

iPhone 8

iPhone 8 Plus

Finish



Gold, Silver, Space Gray



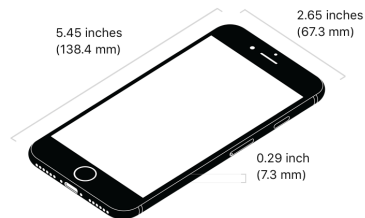
Gold, Silver, Space Gray

Capacity¹

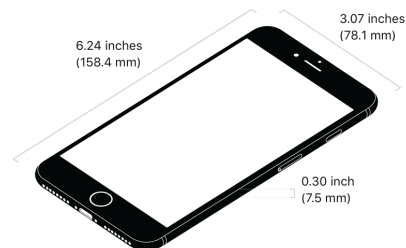
64GB
256GB

64GB
256GB

Size and Weight²

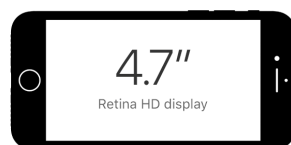


Weight: 5.22 ounces (148 grams)

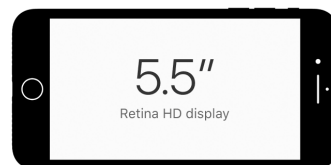


Weight: 7.13 ounces (202 grams)

Display



Retina HD display
4.7-inch (diagonal) widescreen LCD Multi-Touch display with IPS technology
1334-by-750-pixel resolution at 326 ppi
1400:1 contrast ratio (typical)



Retina HD display
5.5-inch (diagonal) widescreen LCD Multi-Touch display with IPS technology
1920-by-1080-pixel resolution at 401 ppi
1300:1 contrast ratio (typical)

Both models:

True Tone display

Wide color display (P3)

3D Touch

625 cd/m2 max brightness (typical)

Dual-domain pixels for wide viewing angles

Fingerprint-resistant oleophobic coating

Support for display of multiple languages and characters simultaneously

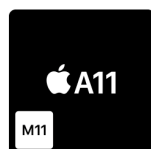
Display Zoom

Reachability

**Splash, Water, and
Dust Resistant³**

Rated IP67 under IEC standard 60529

Chip



A11 Bionic chip with 64-bit architecture

Neural Engine

Embedded M11 motion coprocessor

Camera

12MP camera

f/1.8 aperture

Digital zoom up to 5x

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12MP wide-angle and telephoto cameras

Wide-angle: *f*/1.8 aperture

Telephoto: *f*/2.8 aperture

Optical zoom; digital zoom up to 10x

Portrait mode

Portrait Lighting (beta)

Both models:

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
Live Photos with stabilization
Wide color capture for photos and Live Photos
Improved local tone mapping
Body and face detection
Exposure control
Noise reduction
Auto HDR for photos
Auto image stabilization
Burst mode
Timer mode
Photo geotagging
Image formats captured: HEIF and JPEG

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
Optical image stabilization for video
Optical zoom; 6x digital zoom (iPhone 8 Plus only)
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
Body and face detection
Noise reduction
Take 8MP still photos while recording 4K video
Playback zoom
Video geotagging
Video formats recorded: HEVC and H.264

FaceTime HD Camera

7MP camera
1080p HD video recording
Retina Flash
 $f/2.2$ aperture
Wide color capture for photos and Live Photos
Auto HDR
Backside illumination sensor
Body and face detection
Auto image stabilization
Burst mode
Exposure control
Timer mode

Cellular and Wireless

Model A1863*

Model A1864*

FDD-LTE (Bands 1, 2, 3, 4, 5, 7, 8, 12, 13, 17, 18, 19, 20, 25, 26, 28, 29, 30, 66)

TD-LTE (Bands 34, 38, 39, 40, 41)

TD-SCDMA 1900 (F), 2000 (A)

CDMA EV-DO Rev. A (800, 1900, 2100 MHz)

UMTS/HSPA+/DC-HSDPA (850, 900, 1700/2100, 1900, 2100 MHz)

GSM/EDGE (850, 900, 1800, 1900 MHz)

Model A1905*

Model A1897*

Models A1905 and A1897 do not support CDMA networks, such as those used by Verizon and Sprint.

FDD-LTE (Bands 1, 2, 3, 4, 5, 7, 8, 12, 13, 17, 18, 19, 20, 25, 26, 28, 29, 30, 66)

TD-LTE (Bands 34, 38, 39, 40, 41)

UMTS/HSPA+/DC-HSDPA (850, 900, 1700/2100, 1900, 2100 MHz)

GSM/EDGE (850, 900, 1800, 1900 MHz)

All models

802.11ac Wi-Fi with MIMO

Bluetooth 5.0 wireless technology

NFC with reader mode

Location

Assisted GPS, GLONASS, Galileo, and QZSS

Digital compass

Wi-Fi

Cellular

iBeacon microlocation

Video Calling⁴

FaceTime video calling over Wi-Fi or cellular

Audio Calling⁴

FaceTime audio
Voice over LTE (VoLTE)⁵
Wi-Fi calling⁵

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+)
User-configurable maximum volume limit

