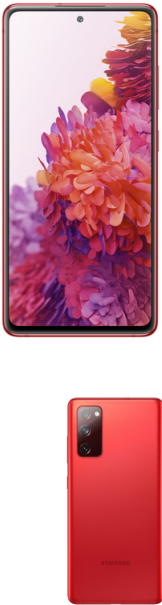


Samsung Galaxy S20 FE SM-G780F 16.5 cm (6.5") Android 10 4G  
USB Type-C 6 GB 128 GB 4500 mAh Red

Brand : Samsung                      Product family: Galaxy                      Product code: SM-G780FZRDEUB

Product name : SM-G780F



6.5", 1080 x 2400, Super AMOLED, Exynos 990, Octa-core, Wi-Fi 6, Type-C, 4500mAh, Mali-G77 MP11, Android

Samsung Galaxy S20 FE SM-G780F. Display diagonal: 16.5 cm (6.5"), Display resolution: 1080 x 2400 pixels. Processor frequency: 2.73 GHz, Processor family: Samsung Exynos, Processor model: 990. RAM capacity: 6 GB, RAM type: LPDDR5, Internal storage capacity: 128 GB. Rear camera resolution (numeric): 12 MP, Rear camera type: Triple camera. Operating system installed: Android 10. Battery capacity: 4500 mAh. Product colour: Red. Weight: 190 g

Display		Network	
Display diagonal *	16.5 cm (6.5")	4G bands supported	700,850,900,1800,1900,2100,2300,2600 MHz
Screen shape	Flat	Tethering (modem-mode)	✓
Display technology marketing name	Super AMOLED	Wi-Fi Direct	✓
Panel type	OLED	Miracast	✓
Display glass type	Gorilla Glass	MIMO	✓
Gorilla Glass version	Gorilla Glass 3	Near Field Communication (NFC)	✓
Display resolution *	1080 x 2400 pixels	Subscription	
Display number of colours	16 million colours	Subscription type *	No subscription
Native aspect ratio	20:9	Ports & interfaces	
Maximum refresh rate	120 Hz	USB port	✓
Display brightness	420 cd/m²	USB connector type	USB Type-C
High Dynamic Range (HDR) supported	✓	USB version	3.2 Gen 1 (3.1 Gen 1)
Touchscreen type	Capacitive	Messaging	
Pixel density	407 ppi	Short Message Service (SMS)	✓
Rounded display corners	✓	Multimedia Messaging Service (MMS)	✓
Processor		E-mail	✓
Processor family *	Samsung Exynos	Navigation	
Processor model *	990	GPS (satellite)	✓
Processor cores	8	GLONASS	✓
Processor frequency *	2.73 GHz	BeiDou	✓
Coprocessor	✓	Galileo	✓
Storage		Position location *	✓
RAM capacity *	6 GB	Wi-Fi positioning	✓
RAM type	LPDDR5		
Internal storage capacity *	128 GB		
Compatible memory cards *	MicroSD (TransFlash)		
Maximum memory card size	1 TB		
USB mass storage	✓		

Camera		Design	
Rear camera resolution (numeric) *	12 MP	Form factor *	Bar
Second rear camera resolution (numeric)	12 MP	Product colour *	Red
Third rear camera resolution (numeric)	8 MP	Colour name	Cloud Red
Rear camera aperture number	1.8	Protection features	Dust resistant, Water resistant
Second rear camera aperture number	2.2	<b>Performance</b>	
Third rear camera aperture number	2.4	Fast charging	✓
Rear camera pixel size	1.8 µm	Wireless charging	✓
Second rear camera pixel size	1 µm	Fingerprint reader	✓
Third rear camera pixel size	1.12 µm	Face recognition	✓
Rear camera field of view (FOV) angle	79°	Speakerphone	✓
Second rear camera field of view (FOV) angle	123°	Voice dialling	✓
Optical zoom	3x	Voice commands	✓
Digital zoom	30x	USB On-The-Go support	✓
Front camera type *	Single camera	Vibrating alert	✓
Front camera resolution (numeric) *	32 MP	<b>Multimedia</b>	
Front camera aperture number	2.2	Speakers	stereo
Front camera pixel size	0.8 µm	Audio system	Dolby Atmos
Front camera field of view (FOV) angle	81°	Audio formats supported	3GA, AAC, AMR, APE, AWB, DFF, DSF, FLAC, IMY, M4A, Mid, MIDI, MP3, MXMF, OGA, OGG, OTA, RTTTL, RTX, WAV, WMA, XMF
Rear camera flash *	✓	Video formats supported	3G2, 3GP, ASF, AVI, FLV, M4V, MKV, MP4, WEBM, WMV
Flash type	LED	Voice codecs	LDAC
Video capture resolution (max)	7680 x 4320 pixels	<b>Software</b>	
Maximum frame rate	960 fps	Platform *	Android
Resolution at capture speed	1280x720@30fps, 1920x1080@30fps, 1920x1080@60fps, 3840x2160@30fps, 3840x2160@60fps	Operating system installed *	Android 10
		App distribution platform	Google Play
Video recording modes	720p, 1080p, 2160p	Google applications	Gmail, Google Maps, Google Play
Rear camera type *	Triple camera	Virtual assistant	Samsung Bixby
Auto focus	✓	<b>Battery</b>	
Face detection	✓	Wireless Power Share	✓
Image stabilizer	✓	Battery capacity *	4500 mAh
Geotagging	✓	Talk time (4G)	23 h
Multi-shot	✓	Browsing time (Wi-Fi)	16 h
Self-timer	✓	Browsing time (4G)	14 h
Night mode	✓	Continuous audio playback time	70 h
Auto exposure	✓	Continuous video playback time	17 h
Smile detection	✓	<b>Sensors</b>	
<b>Network</b>		Proximity sensor	✓
Mobile network generation *	4G	Accelerometer	✓
SIM card type *	NanoSIM	Ambient light sensor	✓
3G standards *	HSPA+, HSUPA, UMTS, WCDMA	Gyroscope	✓
4G standard *	LTE-TDD & LTE-FDD	Barometer	✓
Wi-Fi	✓	Geomagnetic sensor	✓
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax)	Hall sensor	✓
		<b>Endurance</b>	
Bluetooth *	✓	International Protection (IP) code *	IP68
Bluetooth version	5.0	<b>Weight &amp; dimensions</b>	
Bluetooth profiles	A2DP, AVRCP, HFP, HID, HOGP, HSP, OPP, PAN, PBAP, SAP	Width	74.5 mm
aptX technology	✓	Depth	8.4 mm
3G bands supported	850,900,1800,1900,2100 MHz	Height	159.8 mm
		Weight *	190 g
		<b>Certificates</b>	
		Head SAR (EU)	0.241 W/kg

Certificates	
Body SAR (EU)	1.447 W/kg
Packaging content	
AC adapter included *	✓
Quick start guide	✓
Cables included	USB Type-C
SIM card ejector pin	✓
Other features	
Touchscreen	✓
Repairability index	8.1



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