

Samsung Galaxy S20 5G 15.8 cm. (6.2 inches) Android 10 USB Type-C 12 GB 128 GB 4000 mAh

Brand : Samsung Product family: Galaxy Product code: SM-G981BZADEUA

Product name : S20 5G



Display		Network	
Display diagonal *	15.8 cm (6.2")	Near Field Communication (NFC)	✓
Screen shape	Curved edge screen	Subscription	
Display technology marketing name	Dynamic AMOLED 2X	Subscription type *	No subscription
Panel type	OLED	Ports & interfaces	
Display glass type	Gorilla Glass	USB port	✓
Gorilla Glass version	Gorilla Glass 6	USB connector type	USB Type-C
Display resolution *	3200 x 1440 pixels	USB version	2.0/3.2 Gen 1 (3.1 Gen 1)
Display number of colours	16 million colours	ANT+ enabled	✓
Native aspect ratio	20:9	Messaging	
Maximum refresh rate	120 Hz	Short Message Service (SMS)	✓
Touch technology	Multi-touch	Multimedia Messaging Service (MMS)	✓
High Dynamic Range (HDR) supported	✓	Instant messaging (IM)	✓
High Dynamic Range (HDR) technology	High Dynamic Range 10+ (HDR10 Plus)	Chat	✓
Touchscreen type	Capacitive	E-mail	✓
Pixel density	563 ppi	Text prediction system	✓
Rounded display corners	✓	Design	
Processor		Form factor *	Bar
Processor family *	Samsung Exynos	Product colour *	Grey
Processor model *	990	Colour name	Cosmic Gray
Processor cores	8	International Protection (IP) code	IP68
Processor frequency *	2.73 GHz		
Processor lithography	7 nm		

Processor		Design	
Cores frequencies	2x 2.73GHz + 2x 2.5GHz + 4x 2.0GHz	Protection features	Dust resistant, Water resistant
Storage		Performance	
RAM capacity *	12 GB	Fast charging	✓
RAM type	LPDDR5	Wireless charging	✓
Internal storage capacity *	128 GB	Fingerprint reader	✓
Compatible memory cards *	MicroSD (TransFlash)	Face recognition	✓
Maximum memory card size	1 TB	Personal info management (PIM)	Alarm clock, Calculator, Calendar, Notes
USB mass storage	✓	Speakerphone	✓
Camera		Flight mode	✓
Rear camera sensor size	1/1.76"	Personalization	Icons, Menu, Shortcuts
Rear camera resolution (numeric) *	12 MP	Support for contact groups	✓
Second rear camera resolution (numeric)	12 MP	Microphone mute	✓
Third rear camera resolution (numeric)	64 MP	Themes	Wallpapers
Rear camera resolution	9248 x 6936 pixels	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	Assisted GPS (A-GPS)	✓
Rear camera pixel size	1.8 µm	GPS (satellite)	✓
Second rear camera pixel size	1.4 µm	GLONASS	✓
Third rear camera pixel size	0.8 µm	BeiDou	✓
Rear camera field of view (FOV) angle	79°	Galileo	✓
Second rear camera field of view (FOV) angle	120°	Position location *	✓
Third rear camera field of view (FOV) angle	76°	Wi-Fi positioning	✓
Optical zoom	3x	Multimedia	
Digital zoom	30x	Speakers	stereo
Front camera type *	Single camera	Supported video modes	720p, 1080p, 2160p, 4320p
Front camera resolution (numeric) *	10 MP	Audio system	Dolby Atmos
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	1.22 µm		3G2, 3GP, ASF, AVI, FLV, M4V, MKV, MP4, WEBM, WMV
Front camera field of view (FOV) angle	80°	Video formats supported	BMP, GIF, HEIF, JPEG, PNG, WBMP, WEBP
Rear camera flash *	✓	Image formats supported	
Flash type	LED	Call management	
Video capture resolution (max)	7680 x 4320 pixels	Call waiting	✓
Resolution at capture speed	1280x720@30fps,	Call divert	✓
	1280x720@960fps,	Call hold	✓
	1920x1080@240fps,	Caller ID	✓
	1920x1080@30fps,	Conference call	✓
	1920x1080@60fps,	Speed dialling	✓
Video recording modes	3840x2160@30fps,	Call timer	✓
	3840x2160@60fps	Software	
Rear camera type *	Triple camera	Platform *	Android
Auto focus	✓	Operating system installed *	Android 10
Zoom capability	✓	App distribution platform	Google Play
Video recording	✓	Google applications	Google Maps, Google Play
Video stabilizer	✓	Virtual assistant	Samsung Bixby
Image stabilizer	✓	Battery	
Geotagging	✓	Removable battery	✗
Multi-shot	✓	Battery capacity *	4000 mAh
Self-timer	✓	Sensors	
Night mode	✓	Proximity sensor	✓
Network			
Mobile network generation *	5G		

Network		Sensors	
SIM card type *	NanoSIM + eSIM	Accelerometer	✓
2G standards	Edge, GPRS, GSM	Ambient light sensor	✓
3G standards *	HSDPA, HSPA+, HSUPA, UMTS	Gyroscope	✓
4G standard *	LTE	Orientation sensor	✓
Wi-Fi	✓	Barometer	✓
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax)	Geomagnetic sensor	✓
Bluetooth *	✓	Hall sensor	✓
Bluetooth version	5.0	Weight & dimensions	
3G bands supported	850,900,1900,2100 MHz	Width	69.1 mm
Tethering (modem-mode)	✓	Depth	7.9 mm
Wi-Fi Direct	✓	Height	151.7 mm
MIMO	✓	Weight *	163 g
		Certificates	
		Head SAR (EU)	0.382 W/kg
		Body SAR (EU)	1.525 W/kg
		Extremities SAR (EU)	1.79 W/kg
		Packaging content	
		AC adapter included *	✓
		Quick start guide	✓
		Cables included	USB Type-C
		Manual	✓
		SIM card ejector pin	✓
		Other features	
		Touchscreen	✓
		Repairability index	5.7



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