

The camera that sees more



The new S20 is made to improve our lives. It's significantly faster and smarter than any other Galaxy Smartphone, and captures all of life's unmissable moments better than ever before. The new Single Take mode combines the most advanced artificial intelligence and a completely re-designed camera that makes any shot look like a professional image. The superb Dynamic AMOLED display with the new ergonomic 20:9 ratio is even smoother and faster with the 120 Hz refresh rate. Thanks to the super-fast 5G connection, the large battery and the power management function, the new S20 lets you enjoy it for longer.

Highlights Galaxy S20 Ultra 5G

- 6.9" Dynamic AMOLED Infinity-O Display (3200×1440 WQHD+), 120 Hz
- Quad rear camera: 108MP Wide (f/1.8) + 12 MP UW (f/2.2) + 48 MP 10× Hybrid Optic Zoom (f/3.5) + ToF, Front camera 40 MP (f/2.2)
- 12 GB DDR5 RAM, 128 GB UFS 3.0 memory | 16 GB DDR5 RAM, 512 GB UFS 3.0 memory, extendable by up to 1 TB with a microSD
- 5000 mAh battery with Fast Charging 2
- On-Display Ultrasonic Fingerprint Sensor
- Hybrid Dual SIM + eSIM
- Wireless PowerShare, IP68

Highlights Galaxy S20+ | S20+ 5G

- 6.7" Dynamic AMOLED Infinity-O Display (3200×1440 WQHD+), 120 Hz
- Quad rear camera: 12 MP Wide (f/1.8) + 12 MP UW (f/2.2) + 64 MP 3× Hybrid Optic Zoom (f/2.0) + ToF, Front camera 10 MP (f/2.2)
- 5G: 12 GB DDR5 RAM, 128 GB UFS 3.0 memory | LTE: 8 GB DDR5 RAM, 128 GB UFS 3.0 Memory, extendable by up to 1 TB with a microSD
- 4500 mAh battery with Fast Charging 2
- On-Display Ultrasonic Fingerprint Sensor
- Hybrid Dual SIM + eSIM
- Wireless PowerShare, IP68

Highlights Galaxy S20 | S20 5G

- 6.2" Dynamic AMOLED Infinity-O Display (3200×1440 WQHD+), 120 Hz
- Triple rear camera: 12 MP Wide (f/1.8) + 12 MP UW (f/2.2) + 64 MP 3× Hybrid Optic Zoom (f/2.0), Front camera 10 MP (f/2.2)
- 5G: 12 GB DDR5 RAM, 128 GB UFS 3.0 memory | LTE: 8 GB DDR5 RAM, 128 GB UFS 3.0 Memory, extendable by up to 1 TB with a microSD
- 4500mAh battery with Fast Charging 2
- On-Display Ultrasonic Fingerprint Sensor
- Hybrid Dual SIM + eSIM
- Wireless PowerShare, IP68

Revolutionary Camera

The new Single Take mode makes any shot look like a professional image. With just one click, the S20 uses all its integrated AI power and the versatile camera to capture up to 12 pictures and videos and combines them with different modes to give you the best shot in any situation.

The S20 Ultra 5G's 108MP camera is incredibly powerful and captures the most precise details, even in the lowest light. Its impressive 100× zoom will make close ups of even the furthest away subject extremely sharp. Never miss a unique moment thanks to video recording with pro resolution of 8K, and save stills in 33MP print quality. The new ultra-wide lens shoots breathtaking panoramas and is ready for the most extreme activities, compensating up to 60° tilts.

Simply the fastest

The new Exynos 990 and the dedicated Neural Processing Unit can operate up to 10 billion calculations every second, enabling the most advanced AI capabilities for taking pictures, gaming, managing power consumption, super-fast 5G connection and securing the device with Knox.

The newly released DDR5 memory delivers 50% faster data access and 30% lower power consumption.

The superb Dynamic AMOLED display with the new ergonomic 20:9 ratio and 120Hz double the device's refresh rate.

For a better life

The sleek design and the premium finish of the S20 provide an incredibly comfortable grip as it sits perfectly in your hand. The new colors are fresh, eye-catching and guarantee long-lasting elegant with Gorilla Glass 6 protecting both the front and back. The S20 is also water-resistant with IP68 certification. The S20 family's large battery can handle the toughest power user and thanks to Super-Fast Charging the battery can be charged up to 50% in under 30 minutes. It can also charge your Galaxy Buds or Galaxy Watch with Wireless PowerShare on the go.

