



# 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: WFA113061**

## Product Info

Date of Certification	August 24, 2021
Company	FCNT LLC
Product Name	F-51B
Product Model Variant	F-51B
Model Number	F-51B
Category	Phones
Sub-category	Smartphone

## Summary of Certifications

CLASSIFICATION	CERTIFICATION
Access	Passpoint® Release 3 Wi-Fi Protected Setup™
Applications & Services	Miracast®
Connectivity	2.4 GHz Spectrum Capabilities 5 GHz Spectrum Capabilities 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
Optimization	TDLS WMM® WMM®-Power Save
Security	Protected Management Frames WPA2™-Enterprise 2018-04 WPA2™-Personal 2021-01 WPA3™-Enterprise 2020-02



# Wi-Fi CERTIFIED™ Certificate

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## Summary of Certifications (continued)

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### CLASSIFICATION

### CERTIFICATION

Security

WPA3™-Personal 2020-02  
WPA™-Enterprise  
WPA™-Personal



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Role: Access Point

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## Wi-Fi Components

### Wi-Fi Component Operating System

Android Version 11

### Wi-Fi Component Firmware

VXXR0XX

### RF Architecture

Bands Supported	Transmit (Tx)	Receive (Rx)
2.4 GHz	1	1

## Certifications

### 2.4 GHz Spectrum Capabilities

20 MHz Channel Width in 2.4 GHz

### Protected Management Frames

### WMM®

### WPA2™-Personal 2021-01

### WPA3™-Personal 2020-02

### Wi-Fi CERTIFIED™ b

### Wi-Fi CERTIFIED™ g

### Wi-Fi CERTIFIED™ n

Short Guard Interval  
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 Version 11

### Wi-Fi Component Firmware

VXXR0XX

### 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

### 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

Display and input method

Display of HS2.0 indication

Operating Class Indication

SIM credentials

USIM Credentials

Network Icon support

Network Information in network selection

Online Sign Up and Policy provisioning

Online Sign Up using single SSID

Venue Information

Terms and Conditions

Roaming Consortium Selection

### Protected Management Frames

#### TDLS

#### WMM®

#### WMM®-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



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Role: Station

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## WPA3™-Enterprise 2020-02 (continued)

### 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

Server Certificate Validation

## Wi-Fi CERTIFIED™ n

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

## Wi-Fi Direct®

## Wi-Fi Enhanced Open™ 2021-01

## Wi-Fi Protected Setup™

Pushbutton

## WPA3™-Personal 2020-02

## WPA™-Enterprise

## WPA™-Personal

## Wi-Fi CERTIFIED™ a

## Wi-Fi CERTIFIED™ ac

- A-MPDU with A-MSDU
- DL MU-MIMO
- MCS 8-9 Rx
- Short Guard Interval
- STBC
- LDPC Tx
- SU beamformee

## Wi-Fi CERTIFIED™ b

## Wi-Fi CERTIFIED™ g



# Wi-Fi CERTIFIED™ Certificate

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Role: Source

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## Wi-Fi Components

### Wi-Fi Component Operating System

Android Version 11

### Wi-Fi Component Firmware

VXXR0XX

### RF Architecture

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

## Certifications

### Miracast®

HDCP Encryption