NETWORK Technology

GSM / CDMA / HSPA / EVDO / LTE

LAUNCH Announced 2020, August 05

Status Available. Released 2020, August 21

BODY Dimensions 161.6 x 75.2 x 8.3 mm (6.36 x 2.96 x 0.33 in)

Weight 192 g (6.77 oz)

Build Glass front (Gorilla Glass 5), plastic back

SIM Single SIM (Nano-SIM and/or eSIM) or Hybrid Dual SIM (Nano-SIM, dual stand-by)

IP68 dust/water resistant (up to 1.5m for 30 mins)

Stylus, 26ms latency (Bluetooth integration, accelerometer, gyro)

DISPLAY Type Super AMOLED Plus, HDR10+

Size 6.7 inches, 108.4 cm2 (~89.2% screen-to-body ratio)

Resolution 1080 x 2400 pixels, 20:9 ratio (~393 ppi density)

Protection Corning Gorilla Glass 5

Always-on display

PLATFORM OS Android 10, upgradable to Android 11, One UI 3.0

Chipset Exynos 990 (7 nm+) - Global

Qualcomm SM8250 Snapdragon 865 5G+ (7 nm+) - USA

CPU Octa-core (2x2.73 GHz Mongoose M5 & 2x2.50 GHz Cortex-A76 & 4x2.0 GHz Cortex-A55) - Global

Octa-core (1x3.0 GHz Kryo 585 & 3x2.42 GHz Kryo 585 & 4x1.8 GHz Kryo 585) - USA

GPU Mali-G77 MP11 - Global

Adreno 650 - USA

MEMORY Card slot No

Internal 256GB 8GB RAM

UFS 3.0

MAIN CAMERA Triple 12 MP, f/1.8, 26mm (wide), 1/1.76", 1.8µm, Dual Pixel PDAF, OIS

64 MP, f/2.0, 27mm (telephoto), 1/1.72", 0.8µm, PDAF, OIS, 3x hybrid zoom

12 MP, f/2.2, 120˚, 13mm (ultrawide), 1/2.55", 1.4µm

Features LED flash, auto-HDR, panorama

Video 8K@24fps, 4K@30/60fps, 1080p@30/60/240fps, 720p@960fps, HDR10+, stereo sound rec., gyro-EIS & OIS

SELFIE CAMERA Single 10 MP, f/2.2, 26mm (wide), 1/3.2", 1.22µm, Dual Pixel PDAF

Features Dual video call, Auto-HDR

Video 4K@30/60fps, 1080p@30fps

SOUND Loudspeaker Yes, with stereo speakers

3.5mm jack No

32-bit/384kHz audio

Tuned by AKG

COMMS WLAN Wi-Fi 802.11 a/b/g/n/ac/6, dual-band, Wi-Fi Direct, hotspot

Bluetooth 5.0, A2DP, LE, aptX

GPS Yes, with A-GPS, GLONASS, BDS, GALILEO

NFC Yes

Radio FM radio (Snapdragon model only; market/operator dependent)

USB USB Type-C 3.2, USB On-The-Go

FEATURES Sensors Fingerprint (under display, ultrasonic), accelerometer, gyro, proximity, compass, barometer

Samsung Wireless DeX (desktop experience support)

ANT+

Bixby natural language commands and dictation

Samsung Pay (Visa, MasterCard certified)

BATTERY Type Li-Ion 4300 mAh, non-removable

Charging Fast charging 25W

USB Power Delivery 3.0

Fast Qi/PMA wireless charging 15W

Reverse wireless charging 4.5W

MISC Colors Mystic Green, Mystic Bronze, Mystic Gray, Mystic Red, Mystic Blue

Models SM-N980F, SM-N980F/DS

SAR 1.11 W/kg (head) 1.14 W/kg (body)

SAR EU 0.36 W/kg (head) 1.37 W/kg (body)

Price € 831.76 / £ 1,002.60 / Rp 12,998,900