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Network	**Technology:**	GSM / HSPA / LTE
	2G bands:	GSM 850 / 900 / 1800 / 1900 SIM 1 & SIM 2
	3G bands:	HSDPA 850 / 900 / 1700(AWS) / 1900 / 2100
	4G bands:	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), 38(2600), 39(1900), 40(2300), 41(2500), 66(1700/2100)
	Speed:	HSPA 42.2/5.76 Mbps, LTE-A (7CA) Cat20 2000/150 Mbps
	GPRS:	Yes
	EDGE:	Yes
Launch	**Announced:**	2019, February
Body	**Dimensions:**	157.6 x 74.1 x 7.8 mm
	Weight:	175 g
	Build:	Front glass (Gorilla Glass 6), ceramic body
	SIM:	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	**Type:**	Dynamic AMOLED capacitive touchscreen, 16M colors
	Size:	6.4 inches, 103.8 cm2 (~88.9% screen-to-body ratio)
	Resolution:	1440 x 3040 pixels, 19:9 ratio (~522 ppi density)
	Protection:	Corning Gorilla Glass 6
		HDR10, Always-on display
Platform	**OS:**	Android 9.0 (Pie); One UI
	Chipset:	Exynos 9820 Octa
	CPU:	Octa-core (2x2.73 GHz Mongoose M4 & 2x2.31 GHz Cortex-A75 & 4x1.95 GHz Cortex-A55)
	GPU:	Mali-G76 MP12
Memory	**Card slot:**	microSD, up to 512 GB (uses SIM 2 slot)
	Internal:	512 GB, 8 GB RAM
Sound	**Loudspeaker:**	Yes, with stereo speakers
	3.5mm jack:	Yes
		32-bit/384kHz audio, Active noise cancellation with dedicated mic, Dolby Atmos/AKG sound
Comms	**WLAN:**	Wi-Fi 802.11 a/b/g/n/ac/ax, dual-band, Wi-Fi Direct, hotspot
	Bluetooth:	5.0, A2DP, LE, aptX
	GPS:	Yes, with A-GPS, GLONASS, BDS, GALILEO
	NFC:	Yes
	Radio:	No
	USB:	3.1, Type-C 1.0 reversible connector
Features	**Sensors:**	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 4100 mAh battery
	Charging:	Fast battery charging (15W), Fast wireless charging 15W, Power bank/Reverse wireless charging 9W
Main Camera	**Triple:**	12 MP, f/1.5-2.4, 26mm (wide), Dual Pixel PDAF, OIS, 12 MP, f/2.4, 52mm (telephoto), AF, OIS, 2x optical zoom, 16 MP, f/2.2, 12mm (ultrawide)
	Features:	LED flash, auto-HDR, panorama
	Video:	2160p@60fps, 1080p@240fps, 720p@960fps, HDR, dual-video rec.
Selfie camera	**Dual:**	10 MP, f/1.9, 26mm (wide), Dual Pixel PDAF, 8 MP, f/2.2, 22mm (wide), depth sensor
	Features:	Dual video call, Auto-HDR
	Video:	2160p@30fps, 1080p@30fps