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| **NETWORK** | [**Technology**](https://www.gsmarena.com/network-bands.php3) | [GSM / CDMA / HSPA / EVDO / LTE](https://www.gsmarena.com/samsung_galaxy_s20_fe_4g-10428.php) |
| [**2G bands**](https://www.gsmarena.com/network-bands.php3) | GSM 850 / 900 / 1800 / 1900 - SIM 1 & SIM 2 (Dual SIM model only) |
|  | CDMA 800 / 1900 & TD-SCDMA |
| [**3G bands**](https://www.gsmarena.com/network-bands.php3) | HSDPA 850 / 900 / 1700(AWS) / 1900 / 2100 |
|  | CDMA2000 1xEV-DO |
| [**4G bands**](https://www.gsmarena.com/network-bands.php3) | LTE |
| [**Speed**](https://www.gsmarena.com/glossary.php3?term=3g) | HSPA 42.2/5.76 Mbps, LTE-A (CA) |

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| **LAUNCH** | [**Announced**](https://www.gsmarena.com/glossary.php3?term=phone-life-cycle) | Exp. announcement 2020, September |
| [**Status**](https://www.gsmarena.com/glossary.php3?term=phone-life-cycle) | [Rumored](https://www.gsmarena.com/samsung_galaxy_s20_fe_4g-10428.php). Exp. release 2020, October |

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| **BODY** | [**Dimensions**](https://www.gsmarena.com/samsung_galaxy_s20_fe_4g-10428.php) | 159.8 x 74.5 x 8.4 mm (6.29 x 2.93 x 0.33 in) |
| [**Weight**](https://www.gsmarena.com/samsung_galaxy_s20_fe_4g-10428.php) | 190 g (6.70 oz) |
| [**Build**](https://www.gsmarena.com/glossary.php3?term=build) | Glass front (Gorilla Glass 3), plastic back, aluminum frame |
| [**SIM**](https://www.gsmarena.com/glossary.php3?term=sim) | 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) |

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| **DISPLAY** | [**Type**](https://www.gsmarena.com/glossary.php3?term=display-type) | Super AMOLED capacitive touchscreen, 16M colors |
| [**Size**](https://www.gsmarena.com/samsung_galaxy_s20_fe_4g-10428.php) | 6.5 inches, 102.0 cm2 (~85.7% screen-to-body ratio) |
| [**Resolution**](https://www.gsmarena.com/glossary.php3?term=resolution) | 1080 x 2400 pixels, 20:9 ratio (~405 ppi density) |
| [**Protection**](https://www.gsmarena.com/glossary.php3?term=screen-protection) | Corning Gorilla Glass 3 |
|  | HDR10+ Always-on display 120Hz refresh rate |

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| **PLATFORM** | [**OS**](https://www.gsmarena.com/glossary.php3?term=os) | Android 10, One UI 2.5 |
| [**Chipset**](https://www.gsmarena.com/glossary.php3?term=chipset) | Exynos 990 (7 nm+) |
| [**CPU**](https://www.gsmarena.com/glossary.php3?term=cpu) | Octa-core (2x2.73 GHz Mongoose M5 & 2x2.50 GHz Cortex-A76 & 4x2.0 GHz Cortex-A55) |
| [**GPU**](https://www.gsmarena.com/glossary.php3?term=gpu) | Mali-G77 MP11 |

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| **MEMORY** | [**Card slot**](https://www.gsmarena.com/glossary.php3?term=memory-card-slot) | microSDXC (uses shared SIM slot) |
| [**Internal**](https://www.gsmarena.com/glossary.php3?term=dynamic-memory) | 128GB 6GB RAM, 256GB 6GB RAM |
|  | UFS 3.1 |

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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/2.0, 73mm (telephoto), 1/4.5", 1.0µm, PDAF, OIS, 3x optical zoom 12 MP, f/2.2, 123˚, 13mm (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) | 8K, 4K, 1080p, gyro-EIS |

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| **SELFIE CAMERA** | [**Single**](https://www.gsmarena.com/glossary.php3?term=secondary-camera) | 32 MP, f/2.0, 26mm (wide), 1/2.74", 0.8µm, AF |
| [**Features**](https://www.gsmarena.com/glossary.php3?term=secondary-camera) | HDR |
| [**Video**](https://www.gsmarena.com/glossary.php3?term=secondary-camera) | 4K, 1080p |

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| **SOUND** | [**Loudspeaker**](https://www.gsmarena.com/glossary.php3?term=loudspeaker) | Yes |
| [**3.5mm jack**](https://www.gsmarena.com/glossary.php3?term=audio-jack) | Yes |
|  | 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/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) | Type-C 1.0 reversible connector, 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 |
|  | Bixby natural language commands and dictation |

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| **BATTERY** | [**Type**](https://www.gsmarena.com/glossary.php3?term=rechargeable-battery-types) | Li-Po 4500 mAh, non-removable |
| [**Charging**](https://www.gsmarena.com/glossary.php3?term=battery-charging) | Fast charging 15W Reverse wireless charging 4.5W |

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| **MISC** | [**Colors**](https://www.gsmarena.com/glossary.php3?term=build) | White, Blue, Orange, Lavender, Green, Red |
| [**Models**](https://www.gsmarena.com/glossary.php3?term=models) | SM-G780F |