



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 ID: WFA81108

Product Info

Date of Certification	October 29, 2019
Company	Samsung Electronics
Product Name	SM-G970U
Product Model Variant	2019-10-29 (WFA81108 - 9912422)
Model Number	SM-G970U
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 2018-04 Wi-Fi Enhanced Open™ 2018-04
Wi-Fi (MAC/PHY)	2.4 GHz Spectrum Capabilities 5 GHz Spectrum Capabilities Spectrum & Regulatory Wi-Fi CERTIFIED™ a Wi-Fi CERTIFIED™ ac Wi-Fi CERTIFIED™ b

This certificate was downloaded on **2025-12-15** at **09:38:31** UTC

Wi-Fi®, Wi-Fi CERTIFIED®, Wi-Fi Alliance®, the Wi-Fi logo, the Wi-Fi CERTIFIED logo, and [other marks](#) are trademarks of Wi-Fi Alliance. Matter™ is a trademark of the Connectivity Standards Alliance.



Wi-Fi CERTIFIED® Certificate

Certification ID: WFA81108



Summary of Certifications (continued)

Page 2 of 4

CLASSIFICATION

CERTIFICATION

Wi-Fi (MAC/PHY)

Wi-Fi CERTIFIED™ g

Wi-Fi CERTIFIED™ n

This certificate was downloaded on **2025-12-15** at **09:38:31** UTC

Wi-Fi®, Wi-Fi CERTIFIED®, Wi-Fi Alliance®, the Wi-Fi logo, the Wi-Fi CERTIFIED logo, and [other marks](#) are trademarks of Wi-Fi Alliance. Matter™ is a trademark of the Connectivity Standards Alliance.



Wi-Fi CERTIFIED® Certificate

Certification ID: WFA81108



Role: Station

Page 3 of 4

Wi-Fi Components

Wi-Fi Component Operating System

Android, version:10.0

Wi-Fi Component Firmware

100.11.3.1 13.48.6

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

WPA2™-Enterprise 2018-04 (continued)

EAP TLS

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

WPA2™-Personal 2018-04

WPA3™-Enterprise 2018-04

EAP TLS

Protected Management Frames

WPA3™-Personal 2018-04

Spectrum & Regulatory

Wi-Fi Agile Multiband™

Voice-Enterprise

Wi-Fi CERTIFIED™ a

WMM®

Wi-Fi CERTIFIED™ ac

WMM®-Admission Control

Short Guard Interval

WMM®-Power Save

Wi-Fi CERTIFIED™ b

WPA2™-Enterprise 2018-04

Wi-Fi CERTIFIED™ g

EAP methods

Wi-Fi CERTIFIED™ n

This certificate was downloaded on **2025-12-15** at **09:38:31** UTC

Wi-Fi®, Wi-Fi CERTIFIED®, Wi-Fi Alliance®, the Wi-Fi logo, the Wi-Fi CERTIFIED logo, and [other marks](#) are trademarks of Wi-Fi Alliance. Matter™ is a trademark of the Connectivity Standards Alliance.



Wi-Fi CERTIFIED® Certificate

Certification ID: WFA81108



Role: Station

Page 4 of 4

Wi-Fi Direct®

Wi-Fi Enhanced Open™ 2018-04

Wi-Fi Optimized Connectivity™ 2018

This certificate was downloaded on **2025-12-15** at **09:38:31** UTC

Wi-Fi®, Wi-Fi CERTIFIED®, Wi-Fi Alliance®, the Wi-Fi logo, the Wi-Fi CERTIFIED logo, and [other marks](#) are trademarks of Wi-Fi Alliance. Matter™ is a trademark of the Connectivity Standards Alliance.