

Samsung Galaxy S20 FE 5G SM-G781B/DS 6.5" Dual SIM Android 10 USB Type-C 6 GB 128 GB 4500 mAh Orange

Brand : Samsung

Product family: Galaxy

Article code: SM-G781BZODEUE

Product name : SM-G781B/DS

Samsung Galaxy S20 FE 5G SM-G781B/DS. Display diagonal: 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. SIM card capability: Dual SIM. Operating system installed: Android 10. Battery capacity: 4500 mAh. Product color: Orange. Weight: 6.7 oz (190 g)



Display		Network	
Display diagonal *	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 colors	16 million colors	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		Navigation	
Processor family *	Qualcomm Snapdragon	GPS (satellite)	✓
Processor model *	865	GLONASS	✓
Processor cores	8	BeiDou	✓
Processor frequency *	2.8 GHz	Galileo	✓
Storage		Position location *	✓
RAM capacity *	6 GB	Wi-Fi positioning	✓
RAM type	LPDDR5	Design	
Internal storage capacity *	128 GB	Form factor *	Bar
Compatible memory cards *	MicroSD (TransFlash)	Product color *	Orange
Maximum memory card size	1 TB	Color name	Cloud Orange
USB mass storage	✓	Protection features	Dust resistant, Water resistant
Camera		Performance	
Rear camera resolution (numeric) *	12 MP	Fast charging	✓
Second rear camera resolution (numeric)	12 MP	Wireless charging	✓
Third rear camera resolution (numeric)	8 MP	Fingerprint reader	✓
Rear camera aperture number	1.8	Face recognition	✓
Second rear camera aperture number	2.2		
Third rear camera aperture number	2.4		

Camera		Performance	
Rear camera pixel size	1.8 µm	Speakerphone	✓
Second rear camera pixel size	1.12 µm	Voice dialing	✓
Third rear camera pixel size	1 µm	Voice commands	✓
Rear camera field of view (FOV) angle	79°	USB On-The-Go support	✓
Second rear camera field of view (FOV) angle	123°	Vibrating alert	✓
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		3G2, 3GP, ASF, AVI, FLV, M4V, MKV, MP4, WEBM, WMV
Front camera field of view (FOV) angle	81°	Video formats supported	MP4, WEBM, WMV
Rear camera flash *	✓	Voice codecs	AAC, AMR
Flash type	LED	Software	
Video capture resolution (max)	7680 x 4320 pixels	Platform *	Android
Maximum frame rate	960 fps	Operating system installed *	Android 10
Resolution at capture speed	1280x720@30fps, 1920x1080@30fps, 1920x1080@60fps, 3840x2160@30fps, 3840x2160@60fps	App distribution platform	Google Play
		Google applications	Google Maps, Google Play
Video recording modes	720p, 1080p, 2160p	Virtual assistant	Samsung Bixby
Rear camera type *	Triple camera	Battery	
Auto focus	✓	Battery voltage	3.86 V
Image stabilizer	✓	Removable battery	✗
Geotagging	✓	Battery capacity *	4500 mAh
Multi-shot	✓	Talk time (4G)	32 h
Self-timer	✓	Browsing time (Wi-Fi)	14 h
Night mode	✓	Browsing time (4G)	15 h
Auto exposure	✓	Continuous audio playback time	81 h
Smile detection	✓	Continuous video playback time	19 h
Network		Sensors	
SIM card capability *	Dual SIM	Proximity sensor	✓
Mobile network generation *	5G	Accelerometer	✓
SIM card type *	NanoSIM	Ambient light sensor	✓
3G standards *	HSDPA, HSPA+, HSUPA, UMTS	Gyroscope	✓
4G standard *	LTE-TDD & LTE-FDD	Geomagnetic sensor	✓
Voice over LTE (VoLTE) supported	✓	Hall sensor	✓
Wi-Fi	✓	Endurance	
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax)	International Protection (IP) code *	IP68
		Weight & dimensions	
Bluetooth *	✓	Width	2.93" (74.5 mm)
Bluetooth version	5.0	Depth	0.331" (8.4 mm)
Bluetooth profiles	A2DP, AVRCP, DI, HFP, HID, HOGP, HSP, MAP, OPP, PAN, PBAP	Height	6.29" (159.8 mm)
aptX technology	✓	Weight *	6.7 oz (190 g)
3G bands supported	850,900,1800,1900,2100 MHz	Certificates	
4G bands supported	700,850,900,1800,1900,2100,2300,2600 MHz	Head SAR (EU)	0.503 W/kg
Tethering (modem-mode)	✓	Body SAR (EU)	1.355 W/kg
		Extremities SAR (EU)	3.11 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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