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| **NETWORK** | [**Technology**](https://www.gsmarena.com/network-bands.php3) | [GSM / CDMA / HSPA / EVDO / LTE / 5G](https://www.gsmarena.com/samsung_galaxy_s21_ultra_5g-10596.php) |
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| **LAUNCH** | [**Announced**](https://www.gsmarena.com/glossary.php3?term=phone-life-cycle) | 2021, January 14 |
| [**Status**](https://www.gsmarena.com/glossary.php3?term=phone-life-cycle) | Available. Released 2021, January 29 |

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| **BODY** | [**Dimensions**](https://www.gsmarena.com/samsung_galaxy_s21_ultra_5g-10596.php) | 165.1 x 75.6 x 8.9 mm (6.5 x 2.98 x 0.35 in) |
| [**Weight**](https://www.gsmarena.com/samsung_galaxy_s21_ultra_5g-10596.php) | 227 g (Sub6), 229 g (mmWave) (8.01 oz) |
| [**Build**](https://www.gsmarena.com/glossary.php3?term=build) | Glass front (Gorilla Glass Victus), glass back (Gorilla Glass Victus), aluminum frame |
| [**SIM**](https://www.gsmarena.com/glossary.php3?term=sim) | Single SIM (Nano-SIM) or Dual SIM (2 Nano-SIMs + eSIM, dual stand-by) |
|  | IP68 dust/water resistant (up to 1.5m for 30 mins) Stylus support |

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| **DISPLAY** | [**Type**](https://www.gsmarena.com/glossary.php3?term=display-type) | Dynamic AMOLED 2X, 120Hz, HDR10+, 1500 nits (peak) |
| [**Size**](https://www.gsmarena.com/samsung_galaxy_s21_ultra_5g-10596.php) | 6.8 inches, 112.1 cm2 (~89.8% screen-to-body ratio) |
| [**Resolution**](https://www.gsmarena.com/glossary.php3?term=resolution) | 1440 x 3200 pixels, 20:9 ratio (~515 ppi density) |
| [**Protection**](https://www.gsmarena.com/glossary.php3?term=screen-protection) | Corning Gorilla Glass Victus |
|  | Always-on display |

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| **PLATFORM** | [**OS**](https://www.gsmarena.com/glossary.php3?term=os) | Android 11, One UI 3.1 |
| [**Chipset**](https://www.gsmarena.com/glossary.php3?term=chipset) | Exynos 2100 (5 nm) - International Qualcomm SM8350 Snapdragon 888 5G (5 nm) - USA/China |
| [**CPU**](https://www.gsmarena.com/glossary.php3?term=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**](https://www.gsmarena.com/glossary.php3?term=gpu) | Mali-G78 MP14 - International Adreno 660 - USA/China |

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| **MEMORY** | [**Card slot**](https://www.gsmarena.com/glossary.php3?term=memory-card-slot) | No |
| [**Internal**](https://www.gsmarena.com/glossary.php3?term=dynamic-memory) | 128GB 12GB RAM, 256GB 12GB RAM, 512GB 12GB RAM, 512GB 16GB RAM |
|  | UFS 3.1 |

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| **MAIN CAMERA** | [**Quad**](https://www.gsmarena.com/glossary.php3?term=camera) | 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, 72mm (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**](https://www.gsmarena.com/glossary.php3?term=camera) | LED flash, auto-HDR, panorama |
| [**Video**](https://www.gsmarena.com/glossary.php3?term=camera) | 8K@24fps, 4K@30/60fps, 1080p@30/60/240fps, 720p@960fps, HDR10+, stereo sound rec., gyro-EIS |

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| **SELFIE CAMERA** | [**Single**](https://www.gsmarena.com/glossary.php3?term=secondary-camera) | 40 MP, f/2.2, 26mm (wide), 1/2.8", 0.7µm, PDAF |
| [**Features**](https://www.gsmarena.com/glossary.php3?term=secondary-camera) | Dual video call, Auto-HDR |
| [**Video**](https://www.gsmarena.com/glossary.php3?term=secondary-camera) | 4K@30/60fps, 1080p@30fps |

