

Samsung Galaxy Note20 Ultra 5G SM-N986B 17.5 cm (6.9")
Android 10 USB Type-C 12 GB 256 GB 4500 mAh

Brand : Samsung Series : Galaxy Model : SM-N986BZNXSG
SKU : SM-N986B

Samsung Galaxy Note20 Ultra 5G SM-N986B. Screen size: 17.5 cm (6.9"), Resolution: 3088 x 1440 pixels. Processor: 2.73 GHz, Chipset: Samsung Exynos, CPU: 990. RAM: 12 GB, RAM type: LPDDR5, Storage: 256 GB. Camera: 108 MP, Features: 5G. OS: Android 10. Battery: 4500 mAh. Weight: 208 g



Display		Network	
Display diagonal *	17.5 cm (6.9")	Near Field Communication (NFC)	✓
Screen shape	Curved edge screen	Security algorithms	HTTPS
Display technology marketing name	Dynamic AMOLED 2X	Subscription	
Panel type	OLED	Subscription type *	No subscription
Display glass type	Gorilla Glass	Ports & interfaces	
Display resolution *	3088 x 1440 pixels	USB port	✓
Display number of colours	16 million colours	USB connector type	USB Type-C
Contrast ratio (typical)	1000000:1	USB version	3.2 Gen 1 (3.1 Gen 1)
Maximum refresh rate	120 Hz	Messaging	
Display brightness	1500 cd/m²	Short Message Service (SMS)	✓
High Dynamic Range (HDR) supported	✓	Multimedia Messaging Service (MMS)	✓
High Dynamic Range (HDR) technology	High Dynamic Range 10+ (HDR10 Plus)	E-mail	✓
Touchscreen type	Capacitive	Design	
Pixel density	496 ppi	Form factor *	Bar
Fingerprint resistant	✓	Product colour *	Bronze
Rounded display corners	✓	Colour name	Mystic Bronze
Processor		International Protection (IP) code	IP68
Processor family *	Samsung Exynos	Protection features	Dust resistant, Waterproof
Processor model *	990	Performance	
Processor cores	8	Fast charging	✓
Processor frequency *	2.73 GHz	Wireless charging	✓
Coprocessor	✓	Fingerprint reader	✓
Coprocessor frequency	2.5 GHz	Face recognition	✓
Storage		Speakerphone	✓
RAM capacity *	12 GB	Voice dialling	✓
RAM type	LPDDR5		
Internal storage capacity *	256 GB		

Storage		Performance	
Compatible memory cards *	MicroSD (TransFlash)	Voice commands	✓
Maximum memory card size	1 TB	USB On-The-Go support	✓
USB mass storage	✓	Vibrating alert	✓
Camera		Navigation	
Rear camera resolution (numeric) *	108 MP	GPS (satellite)	✓
Second rear camera resolution (numeric)	12 MP	GLONASS	✓
Third rear camera resolution (numeric)	12 MP	BeiDou	✓
Rear camera aperture number	1.8	Galileo	✓
Second rear camera aperture number	2.2	Position location *	✓
Third rear camera aperture number	3	Wi-Fi positioning	✓
Rear camera pixel size	0.8 µm	Multimedia	
Second rear camera pixel size	1.4 µm	Speakers	stereo
Third rear camera pixel size	1 µm	Supported video modes	4320p
Rear camera field of view (FOV) angle	79°	Audio system	Dolby Atmos
Second rear camera field of view (FOV) angle	120°	Audio formats supported	AAC, AC3, AC4, AMR, AMR-NB, AMR-WB, FLAC, M4A, Mid, MIDI, MP3, MXMF, OGG, OTA, RTTTL, RTX, Vorbis, WAV, WMA, XMF
Third rear camera field of view (FOV) angle	20°	Video formats supported	3G2, 3GP, ASF, AVI, H.263, H.264, H.265, M4V, MP4, MPEG4, WEBM, WMV
Optical zoom	5x	Voice codecs	AMR-NB, AMR-WB, EFR, FR
Digital zoom	50x	Software	
Front camera type *	Single camera	Platform *	Android
Front camera resolution (numeric) *	10 MP	Operating system installed *	Android 10
Front camera aperture number	2.2	App distribution platform	Google Play
Front camera pixel size	1.22 µm	Google applications	Google Maps, Google Play
Front camera field of view (FOV) angle	80°	Virtual assistant	Samsung Bixby
Rear camera flash *	✓	Battery	
Flash type	LED	Battery voltage	3.88 V
Optical sensor size	25.4 / 1.33 mm (1 / 1.33")	Battery recharge time	1.16 h
Maximum frame rate	960 fps	Wireless Power Share	✓
Rear camera type *	Triple camera	Removable battery	✗
Auto focus	✓	Battery capacity *	4500 mAh
Face detection	✓	Talk time (4G)	24 h
Video stabilizer	✓	Browsing time (Wi-Fi)	16 h
Image stabilizer	✓	Browsing time (4G)	15 h
Geotagging	✓	Continuous audio playback time	75 h
Self-timer	✓	Continuous video playback time	19 h
Night mode	✓	Sensors	
Network		Proximity sensor	✓
Mobile network generation *	5G	Accelerometer	✓
SIM card type *	NanoSIM	Ambient light sensor	✓
3G standards *	HSPA+, HSUPA, UMTS, WCDMA	Gyroscope	✓
4G standard *	LTE-TDD & LTE-FDD	Barometer	✓
Wi-Fi	✓	Geomagnetic sensor	✓
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax)	Hall sensor	✓
Bluetooth *	✓	Weight & dimensions	
Bluetooth version	5.0	Width	77.2 mm
Bluetooth Low Energy (BLE)	✓	Depth	8.1 mm
Bluetooth profiles	A2DP, AVRCP, HFP, HID, HOGP, HSP, MAP, OPP, PAN, PBAP, SAP	Height	164.8 mm
aptX technology	✓	Weight *	208 g
3G bands supported	850,900,1800,1900,2100 MHz	Stylus dimensions (W x D x H)	5.8 x 4.35 x 105.08 mm
4G bands supported	700,800,850,900,1800,1900,2100,2300,2500,2600 MHz	Certificates	
Tethering (modem-mode)	✓	Head SAR (EU)	0.338 W/kg
Wi-Fi Direct	✓	Body SAR (EU)	1.47 W/kg
Miracast	✓		
MIMO	✓		

Certificates	
Extremities SAR (EU)	3.29 W/kg
Packaging content	
AC adapter included *	✓
Quick start guide	✓
Warranty card	✓
Cables included	USB Type-C
Headset included	✓
Stylus included	✓
SIM card ejector pin	✓
Other features	
Touchscreen	✓
Repairability index	8.0



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Publication date: 30-APR-2025. Prints or copies of Information are only valid on the printed Publication date