

iPhone 8

iPhone 8

iPhone 8 Plus

Finish



Gold, Silver, Space Gray



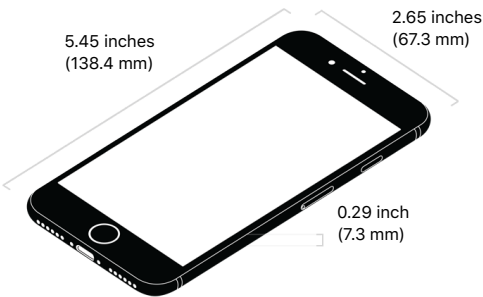
Gold, Silver, Space Gray

Capacity

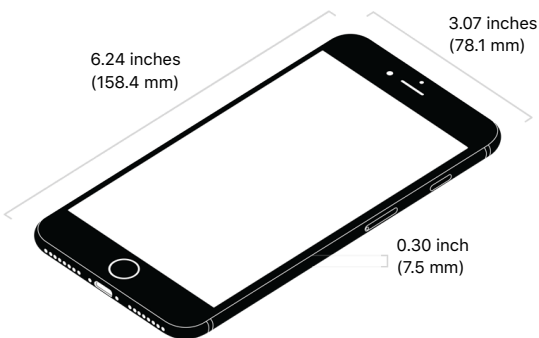
64GB
128GB

64GB
128GB

Size and Weight

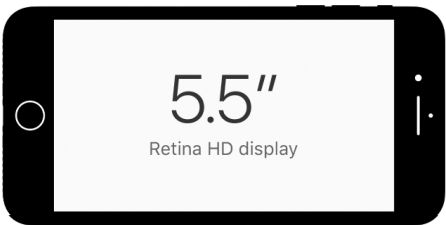
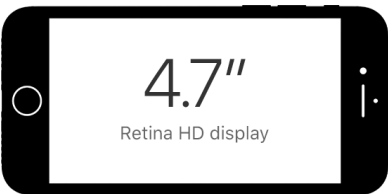


Weight: 5.22 ounces (148 grams)



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 nits max brightness (typical)

Dual-domain pixels for wide viewing angles

Fingerprint-resistant oleophobic coating

Support for display of multiple languages and characters simultaneously

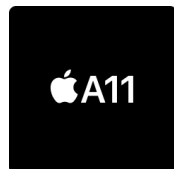
Display Zoom

Reachability

Splash, Water, and Dust Resistant

Rated IP67 (maximum depth of 1 meter up to 30 minutes) under IEC standard 60529

Chip



A11 Bionic chip

Neural Engine

Camera

Single 12MP Wide camera

Wide: $f/1.8$ aperture

Digital zoom up to 5x

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Dual 12MP Wide and Telephoto cameras

Wide: $f/1.8$ aperture

Telephoto: $f/2.8$ aperture

2x optical zoom in; digital zoom up to 10x

Portrait mode

Portrait Lighting with five effects (Natural, Studio, Contour, Stage, Stage Mono)

Both models:

Optical image stabilization

Six-element lens

LED True Tone flash with Slow Sync

Panorama (up to 63MP)

Live Photos with stabilization

Wide color capture for photos and Live Photos
Auto HDR for photos
Auto image stabilization
Burst 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
2x optical zoom in; digital zoom up to 6x (iPhone 8 Plus only)
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 formats recorded: HEVC and H.264

FaceTime HD Camera

7MP camera
 $f/2.2$ aperture
1080p HD video recording at 30 fps
Retina Flash
Wide color capture for photos and Live Photos
Auto HDR for photos
Auto image stabilization
Burst mode

Touch ID

Fingerprint sensor built into the Home button

Apple Pay

Pay with your iPhone using Touch ID in stores, within apps, and on the web
Send and receive money in Messages
Complete purchases made with Apple Pay on your Mac

Apple Card

Credit card created by Apple, designed for iPhone

Use the Wallet app to apply for, manage, and use Apple Card

Pay with Apple Pay using Touch ID in stores, within apps, and on the web

Titanium, laser-etched physical credit card for use where Apple Pay is not accepted yet

