

## Samsung Galaxy Note20 Ultra 5G SM-N986B 17,5 cm (6.9") Android 10 USB Type-C 12 GB 512 GB 4500 mAh Bronze

**Brand :** Samsung

**Product family:** Galaxy

**Product code:** SM-N986BZNHEUB

**Product name :** SM-N986B

6.9", Dynamic AMOLED 2X, 3088x1440, HDR10+, 120Hz, 2.7GHz + 2.5GHz + 2GHz, 4500mAh, NFC, MST, IP68, Bluetooth 5.0, Android 10

Samsung Galaxy Note20 Ultra 5G SM-N986B. Display diagonal: 17,5 cm (6.9"), Display resolution: 3088 x 1440 pixels. Processor frequency: 2,73 GHz, Processor family: Samsung Exynos, Processor model: 990. RAM capacity: 12 GB, RAM type: LPDDR5, Internal storage capacity: 512 GB. Rear camera resolution (numeric): 108 MP, Rear camera type: Triple camera. Operating system installed: Android 10. Battery capacity: 4500 mAh. Product colour: Bronze. 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/m <sup>2</sup>	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	Navigation	
Pixel density	496 ppi	GPS (satellite)	✓
Fingerprint resistant	✓	GLONASS	✓
Rounded display corners	✓	BeiDou	✓
Processor		Galileo	✓
Processor family *	Samsung Exynos	Position location *	✓
Processor model *	990	Wi-Fi positioning	✓
Processor cores	8	Design	
Processor frequency *	2,73 GHz	Form factor *	Bar
Coprocessor	✓	Product colour *	Bronze
Coprocessor frequency	2,5 GHz	Colour name	Mystic Bronze
Storage		Protection features	Dust resistant, Waterproof
RAM capacity *	12 GB		
RAM type	LPDDR5		
Internal storage capacity *	512 GB		

Storage		Performance	
Compatible memory cards *	MicroSD (TransFlash)	Fast charging	✓
Maximum memory card size	1 TB	Wireless charging	✓
USB mass storage	✓	Fingerprint reader	✓
Camera		Face recognition	✓
Rear camera resolution (numeric) *	108 MP	Speakerphone	✓
Second rear camera resolution (numeric)	12 MP	Voice dialing	✓
Third rear camera resolution (numeric)	12 MP	Voice commands	✓
Rear camera aperture number	1,8	USB On-The-Go support	✓
Second rear camera aperture number	2,2	Vibrating alert	✓
Third rear camera aperture number	3	Multimedia	
Rear camera pixel size	0,8 µm	Speakers	stereo
Second rear camera pixel size	1,4 µm	Supported video modes	4320p
Third rear camera pixel size	1 µm	Audio system	Dolby Atmos
Rear camera field of view (FOV) angle	79°	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
Second rear camera field of view (FOV) angle	120°		3G2, 3GP, ASF, AVI, H.263, H.264, H.265, M4V, MP4, MPEG4, WEBM, WMV
Third rear camera field of view (FOV) angle	20°	Video formats supported	
Optical zoom	5x	Voice codecs	AMR-NB, AMR-WB, EFR, FR
Digital zoom	50x	Pen	
Front camera type *	Single camera	Pressure levels	4096
Front camera resolution (numeric) *	10 MP	Accuracy pen	0,7 mm
Front camera aperture number	2,2	Software	
Front camera pixel size	1,22 µm	Platform *	Android
Front camera field of view (FOV) angle	80°	Operating system installed *	Android 10
Rear camera flash *	✓	App distribution platform	Google Play
Flash type	LED	Google applications	Google Maps, Google Play
Optical sensor size	25,4 / 1,33 mm (1 / 1.33")	Virtual assistant	Samsung Bixby
Video capture resolution (max)	7680 x 4320 pixels	Battery	
Maximum frame rate	960 fps	Battery voltage	3,88 V
Resolution at capture speed	1920x1080@30fps,	Battery recharge time	1,16 h
	3840x2160@30fps, 3840x2160@60fps	Wireless Power Share	✓
Video recording modes	720p, 1080p, 2160p	Removable battery	✗
Rear camera type *	Triple camera	Battery capacity *	4500 mAh
Auto focus	✓	Talk time (4G)	24 h
Face detection	✓	Browsing time (Wi-Fi)	16 h
Video stabilizer	✓	Browsing time (4G)	15 h
Image stabilizer	✓	Continuous audio playback time	75 h
Geotagging	✓	Continuous video playback time	19 h
Self-timer	✓	Sensors	
Night mode	✓	Proximity sensor	✓
Network		Accelerometer	✓
Mobile network generation *	5G	Ambient light sensor	✓
SIM card type *	NanoSIM	Gyroscope	✓
3G standards *	HSPA+, HSUPA, UMTS, WCDMA	Barometer	✓
4G standard *	LTE-TDD & LTE-FDD	Geomagnetic sensor	✓
Wi-Fi	✓	Hall 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)	Endurance	
Bluetooth *	✓	International Protection (IP) code *	IP68
Bluetooth version	5.0	Weight & dimensions	
Bluetooth Low Energy (BLE)	✓	Width	77,2 mm
Bluetooth profiles	A2DP, AVRCP, HFP, HID, HOGP, HSP, MAP, OPP, PAN, PBAP, SAP	Depth	8,1 mm
aptX technology	✓	Height	164,8 mm
3G bands supported	850,900,1800,1900,2100 MHz	Weight *	208 g
4G bands supported	700,800,850,900,1800,1900,2100,2300,2500,2600 MHz		

Network		Weight & dimensions	
Tethering (modem-mode)	✓	Pen weight	3,04 g
Wi-Fi Direct	✓	Stylus dimensions (W x D x H)	5,8 x 4,35 x 105,08 mm
Miracast	✓	Certificates	
MIMO	✓	Head SAR (EU)	0,338 W/kg
		Body SAR (EU)	1,47 W/kg
		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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