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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_fe_5g-10954.php) |
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| **LAUNCH** | [**Announced**](https://www.gsmarena.com/glossary.php3?term=phone-life-cycle) | 2022, January 04 |
| [**Status**](https://www.gsmarena.com/glossary.php3?term=phone-life-cycle) | Available. Released 2022, January 07 |

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| **BODY** | [**Dimensions**](https://www.gsmarena.com/samsung_galaxy_s21_fe_5g-10954.php) | 155.7 x 74.5 x 7.9 mm (6.13 x 2.93 x 0.31 in) |
| [**Weight**](https://www.gsmarena.com/samsung_galaxy_s21_fe_5g-10954.php) | 177 g (6.24 oz) |
| [**Build**](https://www.gsmarena.com/glossary.php3?term=build) | Glass front (Gorilla Glass Victus), plastic back, aluminum frame |
| [**SIM**](https://www.gsmarena.com/glossary.php3?term=sim) | Single SIM (Nano-SIM) or Dual SIM (Nano-SIM, dual stand-by) |
|  | IP68 dust/water resistant (up to 1.5m for 30 mins) |

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| **DISPLAY** | [**Type**](https://www.gsmarena.com/glossary.php3?term=display-type) | Dynamic AMOLED 2X, 120Hz, HDR10+ |
| [**Size**](https://www.gsmarena.com/samsung_galaxy_s21_fe_5g-10954.php) | 6.4 inches, 103.9 cm2 (~89.6% screen-to-body ratio) |
| [**Resolution**](https://www.gsmarena.com/glossary.php3?term=resolution) | 1080 x 2400 pixels, 20:9 ratio (~401 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 12, One UI 4 |
| [**Chipset**](https://www.gsmarena.com/glossary.php3?term=chipset) | Qualcomm SM8350 Snapdragon 888 5G (5 nm) - Version 1 Exynos 2100 (5 nm) - Version 2 |
| [**CPU**](https://www.gsmarena.com/glossary.php3?term=cpu) | Octa-core (1x2.84 GHz Kryo 680 & 3x2.42 GHz Kryo 680 & 4x1.80 GHz Kryo 680) - Version 1 Octa-core (1x2.9 GHz Cortex-X1 & 3x2.80 GHz Cortex-A78 & 4x2.2 GHz Cortex-A55) - Version 2 |
| [**GPU**](https://www.gsmarena.com/glossary.php3?term=gpu) | Adreno 660 - Version 1 Mali-G78 MP14 - Version 2 |

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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 6GB RAM, 128GB 8GB RAM, 256GB 8GB RAM |

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| **MAIN CAMERA** | [**Triple**](https://www.gsmarena.com/glossary.php3?term=camera) | 12 MP, f/1.8, 26mm (wide), 1/1.76", 1.8µm, Dual Pixel PDAF, OIS 8 MP, f/2.4, 76mm (telephoto), 1/4.5", 1.0µm, PDAF, OIS, 3x optical zoom 12 MP, f/2.2, 13mm, 123˚ (ultrawide), 1/3.0", 1.12µm |
| [**Features**](https://www.gsmarena.com/glossary.php3?term=camera) | LED flash, auto-HDR, panorama |
| [**Video**](https://www.gsmarena.com/glossary.php3?term=camera) | 4K@30/60fps, 1080p@30/60/240fps, 720p@960fps, HDR10+, gyro-EIS |

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| **SELFIE CAMERA** | [**Single**](https://www.gsmarena.com/glossary.php3?term=secondary-camera) | 32 MP, f/2.2, 26mm (wide), 1/2.74", 0.8µm |
| [**Features**](https://www.gsmarena.com/glossary.php3?term=secondary-camera) | HDR |
| [**Video**](https://www.gsmarena.com/glossary.php3?term=secondary-camera) | 4K@30/60fps, 1080p@30/60fps, gyro-EIS |

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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 |

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| **COMMS** | [**WLAN**](https://www.gsmarena.com/glossary.php3?term=wi-fi) | Wi-Fi 802.11 a/b/g/n/ac/6, dual-band, Wi-Fi Direct, hotspot |
| [**Bluetooth**](https://www.gsmarena.com/glossary.php3?term=bluetooth) | 5.0, 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) | Unspecified |
| [**USB**](https://www.gsmarena.com/glossary.php3?term=usb) | USB Type-C, USB On-The-Go |

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| **FEATURES** | [**Sensors**](https://www.gsmarena.com/glossary.php3?term=sensors) | Fingerprint (under display, optical), accelerometer, gyro, proximity, compass |
|  | Bixby natural language commands and dictation Samsung Pay (Visa, MasterCard certified) |

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| **BATTERY** | [**Type**](https://www.gsmarena.com/glossary.php3?term=rechargeable-battery-types) | Li-Ion 4500 mAh, non-removable |
| [**Charging**](https://www.gsmarena.com/glossary.php3?term=battery-charging) | Fast charging 25W, 50% in 30 min (advertised) Fast wireless charging 15W Reverse wireless charging USB Power Delivery 3.0 |

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| **MISC** | [**Colors**](https://www.gsmarena.com/glossary.php3?term=build) | White, Graphite, Lavender, Olive |
| [**Models**](https://www.gsmarena.com/glossary.php3?term=models) | SM-G990B, SM-G990B/DS, SM-G990U, SM-G990U1, SM-G990W, SM-G990E |
| [**SAR**](https://www.gsmarena.com/glossary.php3?term=sar) | 0.77 W/kg (head)     0.90 W/kg (body) |
| [**SAR EU**](https://www.gsmarena.com/glossary.php3?term=sar) | 0.95 W/kg (head)     1.48 W/kg (body) |
| [**Price**](https://www.gsmarena.com/glossary.php3?term=price) | [$ 534.49 / € 489.00 / £ 433.00 / ₹ 54,999 / C$ 876.20](https://www.gsmarena.com/samsung_galaxy_s21_fe_5g-price-10954.php) |

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| **TESTS** | [**Performance**](https://www.gsmarena.com/glossary.php3?term=benchmarking) | AnTuTu: 566529 (v8), 719696 (v9) GeekBench: 3049 (v5.1) GFXBench: 56fps (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_fe_5g-review-2365p3.php#dt) |
| [**Camera**](https://www.gsmarena.com/gsmarena_lab_tests-review-751p5.php) | [Photo](https://www.gsmarena.com/piccmp.php3?idType=1&idPhone1=10954&nSuggest=1) / [Video](https://www.gsmarena.com/vidcmp.php3?idType=3&idPhone1=10954&nSuggest=1) |
| [**Loudspeaker**](https://www.gsmarena.com/gsmarena_lab_tests-review-751p7.php) | [-26.9 LUFS (Good)](https://www.gsmarena.com/samsung_galaxy_s21_fe_5g-review-2365p3.php#lt) |
| [**Battery life**](https://www.gsmarena.com/gsmarena_lab_tests-review-751p6.php) | [Endurance rating 92h](https://www.gsmarena.com/samsung_galaxy_s21_fe_5g-10954.php) |
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