SAMSUNG

Samsung Galaxy S22 SM-S901B 15.5 cm (6.1") Dual SIM Android 12 5G USB Type-C 8 GB 128 GB 3700 mAh Black

Brand : Samsung

Product family: Galaxy

Product code: SM-S901BZKDEUB

Product name : SM-S901B

- The biggest leap in our video technology
- The first 4nm processor on Samsung Galaxy
- The battery that lasts beyond 24 hours, even on 5G

SM-S901BZKDEUB

Samsung Galaxy S22 SM-S901B. Display diagonal: 15.5 cm (6.1"), Display resolution: 2340 x 1080 pixels. Processor frequency: 2.5 GHz, Processor family: Samsung Exynos, Processor model: 2200. RAM capacity: 8 GB, Internal storage capacity: 128 GB. Rear camera resolution (numeric): 50 MP, Rear camera type: Triple camera. SIM card capability: Dual SIM. Operating system installed: Android 12. Battery capacity: 3700 mAh. Product colour: Black. Weight: 167 g

Display	
Display diagonal *	15.5 cm (6.1")
Screen shape	Flat
Display technology marketing name	Dynamic AMOLED 2X
Panel type	OLED
Display glass type	Gorilla Glass
Gorilla Glass version	Gorilla Glass 7
Display resolution *	2340 x 1080 pixels
Display number of colours	16 million colours
Native aspect ratio	19.5:9
Contrast ratio (typical)	1000000:1
Maximum refresh rate	120 Hz
Display brightness	500 cd/m²
High Dynamic Range (HDR) supported	✔
High Dynamic Range (HDR) technology	High Dynamic Range 10 (HDR10), High Dynamic Range 10+ (HDR10 Plus)
Touchscreen type	Capacitive
Pixel density	425 ppi
Rounded display corners	✔

Processor	
Processor family *	Samsung Exynos
Processor model *	2200
Processor cores	8
Processor frequency *	2.5 GHz
Processor boost frequency	2.8 GHz

Storage	
User memory	100 GB
RAM capacity *	8 GB

Messaging	
E-mail	✔

Navigation	
GPS (satellite)	✔
GLONASS	✔
BeiDou	✔
Galileo	✔
Quasi-Zenith Satellite System (QZSS)	✔
Position location *	✔

Design	
Form factor *	Bar
Product colour *	Black
Protection features	Dust resistant, Water resistant
Housing material	Aluminium, Glass

Performance	
Video call	✔
Fast charging	✔
Wireless charging	✔
Graphics card	AMD Voyager
Fingerprint reader	✔
Iris recognition	✘
Face recognition	✔
Speakerphone	✔
Vibrating alert	✔
Country of origin	Vietnam

Storage

Internal storage capacity *	128 GB

Camera

Rear camera resolution (numeric) *	50 MP
Second rear camera resolution (numeric)	10 MP
Third rear camera resolution (numeric)	12 MP
Fourth rear camera resolution (numeric)	50 MP
Rear camera aperture number	1.8
Second rear camera aperture number	2.4
Third rear camera aperture number	2.2
Optical zoom	3x
Digital zoom	30x
Front camera type *	Single camera
Front camera resolution (numeric) *	10 MP
Front camera aperture number	2.2
Rear camera flash *	✔
Flash type	LED
Video capture resolution (max)	7680 x 4320 pixels
Maximum frame rate	24 fps
Resolution at capture speed	3840x2160@60fps, 7680x4320@24fps
Video recording modes	2160p, 4320p
Rear camera type *	Triple camera
Auto focus	✔
Face detection	✔
Video stabilizer	✔
Image stabilizer	✔
Image stabilizer type	Optical Image Stabilization (OIS)
Night mode	✔
Panorama	✔
Slow motion mode	✔
Slow motion rate	960fps @HD, 240fps @FHD

