

Samsung Galaxy S10 Specifications

NETWORK	<u>Technology</u>	<u>GSM / CDMA / HSPA / EVDO / LTE</u>
LAUNCH	<u>Announced</u>	2019, February
	<u>Status</u>	Available. Released 2019, March
BODY	<u>Dimensions</u>	149.9 x 70.4 x 7.8 mm (5.90 x 2.77 x 0.31 in)
	<u>Weight</u>	157 g (5.54 oz)
	<u>Build</u>	Back glass (Gorilla Glass 5), aluminum frame
	<u>SIM</u>	Single SIM (Nano-SIM) or Hybrid Dual SIM (Nano-SIM, dual stand-by)
		Samsung Pay (Visa, MasterCard certified) IP68 dust/water proof (up to 1.5m for 30 mins)
DISPLAY	<u>Type</u>	Dynamic AMOLED capacitive touchscreen, 16M colors
	<u>Size</u>	6.1 inches, 93.2 cm ² (~88.3% screen-to-body ratio)
	<u>Resolution</u>	1440 x 3040 pixels, 19:9 ratio (~550 ppi density)
	<u>Protection</u>	Corning Gorilla Glass 6
		HDR10+ Always-on display
PLATFORM	<u>OS</u>	Android 9.0 (Pie); One UI
	<u>Chipset</u>	Exynos 9820 (8 nm) - EMEA Qualcomm SDM855 Snapdragon 855 (7 nm) - USA/LATAM, China
	<u>CPU</u>	Octa-core (2x2.73 GHz Mongoose M4 & 2x2.31 GHz Cortex-A75 & 4x1.95 GHz Cortex-A55) - EMEA Octa-core (1x2.84 GHz Kryo 485 & 3x2.41 GHz Kryo 485 & 4x1.78 GHz Kryo 485) - USA/LATAM, China
	<u>GPU</u>	Mali-G76 MP12 - EMEA Adreno 640 - USA/LATAM, China
MEMORY	<u>Card slot</u>	microSD, up to 512 GB (uses SIM 2 slot) - dual SIM model only
	<u>Internal</u>	128/512 GB, 8 GB RAM
MAIN CAMERA	<u>Triple</u>	12 MP, f/1.5-2.4, 26mm (wide), 1/2.55", 1.4µm, Dual Pixel PDAF, OIS 12 MP, f/2.4, 52mm (telephoto), 1/3.6", 1.0µm, AF, OIS, 2x optical zoom 16 MP, f/2.2, 12mm (ultrawide), 1.0µm
	<u>Features</u>	LED flash, auto-HDR, panorama
	<u>Video</u>	2160p@60fps, 1080p@240fps, 720p@960fps, HDR, dual-video rec.

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SELFIE CAMERA	<u>Single</u>	10 MP, f/1.9, 26mm (wide), 1.22µm, Dual Pixel PDAF
	<u>Features</u>	Dual video call, Auto-HDR
	<u>Video</u>	2160p@30fps, 1080p@30fps
SOUND	<u>Loudspeaker</u>	Yes, with stereo speakers
	<u>3.5mm jack</u>	Yes
		32-bit/384kHz audio Active noise cancellation with dedicated mic Dolby Atmos/AKG sound
COMMS	<u>WLAN</u>	Wi-Fi 802.11 a/b/g/n/ac/ax, 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>	FM radio (USA & Canada only)
	<u>USB</u>	3.1, Type-C 1.0 reversible connector
FEATURES	<u>Sensors</u>	Fingerprint (under display), accelerometer, gyro, proximity, compass, barometer, heart rate, SpO2
		ANT+ Bixby natural language commands and dictation Samsung DeX (desktop experience support)
BATTERY		Non-removable Li-Ion 3400 mAh battery
	<u>Charging</u>	Fast battery charging 15W Fast wireless charging 15W Power bank/Reverse wireless charging 9W
MISC	<u>Colors</u>	Prism White, Prism Black, Prism Green, Prism Blue, Canary Yellow, Flamingo Pink
	<u>SAR</u>	0.93 W/kg (head) 0.79 W/kg (body)
	<u>SAR EU</u>	0.48 W/kg (head) 1.59 W/kg (body)
	<u>Price</u>	About 770 EUR
TESTS	<u>Performance</u>	<u>Basemark OS II: 4539 / Basemark OS II 2.0: 4465</u> <u>Basemark X: 44097</u>
	<u>Display</u>	<u>Contrast ratio: Infinite (nominal), 4.498 (sunlight)</u>

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<u>Camera</u>	<u>Photo / Video</u>
<u>Loudspeaker</u>	<u>Voice 82dB / Noise 74dB / Ring 85dB</u>
<u>Audio quality</u>	<u>Noise -92.2dB / Crosstalk -92.7dB</u>
<u>Battery life</u>	<u>Endurance rating 79h</u>