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| **SOUND** | [**Loudspeaker**](https://www.gsmarena.com/glossary.php3?term=loudspeaker) | Yes, with stereo speakers |
| [**3.5mm jack**](https://www.gsmarena.com/glossary.php3?term=audio-jack) | No |
|  | 32-bit/384kHz audio Tuned by AKG |

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| **COMMS** | [**WLAN**](https://www.gsmarena.com/glossary.php3?term=wi-fi) | Wi-Fi 802.11 a/b/g/n/ac/6e, dual-band, Wi-Fi Direct, hotspot |
| [**Bluetooth**](https://www.gsmarena.com/glossary.php3?term=bluetooth) | 5.2, A2DP, LE |
| [**GPS**](https://www.gsmarena.com/glossary.php3?term=gps) | Yes, with A-GPS, GLONASS, BDS, GALILEO |
| [**NFC**](https://www.gsmarena.com/glossary.php3?term=nfc) | Yes |
| [**Radio**](https://www.gsmarena.com/glossary.php3?term=fm-radio) | FM radio (Snapdragon model only; market/operator dependent) |
| [**USB**](https://www.gsmarena.com/glossary.php3?term=usb) | USB Type-C 3.2, USB On-The-Go |

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| **FEATURES** | [**Sensors**](https://www.gsmarena.com/glossary.php3?term=sensors) | Fingerprint (under display, ultrasonic), accelerometer, gyro, proximity, compass, barometer |
|  | Samsung DeX, Samsung Wireless DeX (desktop experience support) Bixby natural language commands and dictation Samsung Pay (Visa, MasterCard certified) Ultra Wideband (UWB) support |

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| **BATTERY** | [**Type**](https://www.gsmarena.com/glossary.php3?term=rechargeable-battery-types) | Li-Ion 5000 mAh, non-removable |
| [**Charging**](https://www.gsmarena.com/glossary.php3?term=battery-charging) | Fast charging 25W USB Power Delivery 3.0 Fast Qi/PMA wireless charging 15W Reverse wireless charging 4.5W |

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| **MISC** | [**Colors**](https://www.gsmarena.com/glossary.php3?term=build) | Phantom Black, Phantom Silver, Phantom Titanium, Phantom Navy, Phantom Brown, Navy |
| [**Models**](https://www.gsmarena.com/glossary.php3?term=models) | SM-G998B, SM-G998B/DS, SM-G998U, SM-G998U1, SM-G998W, SM-G998N, SM-G9980 |
| [**SAR**](https://www.gsmarena.com/glossary.php3?term=sar) | 0.77 W/kg (head)     1.02 W/kg (body) |
| [**SAR EU**](https://www.gsmarena.com/glossary.php3?term=sar) | 0.71 W/kg (head)     1.58 W/kg (body) |
| [**Price**](https://www.gsmarena.com/glossary.php3?term=price) | [$ 745.00 / € 1,046.99 / £ 999.00 / Rp 18,999,000](https://www.gsmarena.com/samsung_galaxy_s21_ultra_5g-price-10596.php) |

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| **TESTS** | [**Performance**](https://www.gsmarena.com/glossary.php3?term=benchmarking) | AnTuTu: 657150 (v8) GeekBench: 3518 (v5.1) GFXBench: 33fps (ES 3.1 onscreen) |
| [**Display**](https://www.gsmarena.com/gsmarena_lab_tests-review-751p2.php) | [Contrast ratio: Infinite (nominal)](https://www.gsmarena.com/samsung_galaxy_s21_ultra-review-2219p3.php#dt) |
| [**Camera**](https://www.gsmarena.com/gsmarena_lab_tests-review-751p5.php) | [Photo](https://www.gsmarena.com/piccmp.php3?idType=1&idPhone1=10596&nSuggest=1) / [Video](https://www.gsmarena.com/vidcmp.php3?idType=3&idPhone1=10596&nSuggest=1) |
| [**Loudspeaker**](https://www.gsmarena.com/gsmarena_lab_tests-review-751p7.php) | [-25.5 LUFS (Very good)](https://www.gsmarena.com/samsung_galaxy_s21_ultra-review-2219p3.php#lt) |
| [**Battery life**](https://www.gsmarena.com/gsmarena_lab_tests-review-751p6.php) | [Endurance rating 114h](https://www.gsmarena.com/samsung_galaxy_s21_ultra_5g-10596.php) |
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