Carriers



Cellular and Wireless

Model A1863

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

Model A1864

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

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

Model A1897

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

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

Express Cards

Location

Built-in GPS/GNSS

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

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+)

Stereo playback

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)

Video mirroring and video out support: Up to 1080p through Lightning Digital AV Adapter and Lightning to VGA Adapter (adapters sold separately)

Siri

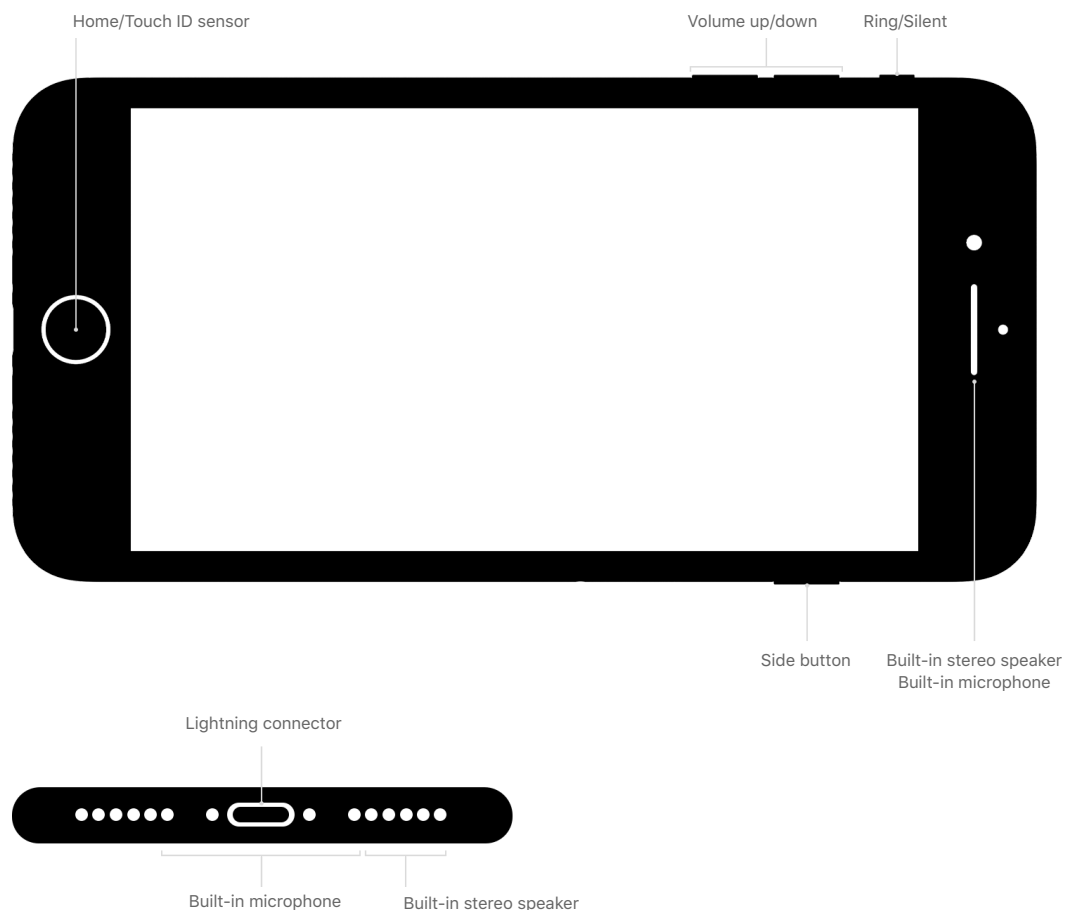
Use your voice to send messages, set reminders, and more

Get intelligent suggestions on your Lock screen and in Messages, Mail, QuickType, and more

Activate hands-free with only your voice using “Hey Siri”

Use your voice to run shortcuts from your favorite apps

External Buttons and Connectors



Power and Battery

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 in 30 minutes with 18W adapter or higher (sold separately)

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 in 30 minutes with 18W adapter or higher (sold separately)

Both models:

Built-in rechargeable lithium-ion battery

Wireless charging (works with Qi chargers)

Charging via USB to computer system or power adapter

Sensors

Touch ID fingerprint sensor

Barometer

Three-axis gyro

Accelerometer

Proximity sensor

Ambient light sensor

Operating System

iOS 13

iOS is the world's most personal and secure mobile operating system, packed with powerful features and designed to protect your privacy.