Product details Samsung Galaxy S20

SAMSUNG



GENERAL		
Series	Galaxy S20	
Color, model code and EAN	Cosmic Gray SM-G980FZADEUC 8806090322310 Cloud Blue SM-G980FLBDEUC 8806090322419 Cloud Pink SM-G980FZIDEUC 8806090322778 Cloud White SM-G980FZWDEUC 8806090405020 Enterprise Edition Cosmic Gray SM-G980FZADEEC 8806090443053	
Operating system	Android 10 OneUI 2.0	
Chipset	Exynos 990 7 nm 64 Bit	
CPU speed	Octa Core, up to 2.73 GHz	
Form factor	Mobile	
DISPLAY		
Size	6.2" 563 ppi	6.7" 525 ppi
Resolution and type	3200 × 1440 (WQHD+) 16 million colors 20:9 Dynamic AMOLED 120 Hz Gorilla Glass 6	
S Pen	—	
MEMORY		
RAM	8 GB DDR5	
Internal	128 GB UFS 3.0	
Available memory	microSD (up to 1 TB)	
ENVIRONMENT		
Location finding	GPS, GLONASS, Galileo	
Sensors	Accelerometer, fingerprint sensor, gyro sensor, geomagnetic sensor, Hall sensor, light sensor, proximity sensor	
CAMERA		
Back	Main	12 MP f/1.8 79° 1/1.76" 1.8 µm OIS 2PD
	Ultra-wide	12 MP f/2.2 120° 1/2.55" 1.4 µm
	Zoom	64 MP f/2.0 76° 1/1.72" 0.8 µm OIS 3× Hybrid Optic Zoom
	ToF	— VGA
	—	—
Front	10 MP f/2.2 80° 1/3.24" 1.22 µm 2PD	
Flash, main camera	Yes (flash LED)	
Auto focus main camera	Yes	
CONNECTIVITY		
Mobile	LTE 2.4 Gbps (Cat 20+)	
SIM card	Nano SIM (4FF) Hybrid Dual SIM eSIM	
Wi-Fi	802.11 a/b/g/n/ac/ax 2.4 + 5 GHz, VHT80	
Bluetooth	Bluetooth® v5.0	
USB	USB Type-C	
NFC	Yes	
ANT+	Yes	
DeX MHL	Yes —	
Speaker	Stereo speaker tuned by AKG, Dolby Atmos Surround Sound	
Headphone Internal microphone	1× USB-C headphones 3× microphones (Zoom-in Mic)	
AUDIO AND VIDEO		
Format (video)	MP4, M4V, 3GP, 3G2, WMV, ASF, AVI, FLV, MKV, WEBM	
Resolution video record	UHD 8K (7680 × 4320) @30fps, 33 MP Video Snaps	
Resolution video playback	UHD 8K (7680 × 4320) @30fps	
Format (audio)	MP3, M4A, 3GA, AAC, OGG, OGA, WAV, WMA, AMR, AWB, FLAC, MID, MIDI, XMF, MXMF, IMY, RTTTL, RTX, OTA, DFF, DSF, APE	
SECURITY		
Multi-user	—	
Child mode	Available in Samsung Galaxy Apps	
Device unlocking	Swipe, pattern, PIN, password, facial recognition, ultrasonic in-display fingerprint	
Data security	KNOX	
Water and dust resistance	IP68, Gorilla Glass 6 back	
DIMENSIONS (W × H × D)		
Case	152 × 68 × 7.9 mm	162 × 74 × 7.8 mm
Weight	163 g	187 g
ENERGY		
Battery	4000 mAh	4500 mAh
SAR value		
Fast charging Wireless charging	yes (25 W) yes (15 W) PowerShare	
Replaceable battery	—	
GUARANTEE		
Delivery	Device 2 years Battery 1 year	
	Data cable, travel adapter, USB-C headphones, Quick start guide	

