

Samsung Galaxy S8 G950F

NETWORK	<u>Technology</u>	GSM / HSPA / LTE
	<u>2G bands</u>	GSM 850 / 900 / 1800 / 1900
	<u>3G bands</u>	HSDPA 850 / 900 / 1700(AWS) / 1900 / 2100
	<u>4G bands</u>	LTE band 1(2100), 2(1900), 3(1800), 4(1700/2100), 5(850), 7(2600), 8(900), 12(700), 13(700), 17(700), 18(800), 19(800), 20(800), 25(1900), 26(850), 28(700), 32(1500), 66(1700/2100), 38(2600), 39(1900), 40(2300), 41(2500)
	<u>Speed</u>	HSPA 42.2/5.76 Mbps, LTE-A (4CA) Cat16 1024/150 Mbps
	<u>GPRS</u>	Yes
	<u>EDGE</u>	Yes
LAUNCH	<u>Announced</u>	2017, March
	<u>Status</u>	Available. Released 2017, April
BODY	<u>Dimensions</u>	148.9 x 68.1 x 8 mm (5.86 x 2.68 x 0.31 in)
	<u>Weight</u>	155 g (5.47 oz)
	<u>Build</u>	Front/back glass (Gorilla Glass 5), aluminum frame
	<u>SIM</u>	Nano-SIM
		- Samsung Pay (Visa, MasterCard certified) - IP68 dust/water proof (up to 1.5m for 30 mins)
DISPLAY	<u>Type</u>	Super AMOLED capacitive touchscreen, 16M colors
	<u>Size</u>	5.8 inches, 84.8 cm ² (~83.6% screen-to-body ratio)
	<u>Resolution</u>	1440 x 2960 pixels, 18.5:9 ratio (~570 ppi density)
	<u>Multitouch</u>	Yes
	<u>Protection</u>	Corning Gorilla Glass 5 - HDR10 compliant - 3D Touch (home button only) - Always-on display
PLATFORM	<u>OS</u>	Android 7.0 (Nougat), upgradable to Android 8.0 (Oreo)
	<u>Chipset</u>	Exynos 8895 Octa
	<u>CPU</u>	Octa-core (4x2.3 GHz & 4x1.7 GHz)
	<u>GPU</u>	Mali-G71 MP20
MEMORY	<u>Card slot</u>	microSD, up to 256 GB
	<u>Internal</u>	64 GB, 4 GB RAM
MAIN CAMERA	<u>Single</u>	12 MP, f/1.7, 26mm, 1/2.5", 1.4µm, OIS, dual pixel PDAF
	<u>Features</u>	LED flash, auto-HDR, panorama
	<u>Video</u>	2160p@30fps, 1080p@60fps, 720p@240fps, HDR, dual-video rec.
SELFIE CAMERA	<u>Single</u>	8 MP, f/1.7, 25mm, 1/3.6", 1.22µm, AF
	<u>Features</u>	Dual video call, Auto-HDR
	<u>Video</u>	1440p@30fps
SOUND	<u>Alert types</u>	Vibration; MP3, WAV ringtones
	<u>Loudspeaker</u>	Yes
	<u>3.5mm jack</u>	Yes
		- 32-bit/384kHz audio - Active noise cancellation with dedicated mic

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COMMS	<u>WLAN</u>	Wi-Fi 802.11 a/b/g/n/ac, dual-band, Wi-Fi Direct, hotspot
	<u>Bluetooth</u>	5.0, A2DP, LE, aptX
	<u>GPS</u>	Yes, with A-GPS, GLONASS, BDS, GALILEO
	<u>NFC</u>	Yes
	<u>Radio</u>	No
	<u>USB</u>	3.1, Type-C 1.0 reversible connector
FEATURES	<u>Sensors</u>	Iris scanner, fingerprint (rear-mounted), accelerometer, gyro, proximity, compass, barometer, heart rate, SpO2
	<u>Messaging</u>	SMS(threaded view), MMS, Email, Push Email, IM
	<u>Browser</u>	HTML5
		- Samsung DeX (desktop experience support) - Fast battery charging (Quick Charge 2.0) - Qi/PMA wireless charging (market dependent) - ANT+ support - Bixby natural language commands and dictation - MP4/DivX/XviD/H.265 player - MP3/WAV/eAAC+/FLAC player - Photo/video editor - Document editor
BATTERY		Non-removable Li-Ion 3000 mAh battery (11.55 Wh)
	<u>Talk time</u>	Up to 20 h (3G)
	<u>Music play</u>	Up to 67 h
MISC	<u>Colors</u>	Midnight Black, Orchid Gray, Arctic Silver, Rose Pink
	<u>SAR</u>	0.44 W/kg (head) 0.75 W/kg (body)
	<u>SAR EU</u>	0.32 W/kg (head) 1.27 W/kg (body)
	<u>Price</u>	About 450 EUR
TESTS	<u>Performance</u>	Basemark OS II: 3272 / Basemark OS II 2.0: 3376 Basemark X: 42370
	<u>Display</u>	Contrast ratio: Infinite (nominal), 4.768 (sunlight)
	<u>Camera</u>	Photo / Video
	<u>Loudspeaker</u>	Voice 66dB / Noise 70dB / Ring 72dB
	<u>Audio quality</u>	Noise -92.5dB / Crosstalk -92.8dB
	<u>Battery life</u>	Endurance rating 84h