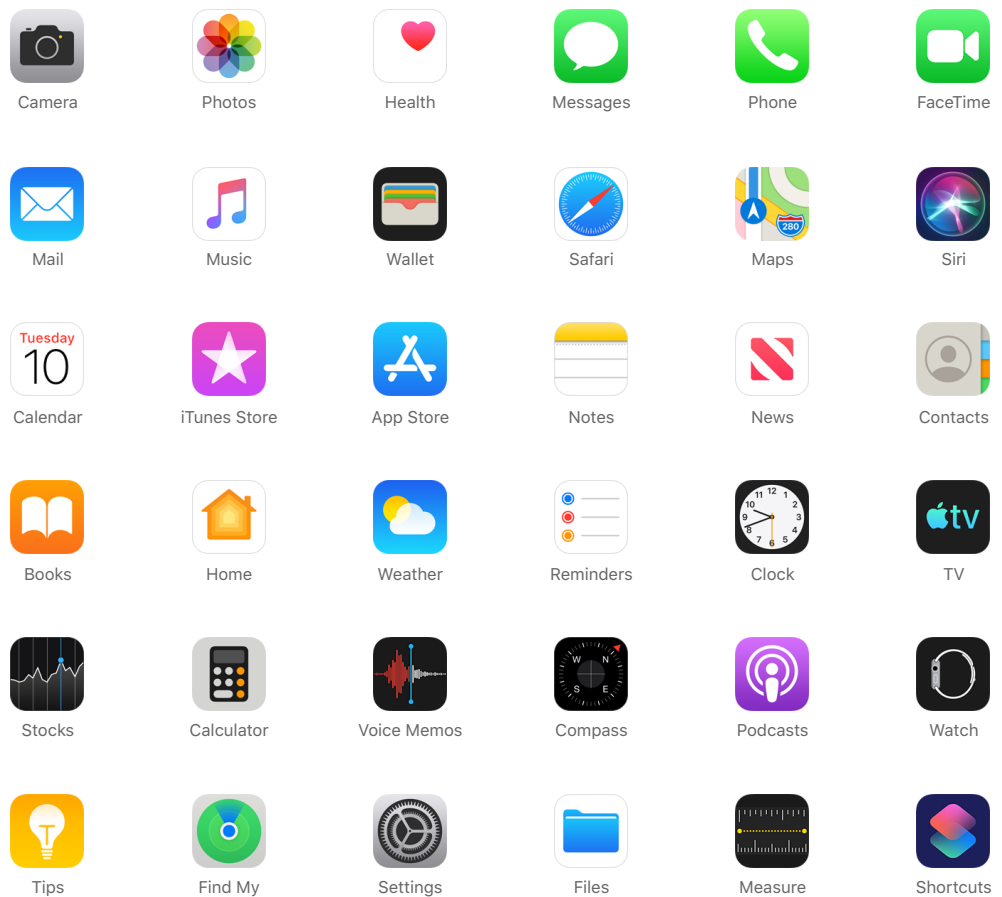
Accessibility

Accessibility features help people with disabilities get the most out of their new iPhone 8. With built-in support for vision, hearing, mobility, and learning, you can fully enjoy the world's most personal device.