Network

SIM card capability *	Dual SIM
Mobile network generation *	5G
SIM card type *	NanoSIM + eSIM
2G standards	GSM
3G standards *	WCDMA
4G standard *	LTE-TDD & LTE-FDD
5G standard *	Sub6 TDD
Voice over LTE (VoLTE) supported	✔
Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Wi-Fi	✔
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax)
Bluetooth *	✔
Bluetooth version	5.2
Bluetooth profiles	A2DP
2G bands (primary SIM)	850,1900,1800,900 MHz
3G bands supported	2100,900,1900,850,1700 MHz
4G bands supported	2100,700,800,1900,850,1800,1500,2300,2600,900,1700,2500 MHz
5G bands supported	2100,700,1900,800,850,1800,2600,900,1700,2300,2500,3700,3500,1500 MHz
Tethering (modem-mode)	✔
Wi-Fi Direct	✔
MIMO	✔
Modulation	1024-QAM
Near Field Communication (NFC)	✔

Subscription

Subscription type *	No subscription

Ports & interfaces

USB port	✔
USB connector type	USB Type-C
USB version	3.2 Gen 1 (3.1 Gen 1)

Multimedia

Speakers	stereo
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, XMF
Video formats supported	3G2, 3GP, AVI, FLV, M4V, MKV, MP4, WEBM

Software

Platform *	Android
Operating system installed *	Android 12
User interface (UI)	One UI 4.1
App distribution platform	Google Play
Virtual assistant	Samsung Bixby

Battery

Battery technology	Lithium-Ion (Li-Ion)
Battery voltage	3.88 V
Battery recharge time	1.17 h
Battery weight	48.8 g
Wireless Power Share	✔
Removable battery	✘
Battery capacity *	3700 mAh
Talk time (4G)	33 h
Browsing time (Wi-Fi)	17 h
Browsing time (4G)	15 h
Wireless audio playback time	57 h
Wireless video playback time	19 h

Sensors

Proximity sensor	✔
Accelerometer	✔
Ambient light sensor	✔
Gyroscope	✔
Barometer	✔
Geomagnetic sensor	✔
Heart rate sensor	✘
Hall sensor	✔

Power

USB Type-C charging port *	✔

Endurance

Repairability index	8.2
International Protection (IP) code *	IP68

Weight & dimensions

Width	70.6 mm
Depth	7.6 mm
Height	146 mm
Weight *	167 g

Packaging data

Package width	87.3 mm
Package depth	27.5 mm
Package height	163.6 mm
Package weight	285 g

Packaging content

Quick start guide	✔
Warranty card	✔
Cables included	USB Type-C

Ports & interfaces	
Headphone connectivity	USB Type-C
Mobile High-Definition Link (MHL)	✗
ANT+ enabled	✗

Messaging	
Short Message Service (SMS)	✔
Multimedia Messaging Service (MMS)	✔

Packaging content	
SIM card ejector pin	✔

Specific absorption rate (SAR)	
Head SAR (EU)	1.21 W/kg
Body SAR (EU)	1.59 W/kg
Extremities SAR (EU)	2.71 W/kg

Logistics data	
Harmonized System (HS) code	85171300
Products per master (outer) case	20 pc(s)
Master (outer) case width	185 mm
Master (outer) case length	181 mm
Master (outer) case height	292 mm
Master (outer) case gross weight	6 kg
Pallet net width	80 cm
Pallet net length	120 cm
Pallet net height	125.4 cm
Pallet net weight	516 kg

Other features	
Touchscreen	✔
Compatibility	Galaxy Buds Pro, Galaxy Buds Live, Galaxy Buds+, Galaxy Buds2, Galaxy Buds, Galaxy Fit2, Galaxy Fit e, Galaxy Fit, Galaxy Watch4, Galaxy Watch3, Galaxy Watch, Galaxy Watch Active2, Galaxy Watch Active, Gear Fit2 Pro, Gear Fit2, Gear Sport, Gear S3, Gear S2, Gear IconX (2018)

Technical details	
Commodity Classification Automated Tracking System (CCATS)	8517120000

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Catalog Object Cloud

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