Product Details Samsung Galaxy S20 5G

SAMSUNG



GENERAL					
Series	Galaxy S20 5G		Galaxy S20+ 5G		Galaxy S20 Ultra 5G
Color, model code and EAN	Cosmic Gray SM-G981BZADEUC 8806090322587 Cloud Blue SM-G981BLBDEUC 8806090322686 Cloud Pink SM-G981BZIDEUC 8806090322501 Cloud White SM-G981BZWDEUC 8806090404948		Cosmic Gray SM-G986BZADEUC 8806090306846 Cloud Blue SM-G986BLBDEUC 8806090307126 Cosmic Black SM-G986BZKDEUC 8806090306471 Cloud White SM-G986BZWDEUC 8806090403477 Enterprise Edition Cosmic Black SM-G986BZKDEEC 8806090440021		Cosmic Gray SM-G988BZADEUC 8806090311352 Cosmic Black SM-G988BZKDEUC 8806090311116 Cosmic Gray SM-G988BZAGEUC 8806090311246 Cosmic Black SM-G988BZKGEUC 8806090310881
Operating system	Android 10 OneUI 2.0				
Chipset	Exynos 990 7 nm 64 Bit				
CPU speed	Octa Core 2.8 Ghz + 2.4 Ghz + 1.7 Ghz				
Form factor	Mobile				
DISPLAY					
Size	6.2" 563 ppi		6.7" 525 ppi		6.9" 511 ppi
Resolution and type	3200 × 1440 (WQHD+) 16 million colors 20:9 Dynamic AMOLED 120 Hz Gorilla Glass 6				
S Pen	—				
MEMORY					
RAM	12 GB DDR5		12 GB DDR5	12 GB DDR5	12 GB DDR5
Internal	128 GB UFS 3.0		128 GB UFS 3.0	512 GB UFS 3.0	128 GB UFS 3.0
Available memory	microSD (up to 1 TB)				
ENVIRONMENT					
Location finding	GPS, GLONASS, Galileo				
Sensors	Accelerometer, fingerprint sensor, gyro sensor, geomagnetic sensor, Hall sensor, light sensor, proximity sensor				
CAMERA					
Back	Main	12 MP f/1.8 79° 1/1.76" 1.8 µm OIS 2PD			108 MP f/1.8 79° 1/1.33 0.8 µm OIS PD
	Ultra-wide	12 MP f/2.2 120° 1/2.55" 1.4 µm			
	Zoom	64 MP f/2.0 76° 1/1.72" 0.8 µm OIS 3× Hybrid Optic Zoom			48 MP f/3.6 24° 1/2.0" 0.8 µm OIS 10× Hybrid Optic Zoom
	ToF	—			
	—	—			
Front	10 MP f/2.2 80° 1/3.24" 1.2 µm 2PD			40 MP f/2.2 80° 1/2.8" 0.7 µm PD AF	
Flash, main camera	Yes (flash LED)				
Auto focus main camera	Yes				
CONNECTIVITY					
Mobile	5G TBD				
SIM card	Nano SIM (4FF) Hybrid Dual SIM eSIM				
Wi-Fi	802.11 a/b/g/n/ac/ax 2.4 + 5 GHz, VHT80				
Bluetooth	Bluetooth® v5.0				
USB	USB Type-C				
NFC	Yes				
ANT+	Yes				
DeX MHL	Yes —				
Speaker	Stereo speaker tuned by AKG, Dolby Atmos Surround Sound				
Headphone Internal microphone	1× USB-C headphones 3× microphones (Zoom-in Mic)				
AUDIO AND VIDEO					
Format (video)	MP4, M4V, 3GP, 3G2, WMV, ASF, AVI, FLV, MKV, WEBM				
Resolution video record	UHD 8K (7680 × 4320) @30fps, 33 MP Video Snaps			UHD 8K (7680 × 4320) @24fps, 33 MP Video Snaps	
Resolution video playback	UHD 8K (7680 × 4320) @30fps				
Format (audio)	MP3, M4A, 3GA, AAC, OGG, OGA, WAV, WMA, AMR, AWB, FLAC, MID, MIDI, XMF, MXMF, IMY, RTTTL, RTX, OTA, DFF, DSF, APE				
SECURITY					
Multi-user	—				
Child mode	Available in Samsung Galaxy Apps				
Device unlocking	Swipe, pattern, PIN, password, facial recognition, ultrasonic in-display fingerprint				
Data security	KNOX				
Water and dust resistance	IP68, Gorilla Glass 6 back				
DIMENSIONS (W × H × D)					
Case	152 × 68 × 7.9 mm		162 × 74 × 7.8 mm		167 × 76 × 8.8 mm
Weight	163 g		187 g		220 g
ENERGY					
Battery	4000 mAh		4500 mAh		5000 mAh
SAR value					
Fast charging Wireless charging	yes (25 W) yes (15 W) PowerShare			yes (45W) yes (15 W)	
Replaceable battery	—				
GUARANTEE					
	Device 2 years Battery 1 year				
Delivery	Data cable, travel adapter, USB-C headphones, Quick start guide				