Features include:

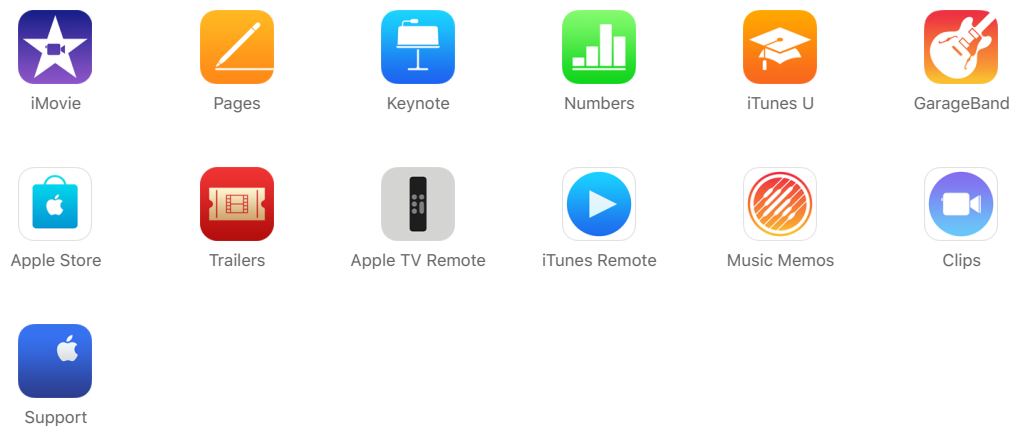
- Voice Control
- VoiceOver
- Zoom
- Magnifier
- RTT and TTY support
- Siri and Dictation
- Type to Siri
- Switch Control
- Closed Captions
- AssistiveTouch
- Speak Screen

Built-in Apps



Free Apps from Apple

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



Headphones

EarPods with Lightning Connector



SIM Card

Nano-SIM

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

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; .usdz (USDZ Universal)

System Requirements

Apple ID (required for some features)

Internet access

Syncing to a Mac or a PC requires:

- macOS Catalina 10.15 using the Finder
- macOS El Capitan 10.11.6 through macOS Mojave 10.14.6 using iTunes 12.8 or later
- Windows 7 or later using iTunes 12.9 or later

Environmental Requirements

Operating ambient temperature: 32° to 95° F (0° to 35° C)

Nonoperating temperature: –4° to 113° F (–20° to 45° C)

Relative humidity: 5% to 95% noncondensing

Operating altitude: tested up to 10,000 feet (3000 m)

Languages

Language support

English (Australia, UK, U.S.), Chinese (Simplified, Traditional, Traditional Hong Kong), French (Canada, France), German, Italian, Japanese, Korean, Spanish (Latin America, Mexico, Spain), Arabic, Catalan, Croatian, Czech, Danish, Dutch, Finnish, Greek, Hebrew, Hindi, Hungarian, Indonesian, Malay, Norwegian, Polish, Portuguese (Brazil, Portugal), Romanian, Russian, Slovak, Swedish, Thai, Turkish, Ukrainian, Vietnamese

QuickType keyboard support

English (Australia, Canada, India, Singapore, UK, U.S.), Chinese – Simplified (Handwriting, Pinyin QWERTY, Pinyin 10 Key, Shuangpin, Stroke), Chinese – Traditional (Cangjie, Handwriting, Pinyin QWERTY, Pinyin 10 Key, Shuangpin, Stroke, Sucheng, Zhuyin), French (Belgium, Canada, France, Switzerland), German (Austria, Germany, Switzerland), Italian, Japanese (Kana, Romaji), Korean (2-Set, 10 Key), Spanish (Latin America, Mexico, Spain), Albanian, Arabic (Modern Standard, Najdi), Armenian, Assamese, Azerbaijani, Bangla, Belarusian, Bodo, Bulgarian, Burmese, Cantonese – Traditional (Cangjie, Handwriting, Stroke, Sucheng), Catalan, Cherokee, Croatian, Czech, Danish, Dhivehi, Dogri, Dutch, Emoji, Estonian, Faroese, Filipino, Finnish, Flemish, Georgian, Greek, Gujarati, Hawaiian, Hebrew, Hindi (Devanagari, Latin, Transliteration), Hungarian, Icelandic, Indonesian, Irish, Kannada, Kashmiri (Arabic, Devanagari), Kazakh, Khmer, Konkani (Devanagari), Kurdish (Arabic, Latin), Kyrgyz, Lao, Latvian, Lithuanian, Macedonian, Maithili (Bangla), Malay (Arabic, Latin), Malayalam, Maltese, Manipuri (Bangla, Meetei Mayek), Maori, Marathi, Mongolian, Nepali, Norwegian, Odia, Pashto, Persian, Polish, Portuguese (Brazil, Portugal), Punjabi, Romanian, Russian, Sanskrit, Santali (Devanagari, Ol Chiki), Serbian (Cyrillic, Latin), Sindhi (Arabic, Devanagari), Sinhala, Slovak, Slovenian, Swahili, Swedish, Tajik, Tamil (Anjal, Tamil 99), Telugu, Thai, Tibetan, Tongan, Turkish, Turkmen, Ukrainian, Urdu, Uyghur, Uzbek (Arabic, Cyrillic, Latin), Vietnamese, Welsh

