

Samsung Galaxy S21 Ultra 5G

Versions: SM-G998B, SM-G998B/DS (International); SM-G998U (USA); SM-G998U1 (USA unlocked); SM-G998W (Canada); SM-G998N (Korea); SM-G9980 (China)

NETWORK	Technology	GSM / CDMA / HSPA / EVDO / LTE / 5G
LAUNCH	Announced	2021, January 14
	Status	Available. Released 2021, January 29
BODY	Dimensions	165.1 x 75.6 x 8.9 mm (6.5 x 2.98 x 0.35 in)
	Weight	227 g (Sub6), 229 g (mmWave) (8.01 oz)
	Build	Glass front (Gorilla Glass Victus), glass back (Gorilla Glass Victus), aluminum frame
	SIM	Single SIM (Nano-SIM and/or eSIM) or Dual SIM (Nano-SIM and/or eSIM, dual stand-by)
		IP68 dust/water resistant (up to 1.5m for 30 mins) Stylus support
DISPLAY	Type	Dynamic AMOLED 2X, 120Hz, HDR10+, 1500 nits (peak)
	Size	6.8 inches, 112.1 cm ² (~89.8% screen-to-body ratio)
	Resolution	1440 x 3200 pixels, 20:9 ratio (~515 ppi density)
	Protection	Corning Gorilla Glass Victus
PLATFORM		Always-on display
	OS	Android 11, One UI 3.1
	Chipset	Exynos 2100 (5 nm) - International Qualcomm SM8350 Snapdragon 888 (5 nm) - USA/China
	CPU	Octa-core (1x2.9 GHz Cortex-X1 & 3x2.80 GHz Cortex-A78 & 4x2.2 GHz Cortex-A55) - International Octa-core (1x2.84 GHz Kryo 680 & 3x2.42 GHz Kryo 680 & 4x1.80 GHz Kryo 680) - USA/China
	GPU	Mali-G78 MP14 - International Adreno 660 - USA/China
MEMORY	Card slot	No
	Internal	128GB 12GB RAM, 256GB 12GB RAM, 512GB 16GB RAM
MAIN CAMERA		UFS 3.1
	Quad	108 MP, f/1.8, 24mm (wide), 1/1.33", 0.8µm, PDAF, Laser AF, OIS 10 MP, f/4.9, 240mm (periscope telephoto), 1/3.24", 1.22µm, dual pixel PDAF, OIS, 10x optical zoom 10 MP, f/2.4, 70mm (telephoto), 1/3.24", 1.22µm, dual pixel PDAF, OIS, 3x optical zoom 12 MP, f/2.2, 13mm (ultrawide), 1/2.55", 1.4µm, dual pixel PDAF, Super Steady video
	Features	LED flash, auto-HDR, panorama
	Video	8K@24fps, 4K@30/60fps, 1080p@30/60/240fps, 720p@960fps, HDR10+, stereo sound rec., gyro-EIS
	Single	40 MP, f/2.2, 26mm (wide), 1/2.8", 0.7µm, PDAF

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SELFIE CAMERA	Features	Dual video call, Auto-HDR
CAMERA	Video	4K@30/60fps, 1080p@30fps
SOUND	Loudspeaker	Yes, with stereo speakers
	3.5mm jack	No
		32-bit/384kHz audio Tuned by AKG
COMMS	WLAN	Wi-Fi 802.11 a/b/g/n/ac/6e, dual-band, Wi-Fi Direct, hotspot
	Bluetooth	5.2, A2DP, LE
	GPS	Yes, with A-GPS, GLONASS, BDS, GALILEO
	NFC	Yes
	Radio	FM radio (Snapdragon model only; market/operator dependent)
	USB	USB Type-C 3.2, USB On-The-Go
FEATURES	Sensors	Fingerprint (under display, ultrasonic), accelerometer, gyro, proximity, compass, barometer
		Samsung DeX, Samsung Wireless DeX (desktop experience support) ANT+ Bixby natural language commands and dictation Samsung Pay (Visa, MasterCard certified) Ultra Wideband (UWB) support
BATTERY	Type	Li-Ion 5000 mAh, non-removable
	Charging	Fast charging 25W USB Power Delivery 3.0 Fast Qi/PMA wireless charging 15W Reverse wireless charging 4.5W
MISC	Colors	Phantom Black, Phantom Silver, Phantom Titanium, Phantom Navy, Phantom Brown
	Models	SM-G998B, SM-G998B/DS, SM-G998U, SM-G998U1, SM-G998W, SM-G998N, SM-G9980
	SAR	0.77 W/kg (head) 1.02 W/kg (body)
	SAR EU	0.71 W/kg (head) 1.58 W/kg (body)
	Price	\$ 959.99 / £ 1,131.37 / € 1,199.00 / ₹ 91,300
TESTS	Performance	AnTuTu: 657150 (v8) GeekBench: 3518 (v5.1) GFXBench: 33fps (ES 3.1 onscreen)
	Display	Contrast ratio: Infinite (nominal)
	Camera	Photo / Video
	Loudspeaker	-25.5 LUFS (Very good)
	Battery life	Endurance rating 114h