



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

Certification ID: WFA109493

Product Info

Date of Certification	December 17, 2020
Company	Samsung Electronics
Product Name	SM-G998N
Product Model Variant	V1
Model Number	SM-G998N
Category	Phones
Sub-category	Smartphone

Summary of Certifications

CLASSIFICATION	CERTIFICATION
Access	Wi-Fi Protected Setup™
Applications & Services	Voice-Enterprise Wi-Fi Aware™
Connectivity	2.4 GHz Spectrum Capabilities 5 GHz Spectrum Capabilities 6 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 Direct® Wi-Fi Enhanced Open™ 2020-02
Optimization	WMM® WMM®-Admission Control WMM®-Power Save Wi-Fi Agile Multiband™ Wi-Fi Optimized Connectivity™ 2018



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Summary of Certifications (continued) Page 2 of 5		Page 2 of 5
CLASSIFICATION	CERTIFICATION	
Security	Protected Management Frames WPA2 [™] -Enterprise 2018-04 WPA2 [™] -Personal 2020-02 WPA3 [™] -Enterprise 2020-02 WPA3 [™] -Personal 2020-12 WPA [™] -Enterprise	
Spectrum & Regulatory Features	Spectrum & Regulatory	



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Role: Access Point Page 3 of 9		age 3 of 5	
Wi-Fi Components			
Wi-Fi Component Operating System	RF Architecture		
Android, version:11.0	Bands Supported	Transmit (Tx)	Receive (Rx)
Wi-Fi Component Firmware	2.4 GHz	2	2
20.25.324.4	5 GHz	2	2
Certifications			
2.4 GHz Spectrum Capabilities	Wi-Fi CERTIFIED	Wi-Fi CERTIFIED 6® (continued)	

20 MHz Channel Width in 2.4 GHz SU-MIMO **UL OFDMA 5 GHz Spectrum Capabilities** Wi-Fi CERTIFIED™ a 20 MHz Channel Width in 5 GHz 40 MHz Channel Width in 5 GHz Wi-Fi CERTIFIED™ ac 80 MHz Channel Width in 5 GHz A-MPDU with A-MSDU LDPC Rx **Protected Management Frames** LDPC Tx MCS 8-9 Rx WMM® Short Guard Interval SU beamformer

WPA2[™]-Personal 2020-02

WPA3[™]-Personal 2020-12

Wi-Fi Agile Multiband™

Wi-Fi CERTIFIED 6®

DL OFDMA Individual Target Wake Time Operating Mode indication

Wi-Fi CERTIFIED™ b

Wi-Fi CERTIFIED™ g

Wi-Fi CERTIFIED™ n

OBSS on Extension Channel Short Guard Interval A-MPDU Tx



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Role: Station

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Wi-Fi Components			
Wi-Fi Component Operating System	RF Architecture		
Android, version:11.0	Bands Supported	Transmit (Tx)	Receive (Rx)
Wi-Fi Component Firmware 20.25.324.4	2.4 GHz	2	2
20.20.027.7	5 GHz	2	2
	6 GHz	2	2

Certifications

2.4 GHz Spectrum Capabilities	WMM®-Admission Control
20 MHz Channel Width in 2.4 GHz	WMM®-Power Save
5 GHz Spectrum Capabilities	WPA2™-Enterprise 2018-04
20 MHz Channel Width in 5 GHz 40 MHz Channel Width in 5 GHz	EAP methods
80 MHz Channel Width in 5 GHz	WPA2™-Personal 2020-02
6 GHz Spectrum Capabilities	WPA3™-Enterprise 2020-02
20 MHz Channel Width in 6 GHz 40 MHz Channel Width in 6 GHz	EAP methods
80 MHz Channel Width in 6 GHz	WPA3™-Personal 2020-12
Protected Management Frames	WPA™-Enterprise
Spectrum & Regulatory	Wi-Fi Agile Multiband™
Voice-Enterprise	Beacon Report Measurement Active Mode Beacon Report Measurement Passive Mode
WMM®	BTM Query Cellular Data capable



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Role: Station

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Wi-Fi Agile Multiband[™] (continued) Fast Transition OTA on WPA2-Personal Fast Transition OTA on WPA2-Enterprise

LDPC Tx

MCS 8-9 Rx

Wi-Fi CERTIFIED™ b

Wi-Fi CERTIFIED 6®

Wi-Fi Aware™

A-MPDU with A-MSDU Beamforming sounding BSRP Trigger frame DL Mu PPDU multi-tone DL MU-MIMO 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 Operating Mode indication SU beamformee UL OFDMA UL TB PPDU multi-tone Wi-Fi 6E

Wi-Fi CERTIFIED™ a

Wi-Fi CERTIFIED™ ac

A-MPDU with A-MSDU LDPC Rx Wi-Fi CERTIFIED™ g

Wi-Fi CERTIFIED™ n

Wi-Fi Direct®

Wi-Fi Enhanced Open™ 2020-02

Wi-Fi CERTIFIED™ ac (continued)

Wi-Fi Optimized Connectivity[™] 2018

Fast Transition OTA on WPA2-Enterprise

Wi-Fi Protected Setup™

PIN