



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

Certification ID: WFA83434

Product Info

Date of Certification	April 23, 2020
Company	Samsung Electronics
Product Name	SM-F900U1
Product Model Variant	2020-04-23 (WFA83434 - 10906206)
Model Number	SM-F900U1
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 2025-05-17 at 11:19:39 UTC

Wi-Fi[®], Wi-Fi CERTIFIED[®], Wi-Fi Alliance[®], the Wi-Fi logo, the Wi-Fi CERTIFIED logo, and <u>other marks</u> are trademarks of Wi-Fi Alliance. Matter[™] is a trademark of the Connectivity Standards Alliance.



Certification ID: WFA83434



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

This certificate was downloaded on **2025-05-17** at **11:19:39** UTC Wi-Fi[®], Wi-Fi CERTIFIED[®], Wi-Fi Alliance[®], the Wi-Fi logo, the Wi-Fi CERTIFIED logo, and <u>other marks</u> are trademarks of Wi-Fi Alliance. Matter™ is a trademark of the Connectivity Standards Alliance.



Certification ID: WFA83434



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 100.14.18 18.38.8.2	2.4 GHz	2	2
100.14.10 10.00.0.2	5 GHz	2	2

Certifications

2.4 GHz Spectrum Capabilities	WMM®-Power Save (continued)
20 MHz Channel Width in 2.4 GHz 40 MHz Channel Width in 2.4 GHz	Legacy Power Save Unschedule auto PS
5 GHz Spectrum Capabilities	WPA2™-Enterprise 2018-04
20 MHz Channel Width in 5 GHz 40 MHz Channel Width in 5 GHz 80 MHz Channel Width in 5 GHz	EAP methods EAP AKA EAP AKA Prime EAP SIM
Protected Management Frames	EAP TLS EAP TTLS
Spectrum & Regulatory	PEAPv0 PEAPv1
802.11h	WPA2™-Personal 2018-04
Voice-Enterprise	WPA3™-Enterprise 2018-04
WMM®	EAP methods
WMM®-Admission Control	EAP AKA EAP AKA Prime
WMM®-Power Save	EAP SIM EAP TLS

This certificate was downloaded on 2025-05-17 at 11:19:39 UTC

Wi-Fi[®], Wi-Fi CERTIFIED[®], Wi-Fi Alliance[®], the Wi-Fi logo, the Wi-Fi CERTIFIED logo, and <u>other marks</u> are trademarks of Wi-Fi Alliance. Matter[™] is a trademark of the Connectivity Standards Alliance.