QuickType keyboard support with predictive inputs

English (Australia, Canada, India, Singapore, UK, U.S.), Chinese (Simplified, Traditional), French (Belgium, Canada, France, Switzerland), German (Austria, Germany, Switzerland), Italian, Japanese, Korean, Spanish (Latin America, Mexico, Spain), Arabic (Najdi), Cantonese (Traditional), Dutch, Hindi (Devanagari, Latin), Portuguese (Brazil, Portugal), Russian, Swedish, Thai, Turkish, Vietnamese

Siri languages

English (Australia, Canada, India, Ireland, New Zealand, Singapore, South Africa, UK, U.S.), Spanish (Chile, Mexico, Spain, U.S.), French (Belgium, Canada, France, Switzerland), German (Austria, Germany, Switzerland), Italian (Italy, Switzerland), Japanese, Korean, Mandarin (China mainland, Taiwan), Cantonese (China mainland, Hong Kong), Arabic (Saudi Arabia, United Arab Emirates), Danish (Denmark), Dutch (Belgium, Netherlands), Finnish (Finland), Hebrew (Israel), Malay (Malaysia), Norwegian (Norway), Portuguese (Brazil), Russian (Russia), Swedish (Sweden), Thai (Thailand), Turkish (Turkey)

Dictation languages

English (Australia, Canada, India, Indonesia, Ireland, Malaysia, New Zealand, Philippines, Saudi Arabia, Singapore, South Africa, United Arab Emirates, UK, U.S.), Spanish (Argentina, Chile, Colombia, Costa Rica, Dominican Republic, Ecuador, El Salvador, Guatemala, Honduras, Mexico, Panama, Paraguay, Peru, Spain, Uruguay, U.S.), French (Belgium, Canada, France, Luxembourg, Switzerland), German (Austria, Germany, Luxembourg, Switzerland), Italian (Italy, Switzerland), Japanese, Korean, Mandarin (China mainland, Taiwan), Cantonese (China mainland, Hong Kong, Macao), Arabic (Kuwait, Qatar, Saudi Arabia, United Arab Emirates), Catalan, Croatian, Czech, Danish, Dutch (Belgium, Netherlands), Finnish, Greek, Hebrew, Hindi (India), Hungarian, Indonesian, Malaysian, Norwegian, Polish, Portuguese (Brazil, Portugal), Romanian, Russian, Shanghainese (China mainland), Slovakian, Swedish, Thai, Turkish, Ukrainian, Vietnamese

Definition dictionary support

English, Chinese (Simplified, Traditional), Danish, Dutch, French, German, Hebrew, Hindi, Italian, Japanese, Korean, Norwegian, Portuguese, Russian, Spanish, Swedish, Thai, Turkish

Thesaurus

English (UK, U.S.)

Bilingual dictionary support with English

Arabic, Chinese (Simplified, Traditional), French, German, Italian, Japanese, Spanish, Korean, Dutch, Hindi, Portuguese, Russian, Thai, Vietnamese

Spell check

English, French, German, Italian, Spanish, Danish, Dutch, Finnish, Korean, Norwegian, Polish, Portuguese, Russian, Swedish, Turkish

In the Box

iPhone with iOS 13
EarPods with Lightning Connector
Lightning to USB Cable
USB Power Adapter
Documentation

