



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: WFA81314

Product Info

| | |
|------------------------------|---------------------------------|
| Date of Certification | April 15, 2019 |
| Company | Samsung Electronics |
| Product Name | SM-G970U1 |
| Product Model Variant | 2019-04-15 (WFA81314 - 8281284) |
| Model Number | SM-G970U1 |
| Category | Phones |
| Sub-category | Smartphone |

Summary of Certifications

| CLASSIFICATION | CERTIFICATION |
|------------------------------------|--|
| Applications & Services | Voice-Enterprise |
| Connectivity | 2.4 GHz Spectrum Capabilities 5 GHz Spectrum Capabilities 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™ 2018-04 |
| Optimization | WMM® WMM®-Admission Control WMM®-Power Save Wi-Fi Agile Multiband™ Wi-Fi Optimized Connectivity™ 2018 |
| Security | Protected Management Frames WPA2™-Enterprise 2018-04 WPA2™-Personal 2018-04 WPA3™-Enterprise 2018-04 WPA3™-Personal 2018-04 |



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Summary of Certifications (continued)

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CLASSIFICATION

CERTIFICATION

Spectrum & Regulatory
Features

Spectrum & Regulatory



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Role: Station

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Wi-Fi Components

Wi-Fi Component Operating System

Android, version:9.0

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



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Wi-Fi Direct®

Wi-Fi Enhanced Open™ 2018-04

Wi-Fi Optimized Connectivity™ 2018