

iPhone 11 Pro Max

Tech Specs

Finish



Gold, Space Gray, Silver, Midnight Green

Capacity

64GB

256GB

512GB

Size and Weight

Width:	3.06 inches	77,8 mm
Height:	6.22 inches	158,0 mm
Depth:	0.32 inches	8,1 mm
Weight:	7.97 ounces	226 g

Display

- Super Retina XDR display
- 6.5-inch (diagonal) all-screen OLED MultiTouch display
- HDR display
- 2688-by-1242-pixel resolution at 458 ppi
- 2,000,000:1 contrast ratio (typical)
- True Tone display
- Wide color display (P3)
- 1200 nits max brightness (HDR)
- Fingerprint-resistant oleophobic coating
- Support for display of multiple languages and characters simultaneously

Splash, Water, and Dust Resistant

Rated IP68 under IEC standard 60529
(maximum depth of 4 meters up to 30 minutes)

Chip

A13 Bionic chip
Third-generation Neural Engine

Camera

- Triple 12MP Ultra Wide and Telephoto cameras
- 2x optical zoom in, 2x optical zoom out; digital zoom up to 10x
- Portrait mode with advanced bokeh and Depth Control
- Portrait Lighting with six effects
- Dual optical image stabilization
- Six-element lens
- Brighter True Tone flash with Slow Sync
- Panorama (up to 63MP)
- 100% Focus Pixels
- Night mode
- Auto Adjustments
- Next-generation Smart HDR for photos
- Advanced red-eye correction
- Photo geotagging
- Auto image stabilization
- Burst mode

Video Recording

- Up to 4K video recording
- Extended dynamic range
- Optical image stabilization for video
- 2x optical zoom in, 2x optical zoom out; digital zoom up to 6x
- Audio zoom
- Brighter True Tone flash
- QuickTake video with subject tracking
- Slo-mo video support
- Time-lapse video with stabilization
- Cinematic video stabilization
- Continuous autofocus video
- Take 8MP still photos while recording 4K video
- Playback zoom
- Stereo recording

TrueDepth Camera

- 12MP camera
- Portrait mode with advanced bokeh and Depth Control
- Portrait Lighting with six effects
- Animoji and Memoji
- Up to 4K video recording
- Slo-mo video support
- Next-generation Smart HDR for photos
- Extended dynamic range
- Cinematic video stabilization
- Retina Flash
- Auto image stabilization
- Burst mode

Face ID

Enabled by TrueDepth camera for facial recognition

Apple Pay

- Pay with your iPhone using Face ID
- Complete purchases made with Apple Pay

Cellular and Wireless

Model A2160

- FDD-LTE (Bands 1, 2, 3, 4, 5, 7, 8, 12, 13, 14, 17, 18, 19, 20, 25, 26, 29, 30, 66, 71)
- TD-LTE (Bands 34, 38, 39, 40, 41, 42, 46, 48)
- UMTS/HSPA+/DC-HSDPA (850, 900, 1700/2100, 1900, 2100 MHz)
- GSM/EDGE (850, 900, 1800, 1900 MHz)

Model A2161

- FDD-LTE (Bands 1, 2, 3, 4, 5, 7, 8, 12, 13, 14, 17, 18, 19, 20, 25, 26, 29, 30, 66, 71)
- TD-LTE (Bands 34, 38, 39, 40, 41, 42, 46, 48)
- UMTS/HSPA+/DC-HSDPA (850, 900, 1700/2100, 1900, 2100 MHz)
- GSM/EDGE (850, 900, 1800, 1900 MHz)

All models

- Gigabit-class LTE
- Wi-Fi
- Bluetooth 5.0
- Ultra Wideband chip for spatial awareness
- NFC
- Express Cards

Location

- Built-in GPS/GLONASS
- Digital compass
- Wi-Fi
- Cellular
- iBeacon microlocation

Video Calling

FaceTime video calling over Wi-Fi or cellular

Audio Calling

- FaceTime audio
- Voice over LTE (VoLTE)
- Wi-Fi calling

Audio Playback

- Spatial audio playback
- User-configurable maximum volume limit

Video Playback

- High Dynamic Range with Dolby Vision and HDR10 content
- AirPlay Mirroring, photos, and video out to Apple TV (2nd generation or later)
- Video mirroring and video out: Supported through Lightning Digital AV Adapter and Lightning to VGA Adapter (adapters sold separately)

Siri

- Use your voice to send messages, set reminders, and more
- Get intelligent suggestions
- Activate hands-free with only your voice using “Hey Siri”
- Use your voice to run shortcuts from your favorite apps

Power and Battery

Video playback:

Up to 20 hours

Video playback (streamed):

Up to 12 hours

Audio playback:

Up to 80 hours

Fast-charge capable:

Up to 50% charge in around 30 minutes

- Built-in rechargeable lithium-ion battery
- Wireless charging (works with Qi chargers)
- Charging via USB to computer system or power adapter

Sensors

- Face ID
- Barometer
- Three-axis gyro
- Accelerometer
- Proximity sensor
- Ambient light sensor

Operating System

iOS 13

Accessibility

- VoiceOver
- Zoom
- Magnifier
- RTT and TTY support
- Siri and Dictation
- Switch Control
- Closed Captions
- AssistiveTouch
- Speak Screen

Headphones

EarPods with Lightning Connector

SIM Card

Dual SIM (nano-SIM and eSIM)

System Requirements

- Apple ID (required for some features)
- Internet access
- Syncing to a Mac or PC requires:
 - macOS Catalina 10.15
 - macOS El Capitan 10.11.6 using iTunes 12.8 or later
 - Windows 7 or later using iTunes 12.10 or later

In the Box

- iPhone with iOS 13
- EarPods with Lightning Connector
- USB-C to Lightning Cable
- 18W USB-C Power Adapter
- Documentation