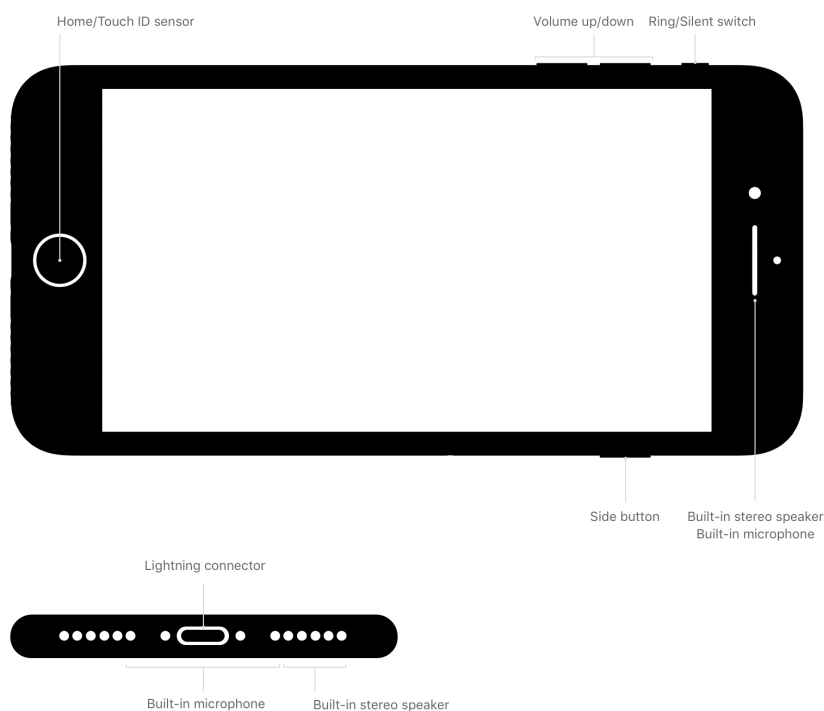
Video Playback

Video formats supported: HEVC, H.264, MPEG-4 Part 2, and Motion JPEG
Supports Dolby Vision and HDR10 content
AirPlay Mirroring, photos, and video out to Apple TV (2nd generation or later)⁶
Video mirroring and video out support: Up to 1080p through Lightning Digital AV Adapter and Lightning to VGA Adapter (adapters sold separately)⁶

Siri⁷

Use your voice to send messages, set reminders, and more
Get intelligent suggestions in Messages, Mail, QuickType, and more
Activate with only your voice using “Hey Siri”
Listen and identify songs
[Learn more about Siri >](#)

External Buttons and Connectors



Power and Battery⁸

Lasts about the same as iPhone 7

Talk time (wireless):

Up to 14 hours

Internet use:

Up to 12 hours

Video playback (wireless):

Up to 13 hours

Audio playback (wireless):

Up to 40 hours

Fast-charge capable:

Up to 50% charge 30 minutes⁹

Lasts about the same as iPhone 7 Plus

Talk time (wireless):

Up to 21 hours

Internet use:

Up to 13 hours

Video playback (wireless):

Up to 14 hours

Audio playback (wireless):

Up to 60 hours

Fast-charge capable:

Up to 50% charge 30 minutes⁹

Both models:

Built-in rechargeable lithium-ion battery

Wireless charging (works with Qi chargers¹⁰)

Charging via USB to computer system or power adapter

Fast-charge capable

Sensors

Touch ID fingerprint sensor

Barometer

Three-axis gyro

Accelerometer

Proximity sensor

Ambient light sensor

Operating System



iOS 11

With new features and capabilities that let you get more done quickly and easily, iOS 11 makes iPhone more powerful, personal, and intelligent than ever.

[See what's new in iOS 11 >](#)

Accessibility

Accessibility features help people with disabilities get the most out of their new iPhone 8. With built-in support for vision, hearing, physical and motor skills, and learning and literacy, you can fully enjoy the world's most personal device. [Learn more >](#)

Features include:

- VoiceOver
- Zoom
- Magnifier
- Software TTY
- Siri and Dictation
- Type to Siri
- Switch Control
- Closed Captions
- AssistiveTouch
- Speak Screen

Built-in Apps

Built-in apps are an essential part of your iPhone experience and are efficiently designed to use less than 200MB of storage.



Camera



Photos



Health



Messages



Phone



FaceTime



Mail



Music



Wallet



Safari



Maps



Siri



Calendar



iTunes Store



App Store



Notes



News



Contacts



iBooks



Home



Weather



Reminders



Clock



TV



Stocks



Calculator



Voice Memos



Compass



Podcasts



Watch



Tips



iCloud Drive



Find My iPhone



Find My Friends



Settings



Files

Free Apps from Apple¹¹

Pages, Numbers, Keynote, iMovie, GarageBand, iTunes U, and Clips are preinstalled.



iMovie



Pages



Keynote



Numbers



iTunes U



GarageBand



Apple Store



Trailers



Apple TV Remote



iTunes Remote



Music Memos



Clips

Headphones

EarPods with Lightning Connector



SIM Card

Nano-SIM

iPhone 8 and iPhone 8 Plus are not compatible with existing micro-SIM cards.

Rating for Hearing Aids

iPhone 8 (Model A1863, A1905): M3, T4

iPhone 8 Plus (Model A1864, A1897): M3, T4

Mail Attachment Support

Viewable document types

.jpg, .tiff, .gif (images); .doc and .docx (Microsoft Word); .htm and .html (web pages); .key (Keynote); .numbers (Numbers); .pages (Pages); .pdf (Preview and Adobe Acrobat); .ppt and .pptx (Microsoft PowerPoint); .txt (text); .rtf (rich text format); .vcf (contact information); .xls and .xlsx (Microsoft Excel); .zip; .ics

System Requirements

Apple ID (required for some features)

Internet access¹²

Syncing with iTunes on a Mac or PC requires:

- **Mac:** OS X 10.9.5 or later
- **PC:** Windows 7 or later
- iTunes 12.7 or later (free download from www.itunes.com/download)

In the Box

iPhone with iOS 11

EarPods with Lightning Connector

Lightning to 3.5 mm Headphone Jack Adapter

Lightning to USB Cable

USB Power Adapter

Documentation

