SAMSUNG

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

□□ : Samsung

□□□□: Galaxy

□□□□: SM-N986BZNWXSG

□□□□ : SM-N986B

Samsung Galaxy Note20 Ultra 5G SM-N986B. □□□□□(□□□): 17.5 cm (6.9"), □□□□□□: 3088 x 1440 □□. □□□□□: 2.73 GHz, □□□□□: Samsung Exynos, □□□□□: 990. RAM □□: 12 GB, RAM □□: LPDDR5, □□□□□□: 256 GB. □□□□□□□□□□□□□: 108 MP, □□□□□□□: □□□. □□□□□□□: Android 10. □□□□: 4500 mAh. □□□□: □□. □□: 208 g

Display

Display diagonal *	17.5 cm (6.9")
Screen shape	Curved edge screen
Display technology marketing name	Dynamic AMOLED 2X
Panel type	OLED
Display glass type	Gorilla Glass
Display resolution *	3088 x 1440 pixels
Display number of colours	16 million colours
Contrast ratio (typical)	1000000:1
Maximum refresh rate	120 Hz
Display brightness	1500 cd/m²
High Dynamic Range (HDR) supported	✔
High Dynamic Range (HDR) technology	High Dynamic Range 10+ (HDR10 Plus)
Touchscreen type	Capacitive
Pixel density	496 ppi
Fingerprint resistant	✔
Rounded display corners	✔

Processor

Processor family *	Samsung Exynos
Processor model *	990
Processor cores	8
Processor frequency *	2.73 GHz
Coprocessor	✔
Coprocessor frequency	2.5 GHz

Storage

RAM capacity *	12 GB
RAM type	LPDDR5
Internal storage capacity *	256 GB

Network

Near Field Communication (NFC)	✔
Security algorithms	HTTPS

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)

Messaging

Short Message Service (SMS)	✔
Multimedia Messaging Service (MMS)	✔
E-mail	✔

Design

Form factor *	Bar
Product colour *	Bronze
Colour name	Mystic Bronze
International Protection (IP) code	IP68
Protection features	Dust resistant, Waterproof

Performance

Fast charging	✔
Wireless charging	✔
Fingerprint reader	✔
Face recognition	✔
Speakerphone	✔
Voice dialling	✔

Storage

Compatible memory cards *	MicroSD (TransFlash)
Maximum memory card size	1 TB
USB mass storage	✔

Camera

Rear camera resolution (numeric) *	108 MP
Second rear camera resolution (numeric)	12 MP
Third rear camera resolution (numeric)	12 MP
Rear camera aperture number	1.8
Second rear camera aperture number	2.2
Third rear camera aperture number	3
Rear camera pixel size	0.8 µm
Second rear camera pixel size	1.4 µm
Third rear camera pixel size	1 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	20°
Optical zoom	5x
Digital zoom	50x
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
Optical sensor size	25.4 / 1.33 mm (1 / 1.33")
Maximum frame rate	960 fps
Rear camera type *	Triple camera
Auto focus	✔
Face detection	✔
Video stabilizer	✔
Image stabilizer	✔
Geotagging	✔
Self-timer	✔
Night mode	✔

Network

Mobile network generation *	5G
SIM card type *	NanoSIM
3G standards *	HSPA+, HSUPA, UMTS, WCDMA
4G standard *	LTE-TDD & LTE-FDD
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	5.0
Bluetooth Low Energy (BLE)	✔
Bluetooth profiles	A2DP, AVRCP, HFP, HID, HOGP, HSP, MAP, OPP, PAN, PBAP, SAP
aptX technology	✔
3G bands supported	850,900,1800,1900,2100 MHz
4G bands supported	700,800,850,900,1800,1900,2100,2300,2500,2600 MHz
Tethering (modem-mode)	✔
Wi-Fi Direct	✔
Miracast	✔
MIMO	✔

Performance

Voice commands	✔
USB On-The-Go support	✔
Vibrating alert	✔

Navigation

GPS (satellite)	✔
GLONASS	✔
BeiDou	✔
Galileo	✔
Position location *	✔
Wi-Fi positioning	✔

Multimedia

Speakers	stereo
Supported video modes	4320p
Audio system	Dolby Atmos
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
Video formats supported	3G2, 3GP, ASF, AVI, H.263, H.264, H.265, M4V, MP4, MPEG4, WEBM, WMV
Voice codecs	AMR-NB, AMR-WB, EFR, FR

Software

Platform *	Android
Operating system installed *	Android 10
App distribution platform	Google Play
Google applications	Google Maps, Google Play
Virtual assistant	Samsung Bixby

Battery

Battery voltage	3.88 V
Battery recharge time	1.16 h
Wireless Power Share	✔
Removable battery	✘
Battery capacity *	4500 mAh
Talk time (4G)	24 h
Browsing time (Wi-Fi)	16 h
Browsing time (4G)	15 h
Continuous audio playback time	75 h
Continuous video playback time	19 h

Sensors

Proximity sensor	✔
Accelerometer	✔
Ambient light sensor	✔
Gyroscope	✔
Barometer	✔
Geomagnetic sensor	✔
Hall sensor	✔

Weight & dimensions

Width	77.2 mm
Depth	8.1 mm
Height	164.8 mm
Weight *	208 g
Stylus dimensions (W x D x H)	5.8 x 4.35 x 105.08 mm

Certificates

Head SAR (EU)	0.338 W/kg
Body SAR (EU)	1.47 W/kg

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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