



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: WFA72721

Product Info

| | |
|-----------------------|---------------------------------|
| Date of Certification | February 19, 2018 |
| Company | Samsung Electronics |
| Product Name | SM-N950F/DS |
| Product Model Variant | 2018-02-19 (WFA72721 - 6948619) |
| Model Number | SM-N950F/DS |
| Category | Phones |
| Sub-category | Smartphone |

Summary of Certifications

| CLASSIFICATION | CERTIFICATION |
|-------------------------|--|
| Access | Wi-Fi Protected Setup™ |
| Applications & Services | Miracast® 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® |
| Optimization | WMM® WMM®-Admission Control WMM®-Power Save |
| Security | Protected Management Frames WPA2™-Enterprise WPA2™-Personal 2017-10 WPA™-Enterprise WPA™-Personal |



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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:8.0

Wi-Fi Component Firmware

13.38.13

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

WMM®-Power Save (continued)

Legacy Power Save
Unschedule auto PS

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™-Enterprise

EAP methods
EAP AKA
EAP AKA Prime
EAP FAST-MSCHAPv2
EAP SIM
EAP TLS
EAP TTLS
PEAPv0
PEAPv1

Protected Management Frames

Spectrum & Regulatory

802.11h

Voice-Enterprise

WPA2™-Personal 2017-10

WMM®

WPA™-Enterprise

WMM®-Admission Control

WPA™-Personal

WMM®-Power Save

Wi-Fi CERTIFIED™ a

Wi-Fi CERTIFIED™ ac



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Wi-Fi CERTIFIED™ ac (continued)

Extended 5 GHz Channel Support
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

STBC
A-MPDU Tx
HT Duplicate Mode
OBSS on Extension Channel
RIFS
Power Management
Short Guard Interval

Wi-Fi Direct®

Wi-Fi Protected Setup™

Pushbutton



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Role: Source

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Certifications

Miracast®

HDCP Encryption