



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: WFA102235

Product Info

Date of Certification	October 9, 2020
Company	FCNT LIMITED
Product Name	FMP181L
Product Model Variant	2020-10-09 (WFA102235 - merged)
Model Number	FMP181L
Category	Phones
Sub-category	Smartphone, multi-mode (Wi-Fi and other)

Summary of Certifications

CLASSIFICATION	CERTIFICATION
Access	Passpoint® Release 2 Wi-Fi Easy Connect™ Wi-Fi Protected Setup™
Applications & Services	Miracast® Wi-Fi Direct®
Connectivity	2.4 GHz Spectrum Capabilities 5 GHz Spectrum Capabilities Wi-Fi CERTIFIED 6™ Wi-Fi CERTIFIED™ a Wi-Fi CERTIFIED™ ac Wi-Fi CERTIFIED™ b Wi-Fi CERTIFIED™ g Wi-Fi CERTIFIED™ n Wi-Fi Enhanced Open™ 2018-04
Optimization	WMM® WMM®-Power Save Wi-Fi Agile Multiband™
Security	Protected Management Frames WPA2™-Enterprise 2018-04



Wi-Fi CERTIFIED™ Certificate

Certification ID: WFA102235



Summary of Certifications (continued)

Page 2 of 8

CLASSIFICATION

CERTIFICATION

Security

WPA2™-Personal 2018-04
WPA3™-Enterprise 2018-04
WPA3™-Personal 2019-08
WPA™-Enterprise
WPA™-Personal



Wi-Fi CERTIFIED™ Certificate

Certification ID: WFA102235



Role: Access Point

Page 3 of 8

Wi-Fi Components

Wi-Fi Component Operating System

Android, version:10

Wi-Fi Component Firmware

V01R008A

RF Architecture

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

Certifications

2.4 GHz Spectrum Capabilities

20 MHz Channel Width in 2.4 GHz

40 MHz Channel Width in 2.4 GHz

Protected Management Frames

WMM®

WPA2™-Personal 2018-04

WPA3™-Personal 2019-08

Wi-Fi CERTIFIED™ b

Wi-Fi CERTIFIED™ g

Wi-Fi CERTIFIED™ n

Short Guard Interval

STBC

A-MPDU Tx

Wi-Fi Enhanced Open™ 2018-04



Wi-Fi CERTIFIED™ Certificate

Certification ID: WFA102235



Role: Station

Page 4 of 8

Wi-Fi Components

Wi-Fi Component Operating System

Android, version:10

Wi-Fi Component Firmware

V01R008A

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
 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

Passpoint® Release 2

Display of HS2.0 indication
 Network Icon support
 Network Information in network selection
 Operating Class Indication
 Online Sign Up and Policy provisioning
 SIM credentials

Protected Management Frames

WMM®

WMM®-Power Save

WPA2™-Enterprise 2018-04

EAP methods
 EAP AKA
 EAP AKA Prime
 EAP SIM
 EAP TLS
 EAP TTLS
 PEAPv0
 PEAPv1

WPA2™-Personal 2018-04

WPA3™-Enterprise 2018-04

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



Wi-Fi CERTIFIED™ Certificate

Certification ID: WFA102235



Role: Station

Page 5 of 8

WPA3™-Personal 2019-08

WPA™-Enterprise

WPA™-Personal

Wi-Fi Agile Multiband™

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

Wi-Fi CERTIFIED 6™

A-MPDU with A-MSDU
BSRP Trigger frame
Compressed BlockACK Rx
Compressed BlockACK Tx
DL Mu PPDU multi-tone
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
MU-BAR Trigger frame
MU-RTS Trigger frame
OM Control field Tx
OM subfield in A-Control field
Operating Mode Tx
SU beamformee

Wi-Fi CERTIFIED 6™ (continued)

UL OFDMA
UL TB PPDU multi-tone

Wi-Fi CERTIFIED™ a

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

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

Wi-Fi Direct®

Wi-Fi Easy Connect™

Bootstrapping methods
QR code



Wi-Fi CERTIFIED™ Certificate

Certification ID: WFA102235



Role: Station

Page 6 of 8

Wi-Fi Easy Connect™ (continued)

Public Key Exchange (PKEX)
STATUS_RESPONSE_PENDING

Wi-Fi Enhanced Open™ 2018-04

Wi-Fi Protected Setup™

Pushbutton



Wi-Fi CERTIFIED™ Certificate

Certification ID: WFA102235



Role: Configurator

Page 7 of 8

Wi-Fi Components

Wi-Fi Component Operating System

Android, version:10

Wi-Fi Component Firmware

V01R008A

RF Architecture

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

Certifications

Wi-Fi Easy Connect™



Wi-Fi CERTIFIED™ Certificate

Certification ID: WFA102235



Role: Source

Page 8 of 8

Wi-Fi Components

Wi-Fi Component Operating System

Android, version:10

Wi-Fi Component Firmware

V01R008A

RF Architecture

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

Certifications

Miracast®