



- 5G connection - Downlink 2.33 Gbps / Uplink 436 Mbps
- 4G / LTE Cat. 20 DL 2000 Mbps, Cat. 18 UL 200 Mbps
- 6.9" Dual Edge Quad HD + Dynamic AMOLED 2X display
- Octa Core processor (Dual Core 2.73GHz + Dual Core 2.5GHz + Quad Core 2.0GHz)
- Triple Rear Camera, Dual OIS
(Main 108MP, F1.8 - Ultra Wide 12MP, F2.2 - Telephoto 12MP, F3.0)
- 10MP Dual Pixel Front Camera, F2.2
- Internal memory UFS 3.0 256 GB (Expandable with microSD up to 1 TB)
- RAM 12 GB
- Wi-Fi 802.11 a / b / g / n / ac / ax 2.4G + 5GHz
- 4,500 mAh battery
- IP68 certification
- Ultrasonic fingerprint reader
- Samsung Pay
- S Pen (9ms latency)
- Hybrid Sim + eSIM (2 Sims running simultaneously)
- Samsung Knox 3.6
- Android 10 operating system

The commercial product may differ from what is indicated following changes subsequent to the preparation of this sheet

**Functions and
Applications
Galaxy Note20
Ultra 5G**

- Air Command (Make note, See all notes, Smart selection, Screen writing, Live Message, Translate, Penup, Enlarge, Minimize, Bixby Vision, Colorize, Write on Calendar, AR Drawing)
- Air view / Air Action / Penup / Live Messages (Photo and video)
- Always On Display / Always On Memo / Edge Lighting
- Personal Area / Samsung Pass / Samsung Cloud
- Device assistance / Digital wellbeing and parental controls
- Bixby (Bixby Voice / Bixby Vision / Bixby Routines)
- Windows connection
- Blue Light Filter / Night Mode
- Game Launcher / Game Booster
- Music Share / Quick Share
- Screen recording
- Wireless charging / Ultra-fast charging / Wireless charge sharing
- Biometric data recognition (Fingerprints / Face)
- Samsung DeX (Mode: Wired / Wireless)
- Samsung Global Goals / Samsung Daily
- Samsung Health / Samsung Members / Samsung Notes
- Samsung Pay / SmartThings / Galaxy Wearable
- Smart View
- AKG stereo speaker / Dolby Atmos / 3 microphones
- Configurable side button

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Weight / Dimensions	<ul style="list-style-type: none">• 208 g / 164.8 x 77.2 x 8.1 mm
Battery	<ul style="list-style-type: none">• Capacity: 4500mAh• Quick charge (25W)
Operating system	<ul style="list-style-type: none">• Android 10
Connectivity	<ul style="list-style-type: none">• USB Type-C / USB On-The-Go• Bluetooth 5.0 / ANT +• WiFi 802.11 a / b / g / n / ac / ax 2.4G + 5GHz, HE80, MIMO, 1024-QAM• A-GPS, Glonass, Beidou, Galileo• Wi-Fi / Wi-Fi Direct router• Smart View• NanoSIM 4FF (Hybrid Sim + eSim) support
Camera	<ul style="list-style-type: none">• Triple Camera with FlashLED, Scene Optimizer, Shutter Tip, QR Code Scan, Laser Focus, Audio Zoom, 5x Optical Zoom, 50x Digital Zoom: Main 108MP Camera, OIS, F1.8, AF, Auto HDR - Ultra Wide 12 MP Camera, F2.2 Telephoto 12 MP Camera, OIS, F3.0, AF (rear camera)• 10 MP Dual Pixel Camera, F2.2, Auto HDR, AF with Selfie Flash (front camera)• Modes: Single Shot, Photography, Video, Pro, Panorama, Food, Night, Live Focus, Live Focus Video, Pro Video, Super slow-mo, Slow motion, Hyperlapse, Bixby Vision, Space AR• Photo: 12000x9000 (3: 4 108 MP), 4000x3000 (3: 4), 4000x2252 (9:16), 2992x2992 (1: 1), 4000x1868 (Full)• Video Recording: 7680x4320 (16: 9 8K), 3840x2160 (UHD 60 fps), 3840x2160 (UHD 30 fps), 1920x1080 (FHD 60 fps), 1920x1080 (FHD 30 fps), 2320x1080 (Full 30 fps), 1440x1440 (1: 1 30 fps), 1280x720 (HD 30 fps)
Display	<ul style="list-style-type: none">• Dual edge Dynamic AMOLED 2X 6.9 "touchscreen (Infinity-O display)• 3088x1440 (Quad HD +), 496 PPI• Screen Refresh Rate (Standard 60Hz, High 120Hz)
Memory	<ul style="list-style-type: none">• 256 GB UFS 3.0 internal * (expandable with microSD™ or microSDHC™ up to 1 TB)* [Part of the indicated internal memory is used by the operating system]• 12 GB (RAM)

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Band	<ul style="list-style-type: none"> • 5G DL 2.33 Gbps, UL 436 Mbps / LTE Cat. 20 DL 2000 Mbps, Cat. 18 UL 200 Mbps / HSPA + 42.2 Mbps / HSUPA 5.76 Mbps / HSDPA / UMTS / EDGE / GPRS Quadband
Chipset	<ul style="list-style-type: none"> • Octa Core Exynos 990 processor (Dual Core 2.73GHz + Dual Core 2.5GHz + Quad Core 2.0GHz)
SAR value	<ul style="list-style-type: none"> • Head SAR: 1,086 W / Kg • Body SAR: 1,572 W / Kg
Messaging	<ul style="list-style-type: none"> • Message composer for SMS, MMS • E-mail client (POP3, IMAP4, SMTP, SSL, TLS, EAS), Gmail • Exchange ActiveSync
Contents	<ul style="list-style-type: none"> • Images: A-GIF, BMP, GIF, HEIF, JPEG, P-JPEG, PNG, WebP, WBMP • Audio: MP3, M4A, 3GA, AAC, OGG, OGA, WAV, WMA, AMR, AWB, FLAC, MID, MIDI, XMF, MXMF, IMY, RTTTL, RTX, OTA, DFF, DSF, APE • Video: MP4, M4V, 3GP, 3G2, WMV, ASF, AVI, FLV, MKV, WEBM
More Functions and Applications	<ul style="list-style-type: none"> • Google Apps: Play Store, Play Film, Gmail, Google Search, YouTube, YT Music, Drive, Photos, Duo, Chrome, Maps • Microsoft Apps: Office, OneDrive, LinkedIn, Outlook • Facebook / Spotify / Netflix • Galaxy Store / Game Launcher / Game Booster • Clock / Alarm / Time zones / Stopwatch / Timer / Calculator / Calendar • Customizable power saving (Optimized / Medium / Maximum) • Blue Light Filter / Night Mode • Personal Area / Samsung Pass / Find My Device • Knox 3.6

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