Certification ID: WFA83434



Role: Station

Page 4 of 4

EAP TLS PEAPv0 PEAPv1 OBSS on Extension Channel Power Management Short Guard Interval WPA3**-Personal 2018-04 Wi-Fi Direct® Wi-Fi Agile Multiband™ Wi-Fi Enhanced Open* 2018-04 Beacon Report Measurement Active Mode Beacon Report Measurement Passive Mode Subport A-MPDU with A-MSDU DU MU-MMO DPC Rx MCS 849 Rx Shont Guard Interval LDPC Rx MCS 849 Rx Shont Guard Interval SU beamformee Mi-Fi CERTIFIED ** a Wi-Fi CERTIFIED ** b Mi-Fi CERTIFIED ** g Mi-Fi CERTIFIED ** a Wi-Fi CERTIFIED ** n AMPDU Tx	WPA3™-Enterprise 2018-04 (continued)	Wi-Fi CERTIFIED™ n (continued)
PEAPv1 Short Guard Interval WPA3**-Personal 2018-04 WI-Fi Direct® WI-Fi Aglie Multiband** WI-Fi Enhanced Open** 2018-04 Beacon Report Measurement Active Mode Beacon Report Measurement Passive Mode BTM Query Cellular Data capable Fast Transition OTA on WPA2-Personal Wi-Fi Optimized Connectivity** 2018 WI-Fi CERTIFIED** a Wi-Fi Optimized Connectivity** 2018 Wi-Fi CERTIFIED** a Wi-Fi CERTIFIED** a Extended 5 GHz Channel Support AMPDU with A-MSDU DL MU-MIMO LDPC Rx MCS 89 RX Short Guard Interval LDPC Tx BU beamformee Wi-Fi CERTIFIED** b Wi-Fi CERTIFIED** b Wi-Fi CERTIFIED** b Wi-Fi CERTIFIED** b Wi-Fi CERTIFIED** n	EAP TTLS	OBSS on Extension Channel
WPA3™-Personal 2018-04 Wi-Fi Direct® Wi-Fi Agile Multiband™ Wi-Fi Enhanced Open™ 2018-04 Beacon Report Measurement Active Mode Wi-Fi Optimized Connectivity™ 2018 Beacon Report Measurement Passive Mode Wi-Fi Optimized Connectivity™ 2018 BTM Query Cellular Data capable Fast Transition OTA on WPA2-Personal Wi-Fi CERTIFIED™ a Wi-Fi CERTIFIED™ ac Ki-Fi CERTIFIED™ ac Extended 5 GHz Channel Support AMPDU with A-MSDU DL MU-MIMO LDPC Fx MCS 8-9 Rx Short Guard Interval LDPC Tx SU beamformee Wi-Fi CERTIFIED™ b Mi-Fi CERTIFIED™ g Wi-Fi CERTIFIED™ n Mi-Fi CERTIFIED™ n	PEAPv0	Power Management
Wi-Fi Agile Multiband™ Wi-Fi Enhanced Open™ 2018-04 Beacon Report Measurement Active Mode Wi-Fi Optimized Connectivity™ 2018 BTM Query Cellular Data capable Fast Transition OTA on WPA2-Personal Wi-Fi Optimized Connectivity™ 2018 Wi-Fi CERTIFIED™ a Wi-Fi CERTIFIED™ ac Extended 5 GHz Channel Support A-MPDU with A-MSDU DL MU-MIMO LDPC Rx MCS 8-9 Rx Short Guard Interval LDPC Tx SU beamformee Wi-Fi CERTIFIED™ g Wi-Fi CERTIFIED™ g Wi-Fi CERTIFIED™ n Mi-Fi CERTIFIED™ n	PEAPv1	Short Guard Interval
Baacon Report Measurement Active Mode Beacon Report Measurement Passive Mode BTM Query Celluar Data capable Fast Transition OTA on WPA2-Personal WI-FI CERTIFIED™ a Extended 5 GHz Channel Support A-MPDU with A-MSDU DL MU-MIMO LDPC Rx MCS 8-9 Rx Short Guard Interval LDPC Tx SU beamformee WI-FI CERTIFIED™ b Wi-FI CERTIFIED™ b Wi-FI CERTIFIED™ g	WPA3™-Personal 2018-04	Wi-Fi Direct®
Beacon Report Measurement Passive Mode BTM Query Cellular Data capable Fast Transition OTA on WPA2-Personal Wi-Fi CERTIFIED™ a Extended 5 GHz Channel Support A-MPDU with A-MSDU DL MU-MIMO LDPC Rx MCS 8-9 Rx Short Guard Interval LDPC Tx SU beamformee Wi-Fi CERTIFIED™ b Wi-Fi CERTIFIED™ g	Wi-Fi Agile Multiband™	Wi-Fi Enhanced Open™ 2018-04
Fast Transition OTA on WPA2-Personal Wi-Fi CERTIFIED™ a Wi-Fi CERTIFIED™ ac Extended 5 GHz Channel Support A-MPDU with A-MSDU D LMU-MIMO LDPC Rx MCS 8-9 Rx Short Guard Interval LDPC Tx SU beamformee Wi-Fi CERTIFIED™ g Wi-Fi CERTIFIED™ n	Beacon Report Measurement Passive Mode BTM Query	Wi-Fi Optimized Connectivity™ 2018
Wi-Fi CERTIFIED™ ac Extended 5 GHz Channel Support A-MPDU with A-MSDU DL MU-MIMO LDPC Rx MCS 8-9 Rx Short Guard Interval LDPC Tx SU beamformee Wi-Fi CERTIFIED™ b Wi-Fi CERTIFIED™ g Wi-Fi CERTIFIED™ n		
Extended 5 GHz Channel Support A-MPDU with A-MSDU DL MU-MIMO LDPC Rx MCS 8-9 Rx Short Guard Interval LDPC Tx SU beamformee Wi-Fi CERTIFIED™ b Wi-Fi CERTIFIED™ g	Wi-Fi CERTIFIED™ a	
A-MPDU with A-MSDU DL MU-MIMO LDPC Rx MCS 8-9 Rx Short Guard Interval LDPC Tx SU beamformee Wi-Fi CERTIFIED™ b Wi-Fi CERTIFIED™ g	Wi-Fi CERTIFIED™ ac	
DL MU-MIMO LDPC Rx MCS 8-9 Rx Short Guard Interval LDPC Tx SU beamformee Wi-Fi CERTIFIED™ b Wi-Fi CERTIFIED™ g	Extended 5 GHz Channel Support	
LDPC Rx MCS 8-9 Rx Short Guard Interval LDPC Tx SU beamformee Wi-Fi CERTIFIED™ b Wi-Fi CERTIFIED™ g	A-MPDU with A-MSDU	
MCS 8-9 Rx Short Guard Interval LDPC Tx SU beamformee Wi-Fi CERTIFIED™ g Wi-Fi CERTIFIED™ n		
Short Guard Interval LDPC Tx SU beamformee Wi-Fi CERTIFIED™ b Wi-Fi CERTIFIED™ g		
LDPC Tx SU beamformee Wi-Fi CERTIFIED™ b Wi-Fi CERTIFIED™ g Wi-Fi CERTIFIED™ n		
SU beamformee Wi-Fi CERTIFIED™ b Wi-Fi CERTIFIED™ g Wi-Fi CERTIFIED™ n		
Wi-Fi CERTIFIED™ b Wi-Fi CERTIFIED™ g Wi-Fi CERTIFIED™ n		
Wi-Fi CERTIFIED™ g Wi-Fi CERTIFIED™ n		
Wi-Fi CERTIFIED™ n	Wi-Fi CERTIFIED™ b	
	Wi-Fi CERTIFIED™ g	
	Wi-Fi CERTIFIED™ n	
	A-MPDU Tx	

This certificate was downloaded on **2025-05-17** at **11:19:39** UTC Wi-Fi[®], Wi-Fi CERTIFIED[®], Wi-Fi Alliance[®], the Wi-Fi logo, the Wi-Fi CERTIFIED logo, and <u>other marks</u> are trademarks of Wi-Fi Alliance. Matter[™] is a trademark of the Connectivity Standards Alliance.