



This certificate lists the features that have successfully completed Wi-Fi Alliance interoperability testing. Learn more: www.wi-fi.org/certification/programs

Certification ID: WFA126967

Product Info

Date of Certification August 8, 2023

Company CROSSCALL

Product Name Stellar-X5

Product Model Variant Add WMMAC&VE

Model Number Stellar-X5

Category Phones

Sub-category Smartphone

Summary of Certifications

CLASSIFICATION CERTIFICATION

Access Passpoint® Release 3

Wi-Fi Easy Connect™ Wi-Fi Protected Setup™

Applications & Services Voice-Enterprise

Connectivity 2.4 GHz Spectrum Capabilities

5 GHz Spectrum Capabilities6 GHz Spectrum Capabilities

Wi-Fi CERTIFIED 6®
Wi-Fi CERTIFIED™ a
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®-Admission Control

WMM®-Power Save Wi-Fi Agile Multiband™





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Summary of Certifications (continued) Page 2 of 8		
CLASSIFICATION	CERTIFICATION	
Optimization	Wi-Fi Optimized Connectivity™ 2020 Wi-Fi QoS Management™	
Security	Protected Management Frames WPA2™-Enterprise 2018-04 WPA2™-Personal 2021-01 WPA3™-Enterprise 2022-12 WPA3™-Personal 2022-06 WPA™-Enterprise WPA™-Personal	



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Role: Access Point Page 3 of 8

Wi-Fi Components

Wi-Fi Component Operating System

Android 13

Wi-Fi Component Firmware

WLAN.MSL.1.0.1-01264-QCAMSLSWPLZ-1

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

Wi-Fi CERTIFIED 6® (continued)

A-MPDU with A-MSDU

LDPC Rx

LDPC Tx

MCS 8-9 Rx

MCS 8-9 Tx

MCS 10-11 Rx

MCS 10-11 Tx

Wi-Fi CERTIFIED™ a

Protected Management Frames

WMM®

WMM®-Power Save

Unschedule auto PS

WPA2™-Personal 2021-01

WPA3™-Personal 2022-06

Wi-Fi CERTIFIED 6®

Wi-Fi CERTIFIED™ ac

A-MPDU with A-MSDU

LDPC Rx

LDPC Tx

MCS 8-9 Rx

Short Guard Interval

STBC

Wi-Fi CERTIFIED™ b

Wi-Fi CERTIFIED™ g

Wi-Fi CERTIFIED™ n





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Wi-Fi CERTIFIED™ n (continued) OBSS on Extension Channel Short Guard Interval STBC	OBSS on Extension Channel Short Guard Interval
Short Guard Interval	Short Guard Interval
STBC	STBC



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Role: Station Page 5 of 8

Wi-Fi Components

Wi-Fi Component Operating System

Android 13

Wi-Fi Component Firmware

WLAN.MSL.1.0.1-01264-QCAMSLSWPLZ-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 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 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

Display of HS2.0 indication

NAI Home Realm Query element

Passpoint® Release 3 (continued)

Network Information in network selection
Operating Class Indication
Roaming Consortium Selection

Terms and Conditions

Venue Information

Protected Management Frames

TDLS

Voice-Enterprise

WMM®

WMM®-Admission Control

WMM®-Power Save

Legacy Power Save Unschedule auto PS

WPA2™-Enterprise 2018-04





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Role: Station Page 6 of 8

WPA2[™]-Enterprise 2018-04 (continued)

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

Server Certificate Validation

WPA3™-Personal 2022-06

WPA™-Enterprise

WPA™-Personal

Wi-Fi Agile Multiband™

ANQP

ANQP-based Neighbor report

Wi-Fi Agile Multiband™ (continued)

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)

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

MU-BAR Trigger frame

MU-RTS Trigger frame

OM Control field Tx

OM 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 CERTIFIED™ a

Wi-Fi CERTIFIED™ ac



Wi Fi

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Wi-Fi CERTIFIED™ ac (continued)

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

Power Management

Short Guard Interval

STBC

Wi-Fi Direct®

Wi-Fi Easy Connect™

Bootstrapping methods

QR code responder

Public Key Exchange (PKEX)

Wi-Fi Enhanced Open™ 2021-01

Wi-Fi Optimized Connectivity™ 2020

Pushbutton

Wi-Fi Protected Setup™

PIN

Pushbutton

Wi-Fi QoS Management™

Default DSCP to UP mapping

DSCP QoS Map

Mirrored Stream Classification Service

MSCS setup at association





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Role: Configurator	Page 8 of 8		
Wi-Fi Components			
Wi-Fi Component Operating System	RF Architecture		
Android 13	Bands Supported	Transmit (Tx)	Receive (Rx)
Wi-Fi Component Firmware WLAN.MSL.1.0.1-01264-QCAMSLSWPLZ-1	2.4 GHz	2	2
WEAN.MOE. 1.0. 1-01204-QUAMOEUWI EZ-1	5 GHz	2	2
Certifications Wi-Fi Easy Connect™ Provisioning Configurator			