**Finish**

- **iPhone 8**: Gold, Silver, Space Gray
- **iPhone 8 Plus**: Gold, Silver, Space Gray

**Capacity**

- **iPhone 8**: 64GB, 256GB
- **iPhone 8 Plus**: 64GB, 256GB

**Size and Weight**

- **iPhone 8**:
  - **Screen**: 5.45 inches (138.4 mm)
  - **Width**: 2.65 inches (67.3 mm)
  - **Thickness**: 0.29 inch (7.3 mm)
  - **Weight**: 5.22 ounces (148 grams)

- **iPhone 8 Plus**:
  - **Screen**: 6.24 inches (158.4 mm)
  - **Width**: 3.07 inches (78.1 mm)
  - **Thickness**: 0.30 inch (7.5 mm)
  - **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 Resistant
Rated IP67 under IEC standard 60529

Chip
A11 Bionic chip with 64-bit architecture
Neural Engine
Embedded M11 motion coprocessor

Camera
12MP camera
Wide-angle: f/1.8 aperture

12MP wide-angle and telephoto cameras
Wide-angle: f/1.8 aperture
Telephoto: \( f/2.8 \) aperture

- Digital zoom up to 5x
- 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

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
- Complete purchases made with Apple Pay on your Mac
- Receive and redeem rewards using rewards cards
- Learn more about Apple Pay ➤
### Cellular and Wireless

<table>
<thead>
<tr>
<th>Model</th>
<th>Wired and Wireless Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model A1863*</td>
<td>FDD-LTE (Bands 1, 2, 3, 4, 5, 7, 8, 12, 13, 17, 18, 19, 20, 25, 26, 28, 29, 30, 66)</td>
</tr>
<tr>
<td>Model A1864*</td>
<td>TD-LTE (Bands 34, 38, 39, 40, 41)</td>
</tr>
<tr>
<td></td>
<td>TD-SCDMA 1900 (F), 2000 (A)</td>
</tr>
<tr>
<td></td>
<td>CDMA EV-DO Rev. A (800, 1900, 2100 MHz)</td>
</tr>
<tr>
<td></td>
<td>UMTS/HSPA+/DC-HSDPA (850, 900, 1700/2100, 1900, 2100 MHz)</td>
</tr>
<tr>
<td></td>
<td>GSM/EDGE (850, 900, 1800, 1900 MHz)</td>
</tr>
<tr>
<td>Model A1905*</td>
<td>FDD-LTE (Bands 1, 2, 3, 4, 5, 7, 8, 12, 13, 17, 18, 19, 20, 25, 26, 28, 29, 30, 66)</td>
</tr>
<tr>
<td>Model A1897*</td>
<td>TD-LTE (Bands 34, 38, 39, 40, 41)</td>
</tr>
<tr>
<td></td>
<td>UMTS/HSPA+/DC-HSDPA (850, 900, 1700/2100, 1900, 2100 MHz)</td>
</tr>
<tr>
<td></td>
<td>GSM/EDGE (850, 900, 1800, 1900 MHz)</td>
</tr>
<tr>
<td>All models</td>
<td>802.11ac Wi-Fi with MIMO</td>
</tr>
<tr>
<td></td>
<td>Bluetooth 5.0 wireless technology</td>
</tr>
<tr>
<td></td>
<td>NFC with reader mode</td>
</tr>
</tbody>
</table>

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

### Location

- Assisted GPS, GLONASS, Galileo, and QZSS
- 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+)
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 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

- Home/Touch ID sensor
- Volume up/down
- Ring/Silent switch
- Side button
- Built-in stereo speaker
- Built-in microphone
- Lightning connector
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 30 minutes

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 minutes

Both models:
- Built-in rechargeable lithium-ion battery
- Wireless charging (works with Qi chargers)
- 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.

Free Apps from

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 access

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)

Environmental

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

- **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, Catalán, 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, Stroke), Chinese - Traditional (Cangjie, Handwriting, Pinyin, Stroke, Sucheng, Zhuyin), French (Belgium, Canada, France, Switzerland), German (Austria, Germany, Switzerland), Italian, Japanese (Kana, Romaji), Korean, Spanish (Latin America, Mexico, Spain), Arabic (Modern Standard, Najdi), Armenian, Azerbaijani, Belarusian, Bengali, Bulgarian, Catalan, Cherokee, Croatian, Czech, Danish, Dutch, Emoji, Estonian, Filipino, Finnish, Flemish, Georgian, Greek, Gujarati, Hawaiian, Hebrew, Hindi (Devanagari, Transliteration), Hinglish, Hungarian, Icelandic, Indonesian, Irish, Kannada, Latvian, Lithuanian, Macedonian, Malay, Malayalam, Maori, Marathi, Norwegian, Odia, Persian, Polish, Portuguese (Brazil, Portugal), Punjabi, Romanian, Russian, Serbian (Cyrillic, Latin), Slovak, Slovenian, Swahili, Swedish, Tamil (Script, Transliteration), Telugu, Thai, Tibetan, Turkish, Ukrainian, Urdu, Vietnamese, Welsh

**QuickType keyboard support with predictive input**
- English (Australia, Canada, India, Singapore, UK, U.S.), Chinese (Simplified, Traditional), French (Belgium, Canada, France, Switzerland), German (Austria, Germany, Switzerland), Italian, Japanese, Korean, Russian, Spanish (Latin America, Mexico, Spain), Portuguese (Brazil, Portugal), Thai, Turkish

**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 (Mainland China, Taiwan), Cantonese (Mainland China, Hong Kong, Macao), 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 (Mainland China, Taiwan), Cantonese (Mainland China, 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 (Mainland China), Slovakian, Swedish, Thai, Turkish, Ukrainian, Vietnamese

**Definition dictionary support**
- English, Chinese (Simplified, Traditional), Danish, Dutch, French, German, Hindi, Italian,
Japanese, Korean, Norwegian, Portuguese, Russian, Spanish, Swedish, Thai, Turkish

Bilingual dictionary support
Chinese (Simplified), Dutch, French, German, Italian, Japanese, Korean, