

## iPhone Xs

## iPhone Xs Max

### Finish



Gold, Space Gray, Silver



Gold, Space Gray, Silver

### Capacity

64GB

256GB

512GB

64GB

256GB

512GB

### Size and Weight



Weight: 6.24 ounces (177 grams)



Weight: 7.34 ounces (208 grams)

# Display



Super Retina HD display  
5.8-inch (diagonal) all-screen OLED  
Multi-Touch display  
HDR display  
2436-by-1125-pixel resolution at 458 ppi  
1,000,000:1 contrast ratio (typical)

The iPhone XS display has rounded corners that follow a beautiful curved design, and these corners are within a standard rectangle. When measured as a standard rectangular shape, the screen is 5.85 inches diagonally (actual viewable area is less).



Super Retina HD display  
6.5-inch (diagonal) all-screen OLED  
Multi-Touch display  
HDR display  
2688-by-1242-pixel resolution at 458 ppi  
1,000,000:1 contrast ratio (typical)

The iPhone XS Max display has rounded corners that follow a beautiful curved design, and these corners are within a standard rectangle. When measured as a standard rectangular shape, the screen is 6.46 inches diagonally (actual viewable area is less).

**Both models:**  
True Tone display  
Wide color display (P3)  
3D Touch  
625 cd/m2 max brightness (typical)  
Fingerprint-resistant oleophobic coating  
Support for display of multiple languages and characters simultaneously

# Splash, Water, and Dust Resistant

Rated IP68 (maximum depth of 2 meters up to 30 minutes) under IEC standard 60529

# Chip



A12 Bionic chip  
Next-generation Neural Engine

## Camera

Dual 12MP wide-angle and telephoto cameras  
Wide-angle:  $f/1.8$  aperture  
Telephoto:  $f/2.4$  aperture  
2x optical zoom; digital zoom up to 10x  
Portrait mode with advanced bokeh and Depth Control  
Portrait Lighting with five effects (Natural, Studio, Contour, Stage, Stage Mono)  
Dual optical image stabilization  
Six-element lens  
Quad-LED True Tone flash with Slow Sync  
Panorama (up to 63MP)  
Sapphire crystal lens cover  
Backside illumination sensor  
Hybrid IR filter  
Autofocus with Focus Pixels  
Tap to focus with Focus Pixels  
Smart HDR for photos  
Wide color capture for photos and Live Photos  
Local tone mapping  
Advanced red-eye correction  
Exposure control  
Auto image stabilization  
Burst mode  
Timer mode  
Photo geotagging  
Image formats captured: HEIF and JPEG

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## Video Recording

4K video recording at 24 fps, 30 fps, or 60 fps  
1080p HD video recording at 30 fps or 60 fps  
720p HD video recording at 30 fps  
Extended dynamic range for video up to 30 fps  
Optical image stabilization for video  
2x optical zoom; digital zoom up to 6x  
Quad-LED True Tone flash  
Slo-mo video support for 1080p at 120 fps or 240 fps  
Time-lapse video with stabilization  
Cinematic video stabilization (1080p and 720p)  
Continuous autofocus video  
Take 8MP still photos while recording 4K video  
Playback zoom  
Video geotagging  
Video formats recorded: HEVC and H.264  
Stereo recording

Face ID

Enabled by TrueDepth camera for facial recognition

Apple Pay

Pay with your iPhone using Face ID in stores, within apps, and on the web

Send and receive money in Messages

Complete purchases made with Apple Pay on your Mac

Carriers

 AT&T

 Sprint

 T-Mobile

 verizon

|                       |             |                                                                                                                                                                                                                                                                               |
|-----------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cellular and Wireless | Model A1920 | FDD-LTE (Bands 1, 2, 3, 4, 5, 7, 8, 12, 13, 14, 17, 18, 19, 20, 25, 26, 29, 30, 32, 66, 71)<br>TD-LTE (Bands 34, 38, 39, 40, 41, 46)<br>CDMA EV-DO Rev. A (800, 1900 MHz)<br>UMTS/HSPA+/DC-HSDPA (850, 900, 1700/2100, 1900, 2100 MHz)<br>GSM/EDGE (850, 900, 1800, 1900 MHz) |
|                       | Model A1921 | FDD-LTE (Bands 1, 2, 3, 4, 5, 7, 8, 12, 13, 14, 17, 18, 19, 20, 25, 26, 29, 30, 32, 66, 71)<br>TD-LTE (Bands 34, 38, 39, 40, 41, 46)<br>CDMA EV-DO Rev. A (800, 1900 MHz)<br>UMTS/HSPA+/DC-HSDPA (850, 900, 1700/2100, 1900, 2100 MHz)<br>GSM/EDGE (850, 900, 1800, 1900 MHz) |
|                       | All models  | Gigabit-class LTE with 4x4 MIMO and LAA<br>802.11ac Wi-Fi with 2x2 MIMO<br>Bluetooth 5.0 wireless technology<br>NFC with reader mode                                                                                                                                          |

|          |                                                                                                           |
|----------|-----------------------------------------------------------------------------------------------------------|
| Location | Assisted GPS, GLONASS, Galileo, and QZSS<br>Digital compass<br>Wi-Fi<br>Cellular<br>iBeacon microlocation |
|----------|-----------------------------------------------------------------------------------------------------------|

|               |                                               |
|---------------|-----------------------------------------------|
| Video Calling | FaceTime video calling over Wi-Fi or cellular |
|---------------|-----------------------------------------------|

|               |                                                           |
|---------------|-----------------------------------------------------------|
| Audio Calling | FaceTime audio<br>Voice over LTE (VoLTE)<br>Wi-Fi calling |
|---------------|-----------------------------------------------------------|

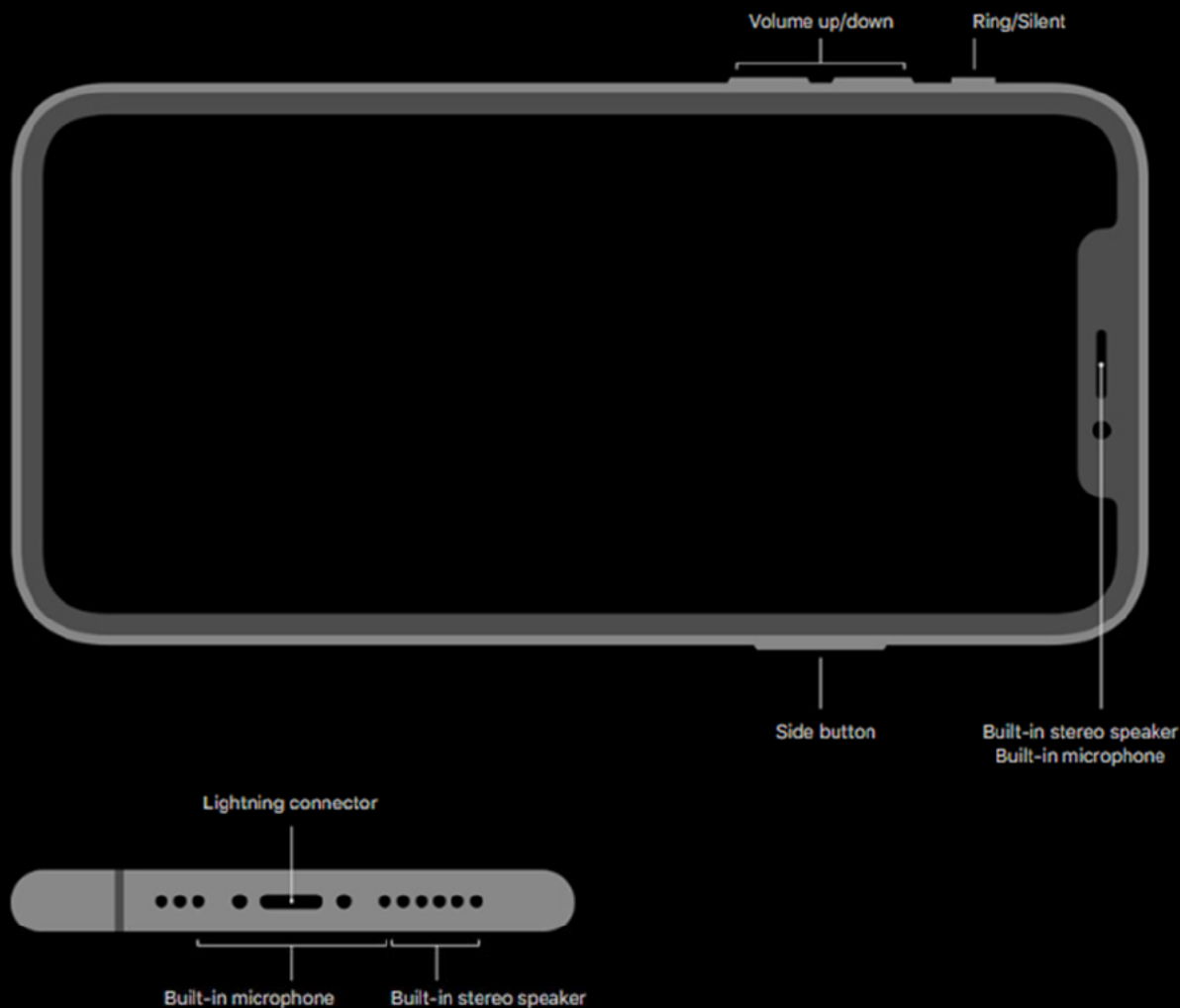
|                |                                                                                                                                                                                                                                                                                                      |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Audio Playback | Audio formats supported: AAC-LC, HE-AAC, HE-AAC v2, Protected AAC, MP3, Linear PCM, Apple Lossless, FLAC, Dolby Digital (AC-3), Dolby Digital Plus (E-AC-3), and Audible (formats 2, 3, 4, Audible Enhanced Audio, AAX, and AAX+)<br>Wider stereo playback<br>User-configurable maximum volume limit |
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|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Video Playback | Video formats supported: HEVC, H.264, MPEG-4 Part 2, and Motion JPEG<br>High Dynamic Range with Dolby Vision and HDR10 content<br>AirPlay Mirroring, photos, and video out to Apple TV (2nd generation or later) <sup>6</sup><br>Video mirroring and video out support: Up to 1080p through Lightning Digital AV Adapter and Lightning to VGA Adapter (adapters sold separately) |
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|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Siri | Use your voice to send messages, set reminders, and more<br>Get intelligent suggestions on your Lock screen and in Messages, Mail, QuickType, and more<br>Activate hands-free with only your voice using “Hey Siri”<br>Use your voice to run shortcuts from your favorite apps |
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## External Buttons and Connectors



## Power and Battery

Lasts up to 30 minutes longer than iPhone X

### Talk time (wireless):

Up to 20 hours

### Internet use:

Up to 12 hours

### Video playback (wireless):

Up to 14 hours

### Audio playback (wireless):

Up to 60 hours

### Fast-charge capable:

Up to 50% charge 30 minutes

Lasts up to 1.5 hours longer than iPhone X

### Talk time (wireless):

Up to 25 hours

### Internet use:

Up to 13 hours

### Video playback (wireless):

Up to 15 hours

### Audio playback (wireless):

Up to 65 hours

### Fast-charge capable:

Up to 50% charge 30 minutes

### Both models:

Built-in rechargeable lithium-ion battery

Wireless charging (works with Qi chargers)

Charging via USB to computer system or power adapter

