# 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: WFA132258

## Product Info

| | |
|---|---|
| Date of Certification | September 26, 2024 |
| Company | Sonim Technologies, Inc. |
| Product Name | 5G Feature Phone |
| Product Model Variant | X320(1403) |
| Model Number | X320 |
| Category | Phones |
| Sub-category | Smartphone |

## Summary of Certifications

| CLASSIFICATION | CERTIFICATION |
|---|---|
| Access | Passpoint® Release 3<br>Wi-Fi Protected Setup™ |
| Applications & Services | Voice-Enterprise<br>Wi-Fi Location™ |
| Connectivity | 2.4 GHz Spectrum Capabilities<br>5 GHz Spectrum Capabilities<br>Wi-Fi CERTIFIED™ a<br>Wi-Fi CERTIFIED™ ac<br>Wi-Fi CERTIFIED™ b<br>Wi-Fi CERTIFIED™ g<br>Wi-Fi CERTIFIED™ n<br>Wi-Fi Direct® |
| Optimization | WMM®<br>WMM®-Admission Control<br>WMM®-Power Save |
| Security | Protected Management Frames<br>WPA2™-Enterprise 2018-04<br>WPA2™-Personal 2021-01<br>WPA3™-Enterprise 2022-12 |

| CLASSIFICATION | CERTIFICATION |
|---|---|
| Security | WPA3™-Personal 2023-12 |

# Wi-Fi CERTIFIED™ Certificate

## Certification ID: WFA132258

## Wi-Fi Components

### Wi-Fi Component Operating System

Android

### Wi-Fi Component Firmware

3.4.3.0.488.0

### RF Architecture

| Bands Supported | Transmit (Tx) | Receive (Rx) |
|---|---|---|
| 2.4 GHz | 1 | 1 |
| 5 GHz | 1 | 1 |

## Certifications

### 2.4 GHz Spectrum Capabilities

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

### Protected Management Frames

### WMM®

### WPA2™-Personal 2021-01

### WPA3™-Personal 2023-12

### Wi-Fi CERTIFIED™ a

### Wi-Fi CERTIFIED™ ac

A-MPDU with A-MSDU
LDPC Rx

### Wi-Fi CERTIFIED™ ac (continued)

LDPC Tx
MCS 8-9 Rx
Short Guard Interval

### 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

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### 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

### Passpoint® Release 3

ANQP-element for OSU provider selection
Roaming Consortium Selection
Terms and Conditions
   Private and secure terms and conditions
Venue Information

### 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 2022-12

EAP methods
   EAP AKA
   EAP AKA Prime

### WPA3™-Enterprise 2022-12 (continued)

EAP SIM

EAP TLS

EAP TTLS

PEAPv0

PEAPv1

Server Certificate Validation

### WPA3™-Personal 2023-12

### Wi-Fi CERTIFIED™ a

### Wi-Fi CERTIFIED™ ac

A-MPDU with A-MSDU

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

HT Duplicate Mode

OBSS on Extension Channel

Short Guard Interval

STBC

### Wi-Fi Direct®

### Wi-Fi Direct® (continued)

Wi-Fi Direct with WPA2

### Wi-Fi Location™

Fine Timing Measurement 2017

### Wi-Fi Protected Setup™

PIN