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 - A2221

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 - A2111, A2223

Speed HSPA 42.2/5.76 Mbps, LTE-A (CA) Cat16 1024/150 Mbps, EV-DO Rev.A 3.1 Mbps

LAUNCH

Announced 2019, September 10

Status Available. Released 2019, September 20

BODY

Dimensions 150.9 x 75.7 x 8.3 mm (5.94 x 2.98 x 0.33 in)

Weight 194 g (6.84 oz)

Build Glass front (Gorilla Pay (Visa, MasterCard, AMEX certified)

DISPLAY

Type Liquid Retina IPS LCD, 625 nits (typ)

Size 6.1 inches, 90.3 cm2 (~79.0% screen-to-body ratio)

Resolution 828 x 1792 pixels, 19.5:9 ratio (~326 ppi density)

Protection Scratch-resistant glass, oleophobic coating

True-tone

Wide color gamut

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, 128GB 4GB RAM, 256GB 4GB RAM

NVMe

MAIN CAMERA

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

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 3110 mAh, non-removable (11.91 Wh)

Charging Fast charging 18W, 50% in 30 min (advertised)

USB Power Delivery 2.0

Qi wireless charging

MISC

Colors Black, Green, Yellow, Purple, Red, White

Models A2221, A2111, A2223, iPhone12,1

SAR 1.09 W/kg (head) 1.18 W/kg (body)

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

Price $ 379.00 / € 578.00 / £ 338.99 / ₹ 49,900 / Rp 4,809,000

TESTS

Performance AnTuTu: 419453 (v7)

GeekBench: 13882 (v4.4)

GFXBench: 60fps (ES 3.1 onscreen)

Display Contrast ratio: 1505:1 (nominal)

Camera Photo / Video

Loudspeaker Voice 70dB / Noise 72dB / Ring 76dB

Audio quality Noise -94.2dB / Crosstalk -80.8dB

Battery life Endurance rating 94h