management Frames

### Spectrum & Regulatory

802.11d

802.11h

### Voice-Enterprise

### WMM®



# Wi-Fi CERTIFIED™ Certificate

Certification ID: WFA132048



Role: Station

Page 4 of 5

## 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 2022-06

Fast Transition OTA on WPA3-Personal  
Fast Transition OTA on WPA3-Personal transition mode  
Fast Transition OTDS on WPA3-Personal  
SAE-Public Key  
Operating Channel Validation

## 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  
DL MU PPDU multi-tone  
HE NDP  
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



# Wi-Fi CERTIFIED™ Certificate

Certification ID: WFA132048



Role: Station

Page 5 of 5

## Wi-Fi CERTIFIED 6® Release 2 (continued)

- MU-BAR Trigger frame
- MU-RTS Trigger frame
- Operating mode control field
- Operating mode subfield in A-Control field
- Operating mode indication
- SU beamformee
- SU-MIMO
- UL OFDMA
- UL TB PPDU multi-tone
- 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
  - M-BSSID control frames

## 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
- STBC
- LDPC Tx
- SU beamformee

## Wi-Fi CERTIFIED™ b

## Wi-Fi CERTIFIED™ g

## Wi-Fi CERTIFIED™ n

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

## Wi-Fi Enhanced Open™ 2021-01

## Wi-Fi Optimized Connectivity™ 2020

- Active Scan
- Fast Transition OTA on WPA2-Enterprise
- Pushbutton

## Wi-Fi QoS Management™

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