

Samsung Galaxy S20 15.8 cm (6.2") Android 10.0 4G USB Type-C 8 GB 128 GB 4000 mAh Pink

Brand : Samsung

Product family: Galaxy

Product code: SM-G980FZIDEUA

Product name : S20

6.2", Quad HD+ (3200x1440) Dynamic AMOLED 120Hz, Exynos 990 Octa-Core 7nm, 8GB RAM, 128GB, 12MP+12MP+64MP/10MP, Wi-Fi 6, 4000mAh, Android 10

Samsung Galaxy S20 . Display diagonal: 15.8 cm (6.2"), Display resolution: 3200 x 1440 pixels, Display type: Dynamic AMOLED 2X. Processor frequency: 2.73 GHz, Processor family: Samsung Exynos, Processor model: 990. RAM capacity: 8 GB, RAM type: LPDDR5, Internal storage capacity: 128 GB. Rear camera resolution (numeric): 12 MP, Rear camera type: Triple camera. Operating system installed: Android 10.0. Battery capacity: 4000 mAh. Product colour: Pink. Weight: 163 g



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

Processor		Performance	
Cores frequencies	2x 2.73GHz + 2x 2.5GHz + 4x 2.0GHz	Fast charging	✔
Storage	RAM capacity * 8 GB RAM type LPDDR5 Internal storage capacity * 128 GB Compatible memory cards * MicroSD (TransFlash) Maximum memory card size 1000 GB USB mass storage ✔	Wireless charging	✔
		Fingerprint reader	✔
		Face recognition	✔
		Personal info management (PIM)	Alarm clock, Calculator, Calendar, Notes
		Speakerphone	✔
		Flight mode	✔
		Personalization	Icons, Menu, Shortcuts
		Support for contact groups	✔
Camera	Rear camera sensor size 1/1.76" Rear camera resolution (numeric) * 12 MP Second rear camera resolution (numeric) 12 MP Third rear camera resolution (numeric) 64 MP Rear camera resolution 9248 x 6936 pixels Rear camera aperture number 1.8 Second rear camera aperture number 2.2 Third rear camera aperture number 2 Rear camera pixel size 1.8 μm Second rear camera pixel size 1.4 μm Third rear camera pixel size 0.8 μm Rear camera field of view (FOV) angle 79° Second rear camera field of view (FOV) angle 120° Third rear camera field of view (FOV) angle 76° Optical zoom 3x Digital zoom 30x Front camera type * Single camera Front camera resolution (numeric) * 10 MP Front camera aperture number 2.2 Front camera pixel size 1.22 μm Front camera field of view (FOV) angle 80° Rear camera flash * ✔ Flash type LED Video capture resolution (max) 7680 x 4320 pixels Resolution at capture speed 1280x720@30fps, 1280x720@960fps, 1920x1080@240fps, 1920x1080@30fps, 1920x1080@60fps, 3840x2160@30fps, 3840x2160@60fps Video recording modes 720p, 1080p, 2160p Rear camera type * Triple camera Auto focus ✔ Zoom capability ✔ Face detection ✔ Video recording ✔ Video stabilizer ✔ Image stabilizer ✔ Geotagging ✔ Multi-shot ✔ Self-timer ✔ Night mode ✔	Microphone mute	✔
		Themes	Wallpapers
		USB On-The-Go support	✔
		Vibrating alert	✔
		Navigation	
		Assisted GPS (A-GPS)	✔
		GPS (satellite)	✔
		GLONASS	✔
		BeiDou	✔
		Galileo	✔
		Position location *	✔
		Wi-Fi positioning	✔
		Multimedia	
		Speakers	stereo
		Supported video modes	720p, 1080p, 2160p, 4320p
		Audio system	Dolby Atmos
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		
Video formats supported	3G2, 3GP, ASF, AVI, FLV, M4V, MKV, MP4, WEBM, WMV		
Image formats supported	BMP, GIF, HEIF, JPEG, PNG, WBMP, WEBP		
Call management			
Call waiting	✔		
Call divert	✔		
Call hold	✔		
Caller ID	✔		
Conference call	✔		
Speed dialling	✔		
Call timer	✔		
Software			
Platform *	Android		
Operating system installed *	Android 10.0		
App distribution platform	Google Play		
Google applications	Gmail, Google Chrome, Google Drive, Google Maps, Google Photos, Google Play, YouTube		
Virtual assistant	Samsung Bixby		
Battery			
Battery capacity *	4000 mAh		
Sensors			
Proximity sensor	✔		
Accelerometer	✔		
Ambient light sensor	✔		
Gyroscope	✔		
Orientation sensor	✔		
Barometer	✔		
Geomagnetic sensor	✔		

Network		Sensors	
2G standards	Edge, GPRS, GSM	Hall sensor	✓
3G standards *	HSDPA, HSPA+, HSUPA, UMTS	Weight & dimensions	
4G standard *	LTE	Width	69.1 mm
Wi-Fi *	✓	Depth	7.9 mm
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax)	Height	151.7 mm
Bluetooth *	✓	Weight *	163 g
Bluetooth version	5.0	Certificates	
3G bands supported	850,900,1900,2100 MHz	Head SAR (EU)	0.279 W/kg
Tethering (modem-mode)	✓	Body SAR (EU)	1.525 W/kg
Wi-Fi Direct	✓	Extremities SAR (EU)	1.79 W/kg
MIMO	✓	Packaging content	
Near Field Communication (NFC)	✓	AC adapter included	✓
		Quick start guide	✓
		Warranty card	✓
		Cables included	USB Type-C
		Manual	✓
		SIM card ejector pin	✓
		Other features	
		Touchscreen	✓
		Technical details	
		Repairability index	5.7



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Publication date: 11-MAY-2023. Prints or copies of Information are only valid on the printed Publication date