Optional accessories Samsung Galaxy S20

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Galaxy S20 / S20 5G

	Smart Clear View Cover	Black	EF-ZG980CBEGEU	8806090267062		Smart LED View Cover	Black	EF-NG980PBEGEU	8806090273902
		Gray	EF-ZG980CJEGEU	8806090297274			Sky Blue	EF-NG980PLEGEU	8806090273896
		White	EF-ZG980CWEGEU	8806090267024			Pink	EF-NG980PPEGEU	8806090273889
		Sky Blue	EF-ZG980CLEGEU	8806090267055			White	EF-NG980PWEGEU	8806090292231
		Pink	EF-ZG980CPEGEU	8806090267031			Gray	EF-NG980PJEGEU	8806090292248
	Smart LED Cover	Black	EF-KG980CBEGEU	8806090273650		Protective Standing Cover	Black	EF-RG980CBEGEU	8806090264139
		Sky Blue	EF-KG980CLEGEU	8806090273667			Silver	EF-RG980CSEGEU	8806090264108
		Pink	EF-KG980CPEGEU	8806090273636					
		White	EF-KG980CWEGEU	8806090304552					
		Gray	EF-KG980CJEGEU	8806090304590					
	Silicone Cover	Black	EF-PG980TBEGEU	8806090267246		Leather Cover	Black	EF-VG980LBEGEU	8806090266188
		White	EF-PG980TWEGEU	8806090266966			Light Gray	EF-VG980LSEGEU	8806090330247
		Sky Blue	EF-PG980TLEGEU	8806090266980			Sky Blue	EF-VG980LLEGEU	8806090266164
		Pink	EF-PG980TPEGEU	8806090267048			Gray	EF-VG980LJEGEU	8806090302558
		Gray	EF-PG980TJEGEU	8806090302459			Brown	EF-VG980LAEGEU	8806090266171
		Navy	EF-PG980TNEGEU	8806090266973			Red	EF-VG980LREGEU	8806090266133
	Clear Cover	Transparent	EF-QG980TTEGEU	8806090274350					

Galaxy S20+ / S20+ 5G

	Smart Clear View Cover	Black	EF-ZG985CBEGEU	8806090267017		Smart LED View Cover	Black	EF-NG985PBEGEU	8806090273872
		Gray	EF-ZG985CJEGEU	8806090297250			Sky Blue	EF-NG985PLEGEU	8806090273858
		White	EF-ZG985CWEGEU	8806090267222			Pink	EF-NG985PPEGEU	8806090273865
		Sky Blue	EF-ZG985CLEGEU	8806090267000			White	EF-NG985PWEGEU	8806090292347
		Pink	EF-ZG985CPEGEU	8806090267239			Gray	EF-NG985PJEGEU	8806090292262
	Smart LED Cover	Black	EF-KG985CBEGEU	8806090273643		Protective Standing Cover	Black	EF-RG985CBEGEU	8806090264115
		Sky Blue	EF-KG985CLEGEU	8806090273629			Silver	EF-RG985CSEGEU	8806090264122
		Pink	EF-KG985CPEGEU	8806090273612					
		White	EF-KG985CWEGEU	8806090304507					
		Gray	EF-KG985CJEGEU	8806090304514					
	Silicone Cover	Black	EF-PG985TBEGEU	8806090266959		Leather Cover	Black	EF-VG985LBEGEU	8806090266119
		White	EF-PG985TWEGEU	8806090267154			Light Gray	EF-VG985LSEGEU	8806090330223
		Sky Blue	EF-PG985TLEGEU	8806090267185			Sky Blue	EF-VG985LLEGEU	8806090266102
		Pink	EF-PG985TPEGEU	8806090267161			Gray	EF-VG985LJEGEU	8806090302541
		Gray	EF-PG985TJEGEU	8806090302572			Brown	EF-VG985LAEGEU	8806090266126
		Navy	EF-PG985TNEGEU	8806090267192			Red	EF-VG985LREGEU	8806090266089
	Kvadrat Cover	Green	EF-XG985FGEU	8806090273575		Clear Cover	Transparent	EF-QG985TTEGEU	8806090274336
		Red	EF-XG985FREGEU	8806090273568					
		Gray	EF-XG985FJEGEU	8806090273582					

Galaxy S20 Ultra 5G

Galaxy S20 Ultra 5G

	Smart Clear View Cover	Black	EF-ZG988CBEGEU	8806090267215		Smart LED View Cover	Black	EF-NG988PBEGEU	8806090273834
		Gray	EF-ZG988CJEGEU	8806090297243			Gray	EF-NG988PJEGEU	8806090292255
	Smart LED Cover	Black	EF-KG988CBEGEU	8806090273605		Protective Standing Cover	Black	EF-RG988CBEGEU	8806090264146
		Gray	EF-KG988CJEGEU	8806090304484			Silver	EF-RG988CSEGEU	8806090264092
	Silicone Cover	Black	EF-PG988TBEGEU	8806090267178		Leather Cover	Black	EF-VG988LBEGEU	8806090266058
		White	EF-PG988TWEGEU	8806090267109			Light Gray	EF-VG988LSEGEU	8806090330216
		Sky Blue	EF-PG988TLEGEU	8806090267130			Sky Blue	EF-VG988LLEGEU	8806090266034
		Pink	EF-PG988TPEGEU	8806090267123			Gray	EF-VG988LJEGEU	8806090302527
		Gray	EF-PG988TJEGEU	8806090302565			Brown	EF-VG988LAEGEU	8806090266065
		Navy	EF-PG988TNEGEU	8806090267116			Red	EF-VG988LREGEU	8806090266041
	Clear Cover	Transparent	EF-QG988TTEGEU	8806090274343					