NETWORK Technology

GSM / HSPA / LTE / 5G

LAUNCH Announced 2021, March 17

Status Available. Released 2021, March 19

BODY Dimensions 159.9 x 75.1 x 8.4 mm (6.30 x 2.96 x 0.33 in)

Weight 189 g (6.67 oz)

Build Glass front (Gorilla Glass 5), plastic back

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

IP67 dust/water resistant (up to 1m for 30 mins)

DISPLAY Type Super AMOLED, 120Hz, HDR10+, 800 nits (HBM)

Size 6.5 inches, 101.0 cm2 (~84.1% screen-to-body ratio)

Resolution 1080 x 2400 pixels, 20:9 ratio (~407 ppi density)

Protection Corning Gorilla Glass 5

Always-on display

PLATFORM OS Android 11, One UI 3.1

Chipset Qualcomm SM7225 Snapdragon 750G 5G (8 nm)

CPU Octa-core (2x2.2 GHz Kryo 570 & 6x1.8 GHz Kryo 570)

GPU Adreno 619

MEMORY Card slot microSDXC (uses shared SIM slot)

Internal 128GB 6GB RAM, 128GB 8GB RAM, 256GB 8GB RAM

MAIN CAMERA Quad 64 MP, f/1.8, 26mm (wide), 1/1.7X", 0.8µm, PDAF, OIS

12 MP, f/2.2, 123˚ (ultrawide), 1.12µm

5 MP, f/2.4, (macro)

5 MP, f/2.4, (depth)

Features LED flash, panorama, HDR

Video 4K@30fps, 1080p@30/60fps; gyro-EIS

SELFIE CAMERA Single 32 MP, f/2.2, 26mm (wide), 1/2.8", 0.8µm

Features HDR

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

SOUND Loudspeaker Yes, with stereo speakers

3.5mm jack Yes

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

Bluetooth 5.0, A2DP, LE

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

NFC Yes (market/region dependent)

Radio FM radio

USB USB Type-C 2.0, USB On-The-Go

FEATURES Sensors Fingerprint (under display, optical), accelerometer, gyro, compass

Virtual proximity sensing

BATTERY Type Li-Po 4500 mAh, non-removable

Charging Fast charging 25W, 50% in 30 min (advertised)

MISC Colors Awesome Black, Awesome White, Awesome Violet, Awesome Blue

Models SM-A526B, SM-A526B/DS, SM-A5260, SM-A526W, SM-A526U, SM-A526U1

SAR 0.74 W/kg (head) 0.53 W/kg (body)

SAR EU 1.05 W/kg (head) 1.42 W/kg (body)

Price $ 360.91 / € 482.16 / £ 369.00 / Rp 6,499,000

TESTS Performance AnTuTu: 334981 (v8), 386474 (v9)

GeekBench: 1820 (v5.1)

GFXBench: 16fps (ES 3.1 onscreen)

Display Contrast ratio: Infinite (nominal)

Camera Photo / Video

Loudspeaker -27.5 LUFS (Good)

Battery life

Endurance rating 111h