

Samsung Galaxy S20 FE 5G SM-G781B 16.5 cm (6.5") Android 10
USB Type-C 6 GB 128 GB 4500 mAh Orange

Brand : Samsung Product family: Galaxy Product code: SM-G781BZODEUA

Product name : SM-G781B

- Pro-grade Camera
- Space Zoom
- Single Take
Galaxy S20 FE 5G
Samsung Galaxy S20 FE 5G SM-G781B. Display diagonal: 16.5 cm (6.5"), Display resolution: 2400 x 1080 pixels. Processor frequency: 2.8 GHz, Processor family: Qualcomm Snapdragon, Processor model: 865. 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: Orange. Weight: 190 g



Display		Network	
Display diagonal *	16.5 cm (6.5")	Wi-Fi Direct	✓
Display technology marketing name	Super AMOLED	MIMO	✓
Panel type	OLED	Near Field Communication (NFC)	✓
Display glass type	Gorilla Glass	Subscription	
Gorilla Glass version	Gorilla Glass 3	Subscription type *	No subscription
Display resolution *	2400 x 1080 pixels	Ports & interfaces	
Display number of colours	16 million colours	USB port *	✓
Native aspect ratio	20:9	USB connector type	USB Type-C
Maximum refresh rate	120 Hz	USB version	3.2 Gen 1 (3.1 Gen 1)
Display brightness	420 cd/m²	Messaging	
Touchscreen type	Capacitive	Short Message Service (SMS)	✓
Pixel density	407 ppi	Multimedia Messaging Service (MMS)	✓
Rounded display corners	✓	E-mail	✓
Processor		Design	
Processor family *	Qualcomm Snapdragon	Form factor *	Bar
Processor model *	865	Product colour *	Orange
Processor cores	8	Colour name	Cloud Orange
Processor frequency *	2.8 GHz	International Protection (IP) code	IP68
Storage		Protection features	Dust resistant, Water resistant
RAM capacity *	6 GB	Performance	
RAM type	LPDDR5	Fast charging	✓
Internal storage capacity *	128 GB	Wireless charging	✓
Compatible memory cards *	MicroSD (TransFlash)	Fingerprint reader	✓
Maximum memory card size	1 TB	Face recognition	✓
USB mass storage	✓	Speakerphone	✓
Camera		Voice dialling	✓
Rear camera resolution (numeric) *	12 MP	Voice commands	✓
Second rear camera resolution (numeric)	12 MP		

Camera		Performance	
Third rear camera resolution (numeric)	8 MP	USB On-The-Go support	✓
Rear camera aperture number	1.8	Vibrating alert	✓
Second rear camera aperture number	2.2	Navigation	
Third rear camera aperture number	2.4	GPS (satellite)	✓
Rear camera pixel size	1.8 µm	GLONASS	✓
Second rear camera pixel size	1.12 µm	BeiDou	✓
Third rear camera pixel size	1 µm	Galileo	✓
Rear camera field of view (FOV) angle	79°	Position location *	✓
Second rear camera field of view (FOV) angle	123°	Wi-Fi positioning	✓
Optical zoom	3x	Multimedia	
Digital zoom	30x	Speakers	stereo
Front camera type *	Single camera	Audio system	Dolby Atmos
Front camera resolution (numeric) *	32 MP	Speaker power	1.2 W
Front camera aperture number	2.2	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
Front camera pixel size	0.8 µm	Video formats supported	3G2, 3GP, ASF, AVI, FLV, M4V, MKV, MP4, WEBM, WMV
Front camera field of view (FOV) angle	81°	Voice codecs	AAC, AMR
Rear camera flash *	✓	Software	
Flash type	LED	Platform *	Android
Video capture resolution (max)	7680 x 4320 pixels	Operating system installed *	Android 10
Maximum frame rate	960 fps	App distribution platform	Google Play
Resolution at capture speed	1280x720@30fps,	Google applications	Google Maps, Google Play
	1920x1080@30fps,	Virtual assistant	Samsung Bixby
	1920x1080@60fps,	Battery	
Video recording modes	3840x2160@30fps,	Battery voltage	3.86 V
	3840x2160@60fps	Removable battery	✗
		Battery capacity *	4500 mAh
Video recording modes	720p, 1080p, 2160p	Talk time (4G)	32 h
Rear camera type *	Triple camera	Browsing time (Wi-Fi)	14 h
Auto focus	✓	Browsing time (4G)	15 h
Image stabilizer	✓	Continuous audio playback time	81 h
Geotagging	✓	Continuous video playback time	19 h
Multi-shot	✓	Sensors	
Self-timer	✓	Proximity sensor	✓
Night mode	✓	Accelerometer	✓
Auto exposure	✓	Ambient light sensor	✓
Smile detection	✓	Gyroscope	✓
Network		Geomagnetic sensor	✓
Mobile network generation *	5G	Hall sensor	✓
SIM card type *	NanoSIM	Weight & dimensions	
3G standards *	HSDPA, HSPA+, HSUPA, UMTS	Width	74.5 mm
4G standard *	LTE-TDD & LTE-FDD	Depth	8.4 mm
Voice over LTE (VoLTE) supported	✓	Height	159.8 mm
Wi-Fi *	✓	Weight *	190 g
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax)	Certificates	
		Head SAR (EU)	0.503 W/kg
		Body SAR (EU)	1.355 W/kg
Bluetooth *	✓	Extremities SAR (EU)	3.11 W/kg
Bluetooth version	5.0	Packaging content	
Bluetooth profiles	A2DP, AVRCP, DI, HFP, HID, HOGP, HSP, MAP, OPP, PAN, PBAP	AC adapter included	✓
aptX technology	✓	Quick start guide	✓
3G bands supported	850,900,1800,1900,2100 MHz	Cables included	USB Type-C
4G bands supported	700,850,900,1800,1900,2100,2300,2600 MHz	SIM card ejector pin	✓
Tethering (modem-mode)	✓		

Other features	
Touchscreen	✓
Technical details	
Repairability index	8.1



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