

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: WFA81312

Product Info

Date of Certification November 1, 2019

Company Samsung Electronics

Product Name SM-G970XU

Product Model Variant 2019-11-01 (WFA81312 - 9926201)

Model Number SM-G970XU

Category Phones

Sub-category Smartphone

Summary of Certifications

CLASSIFICATION CERTIFICATION

Alternative topologies Wi-Fi Direct®

Network management WMM®

WMM®-Admission Control

WMM®-Power Save Wi-Fi Agile Multiband™

Wi-Fi Optimized Connectivity™ 2018

Performance Voice-Enterprise

Security Protected Management Frames

WPA2[™]-Enterprise 2018-04 WPA2[™]-Personal 2018-04 WPA3[™]-Enterprise 2018-04 WPA3[™]-Personal 2019-08 Wi-Fi Enhanced Open[™] 2018-04

Wi-Fi (MAC/PHY) 2.4 GHz Spectrum Capabilities

5 GHz Spectrum Capabilities

Spectrum & Regulatory Wi-Fi CERTIFIED 6® Wi-Fi CERTIFIED™ a Wi-Fi CERTIFIED™ ac



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Summary of Certifications (continued)		Page 2 of 4
CLASSIFICATION	CERTIFICATION	
Wi-Fi (MAC/PHY)	Wi-Fi CERTIFIED™ b Wi-Fi CERTIFIED™ g Wi-Fi CERTIFIED™ n	



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Role: Station	Page 3 of 4	
Wi-Fi Components		
Wi-Fi Component Operating System	RF Architecture	
Android, version:10.0	Bands Supported Transmit (Tx) Receive (Rx)	
Wi-Fi Component Firmware	2.4 GHz 2 2	
100.11.3.1 13.48.6	5 GHz 2 2	
Certifications		
2.4 GHz Spectrum Capabilities	WPA2™-Enterprise 2018-04 (continued)	
20 MHz Channel Width in 2.4 GHz	EAP TLS	
5 GHz Spectrum Capabilities	WPA2™-Personal 2018-04	
20 MHz Channel Width in 5 GHz	WPA3™-Enterprise 2018-04	
40 MHz Channel Width in 5 GHz 80 MHz Channel Width in 5 GHz	EAP TLS	
Protected Management Frames	WPA3™-Personal 2019-08	
Spectrum & Regulatory	Wi-Fi Agile Multiband™	
Voice-Enterprise	Wi-Fi CERTIFIED 6®	
WMM®	A-MPDU with A-MSDU	
WMM®-Admission Control	BSRP Trigger frame DL MU-MIMO	
	Individual Target Wake Time	
WMM®-Power Save	LDPC Tx	
WPA2™-Enterprise 2018-04	MCS 8-9 Rx MCS 8-9 Tx	
EAP methods	MCS 10-11 Rx	



Wi-Fi Optimized Connectivity™ 2018

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Role: Station Page 4 of 4 Wi-Fi CERTIFIED 6® (continued) MCS 10-11 Tx MU EDCA Parameter Set element MU-BAR Trigger frame MU-RTS Trigger frame M-BSSID Operating mode control field Operating mode indication SU beamformee **UL OFDMA** Wi-Fi CERTIFIED™ a Wi-Fi CERTIFIED™ ac Short Guard Interval Wi-Fi CERTIFIED™ b Wi-Fi CERTIFIED™ g Wi-Fi CERTIFIED™ n Wi-Fi Direct® Wi-Fi Enhanced Open™ 2018-04