NETWORK

Technology GSM / CDMA / HSPA / EVDO / LTE

2G bands GSM 850 / 900 / 1800 / 1900 - SIM 1 & SIM 2 (dual-SIM) - for China

CDMA 800 / 1900

3G bands HSDPA 850 / 900 / 1700(AWS) / 1900 / 2100

CDMA2000 1xEV-DO

4G bands 1, 2, 3, 4, 5, 7, 8, 11, 12, 13, 17, 18, 19, 20, 21, 25, 26, 28, 29, 30, 32, 34, 38, 39, 40, 41, 42, 46, 48, 66 - A2218

1, 2, 3, 4, 5, 7, 8, 12, 13, 14, 17, 18, 19, 20, 25, 26, 29, 30, 34, 38, 39, 40, 41, 42, 46, 48, 66, 71 - A2161, A2220

Speed HSPA 42.2/5.76 Mbps, LTE-A 1.6 Gbps DL, EV-DO Rev.A 3.1 Mbps

LAUNCH

Announced 2019, September 10

Status Available. Released 2019, September 20

BODY

Dimensions 158 x 77.8 x 8.1 mm (6.22 x 3.06 x 0.32 in)

Weight 226 g (7.97 oz)

Build Glass front (Gorilla Glass), glass back (Gorilla Glass), stainless steel frame

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

IP68 dust/water resistant (up to 4m for 30 mins)

Apple Pay (Visa, MasterCard, AMEX certified)

DISPLAY

Type Super Retina XDR OLED, HDR10, Dolby Vision, 800 nits (HBM), 1200 nits (peak)

Size 6.5 inches, 102.9 cm2 (~83.7% screen-to-body ratio)

Resolution 1242 x 2688 pixels, 19.5:9 ratio (~458 ppi density)

Protection Scratch-resistant glass, oleophobic coating

Wide color gamut

True-tone

PLATFORM

OS iOS 13, upgradable to iOS 15.2

Chipset Apple A13 Bionic (7 nm+)

CPU Hexa-core (2x2.65 GHz Lightning + 4x1.8 GHz Thunder)

GPU Apple GPU (4-core graphics)

MEMORY

Card slot No

Internal 64GB 4GB RAM, 256GB 4GB RAM, 512GB 4GB RAM

NVMe

MAIN CAMERA

Triple 12 MP, f/1.8, 26mm (wide), 1/2.55", 1.4µm, dual pixel PDAF, OIS

12 MP, f/2.0, 52mm (telephoto), 1/3.4", 1.0µm, PDAF, OIS, 2x optical zoom

12 MP, f/2.4, 120˚, 13mm (ultrawide), 1/3.6"

Features Dual-LED dual-tone flash, HDR (photo/panorama)

Video 4K@24/30/60fps, 1080p@30/60/120/240fps, HDR, stereo sound rec.

SELFIE CAMERA

Dual 12 MP, f/2.2, 23mm (wide), 1/3.6"

SL 3D, (depth/biometrics sensor)

Features HDR

Video 4K@24/30/60fps, 1080p@30/60/120fps, gyro-EIS

SOUND

Loudspeaker Yes, with stereo speakers

3.5mm jack No

COMMS

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

Bluetooth 5.0, A2DP, LE

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

NFC Yes

Radio No

USB Lightning, USB 2.0

FEATURES

Sensors Face ID, accelerometer, gyro, proximity, compass, barometer

Messaging iMessage, SMS(threaded view), MMS, Email, Push Email

Browser HTML5 (Safari)

Siri natural language commands and dictation

Ultra Wideband (UWB) support

BATTERY

Type Li-Ion 3969 mAh, non-removable (15.04 Wh)

Charging Fast charging 20W, 50% in 30 min (advertised)

USB Power Delivery 2.0

Qi wireless charging

MISC

Colors Matte Space Gray, Matte Silver, Matte Gold, Matte Midnight Green

Models A2218, A2161, A2220, iPhone12.5

SAR 1.16 W/kg (head) 1.17 W/kg (body)

SAR EU 0.95 W/kg (head) 0.99 W/kg (body)

Price $ 601.45 / € 1,131.61 / £ 444.95 / ₹ 87,900

TESTS

Performance AnTuTu: 459713 (v7), 536883 (v8)

GeekBench: 13870 (v4.4), 3503 (v5.1)

GFXBench: 57fps (ES 3.1 onscreen)

Display Contrast ratio: Infinite (nominal)

Camera Photo / Video

Loudspeaker -25.6 LUFS (Very good)

Audio quality Noise -94.3dB / Crosstalk -81.5dB

Battery life Endurance rating 102h