

Samsung Galaxy S20 FE 5G Specifications

NETWORK	<u>Technology</u>	<u>GSM / CDMA / HSPA / EVDO / LTE / 5G</u>
LAUNCH	<u>Announced</u>	2020, September 23
	<u>Status</u>	Available. Released 2020, October 02
BODY	<u>Dimensions</u>	159.8 x 74.5 x 8.4 mm (6.29 x 2.93 x 0.33 in)
	<u>Weight</u>	190 g (6.70 oz)
	<u>Build</u>	Glass front (Gorilla Glass 3), plastic back, aluminum frame
	<u>SIM</u>	Single SIM (Nano-SIM) or Hybrid Dual SIM (Nano-SIM, dual stand-by)
		IP68 dust/water resistant (up to 1.5m for 30 mins)
DISPLAY	<u>Type</u>	Super AMOLED, 120Hz, HDR10+
	<u>Size</u>	6.5 inches, 101.0 cm ² (~84.8% screen-to-body ratio)
	<u>Resolution</u>	1080 x 2400 pixels, 20:9 ratio (~407 ppi density)
	<u>Protection</u>	Corning Gorilla Glass 3
		Always-on display
PLATFORM	<u>OS</u>	Android 10, upgradable to Android 12, One UI 4.1
	<u>Chipset</u>	Qualcomm SM8250 Snapdragon 865 5G (7 nm+)
	<u>CPU</u>	Octa-core (1x2.84 GHz Kryo 585 & 3x2.42 GHz Kryo 585 & 4x1.8 GHz Kryo 585)
	<u>GPU</u>	Adreno 650
MEMORY	<u>Card slot</u>	microSDXC (uses shared SIM slot)
	<u>Internal</u>	128GB 6GB RAM, 128GB 8GB RAM, 256GB 8GB RAM
		UFS 3.1
MAIN CAMERA	<u>Triple</u>	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
	<u>Features</u>	LED flash, auto-HDR, panorama
	<u>Video</u>	4K@30/60fps, 1080p@30/60fps, gyro-EIS
SELFIE CAMERA	<u>Single</u>	32 MP, f/2.2, 26mm (wide), 1/2.74", 0.8µm
	<u>Features</u>	HDR
	<u>Video</u>	4K@30/60fps, 1080p@30/60fps, gyro-EIS
SOUND	<u>Loudspeaker</u>	Yes, with stereo speakers
	<u>3.5mm jack</u>	No
		32-bit/384kHz audio Tuned by AKG
COMMS	<u>WLAN</u>	Wi-Fi 802.11 a/b/g/n/ac/6, 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>	No
	<u>USB</u>	USB Type-C 3.2, USB On-The-Go
FEATURES	<u>Sensors</u>	Fingerprint (under display, optical), accelerometer, gyro, compass Virtual proximity sensing Bixby natural language commands and dictation Samsung Pay (Visa, MasterCard certified)

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BATTERY	<u>Type</u>	Li-Ion 4500 mAh, non-removable
	<u>Charging</u>	Fast charging 25W Fast wireless charging 15W Reverse wireless charging 4.5W USB Power Delivery 3.0
MISC	<u>Colors</u>	Cloud Lavender, Cloud Mint, Cloud Navy, Cloud White, Cloud Red, Cloud Orange
	<u>Models</u>	SM-G781B, SM-G781B/DS, SM-G781U, SM-G781U1, SM-G781W, SM-G7810, SM-G781N, SM-G781V
	<u>SAR</u>	0.70 W/kg (head) 0.82 W/kg (body)
	<u>SAR EU</u>	0.50 W/kg (head) 1.35 W/kg (body)
TESTS	<u>Price</u>	\$ 489.95 / C\$ 699.99 / £ 449.99 / € 459.95 / ₹ 36,100 / Rp 6,899,000
	<u>Performance</u>	AnTuTu: 543986 (v8) GeekBench: 3296 (v5.1) GFXBench: 45fps (ES 3.1 onscreen)
	<u>Display</u>	Contrast ratio: Infinite (nominal)
	<u>Camera</u>	Photo / Video
	<u>Loudspeaker</u>	-26.3 LUFS (Good)
	<u>Battery life</u>	Endurance rating 110h