

Samsung Galaxy S20 Ultra 5G Specifications

NETWORK	<u>Technology</u>	<u>GSM / CDMA / HSPA / EVDO / LTE / 5G</u>
LAUNCH	<u>Announced</u>	2020, February 11
	<u>Status</u>	Available. Released 2020, March 6
BODY	<u>Dimensions</u>	166.9 x 76 x 8.8 mm (6.57 x 2.99 x 0.35 in)
	<u>Weight</u>	222 g (7.83 oz)
	<u>Build</u>	Glass front (Gorilla Glass 6), glass back (Gorilla Glass 6), aluminum frame
	<u>SIM</u>	Single SIM (Nano-SIM and/or eSIM) or Hybrid Dual SIM (Nano-SIM, dual stand-by)
		Samsung Pay (Visa, MasterCard certified) IP68 dust/water resistant (up to 1.5m for 30 mins)
DISPLAY	<u>Type</u>	Dynamic AMOLED 2X capacitive touchscreen, 16M colors
	<u>Size</u>	6.9 inches, 114.0 cm ² (~89.9% screen-to-body ratio)
	<u>Resolution</u>	1440 x 3200 pixels, 20:9 ratio (~511 ppi density)
	<u>Protection</u>	Corning Gorilla Glass 6 HDR10+ Always-on display 120Hz@FHD/60Hz@QHD refresh rate
PLATFORM	<u>OS</u>	Android 10.0; One UI 2
	<u>Chipset</u>	Exynos 990 (7 nm+) - Global Qualcomm SM8250 Snapdragon 865 (7 nm+) - USA
	<u>CPU</u>	Octa-core (2x2.73 GHz Mongoose M5 & 2x2.50 GHz Cortex-A76 & 4x2.0 GHz Cortex-A55) - Global Octa-core (1x2.84 GHz Kryo 585 & 3x2.42 GHz Kryo 585 & 4x1.8 GHz Kryo 585) - USA
	<u>GPU</u>	Mali-G77 MP11 - Global Adreno 650 - USA
MEMORY	<u>Card slot</u>	microSDXC (uses shared SIM slot)
	<u>Internal</u>	128GB 12GB RAM, 256GB 12GB RAM, 512GB 16GB RAM UFS 3.0
MAIN CAMERA	<u>Quad</u>	108 MP, f/1.8, 26mm (wide), 1/1.33", 0.8µm, PDAF, OIS Periscope 48 MP, f/3.5, 103mm (telephoto), 1/2.0", 0.8µm, PDAF, OIS, 10x hybrid optical zoom 12 MP, f/2.2, 13mm (ultrawide), 1.4µm, Super Steady video 0.3 MP, TOF 3D, f/1.0, (depth)
	<u>Features</u>	LED flash, auto-HDR, panorama
	<u>Video</u>	4320p@24fps, 2160p@30/60fps, 1080p@30/60/240fps, 720p@960fps, HDR10+, dual-video rec., stereo sound rec., gyro-EIS & OIS
SELFIE CAMERA	<u>Dual</u>	40 MP, f/2.2, 26mm (wide), 0.7µm, PDAF
	<u>Features</u>	Dual video call, Auto-HDR
	<u>Video</u>	2160p@30/60fps, 1080p@30fps
SOUND	<u>Loudspeaker</u>	Yes, with stereo speakers
	<u>3.5mm jack</u>	No

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		32-bit/384kHz audio Tuned by AKG
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
	<u>GPS</u>	Yes, with A-GPS, GLONASS, BDS, GALILEO
	<u>NFC</u>	Yes
	<u>Radio</u>	FM radio (Snapdragon model only; market/operator dependent)
	<u>USB</u>	3.2, Type-C 1.0 reversible connector, USB On-The-Go
FEATURES	<u>Sensors</u>	Fingerprint (under display, ultrasonic), accelerometer, gyro, proximity, compass, barometer ANT+ Bixby natural language commands and dictation Samsung DeX (desktop experience support)
BATTERY		Non-removable Li-Po 5000 mAh battery
	<u>Charging</u>	Fast charging 45W USB Power Delivery 3.0 Fast Qi/PMA wireless charging 15W Power bank/Reverse wireless charging 9W
MISC	<u>Colors</u>	Cosmic Grey, Cosmic Black
	<u>Models</u>	SM-G988, SM-G988U, SM-G988U1, SM-G9880, SM-G988B/DS, SM-G988N, SM-G988B
	<u>SAR</u>	0.94 W/kg (head) 0.95 W/kg (body)
	<u>SAR EU</u>	0.32 W/kg (head) 1.56 W/kg (body)
	<u>Price</u>	\$ 1,140.00 / £ 1,139.99 / € 1,309.00
TESTS	<u>Performance</u>	AnTuTu: 415976 (v7), 514485 (v8) GeekBench: 12191 (v4.4), 2697 (v5.1) GFXBench: 21fps (ES 3.1 onscreen)
	<u>Display</u>	<u>Contrast ratio: Infinite (nominal)</u>
	<u>Camera</u>	<u>Photo / Video</u>
	<u>Loudspeaker</u>	<u>-23.2 LUFS (Very good)</u>
	<u>Battery life</u>	<u>Endurance rating 87h</u>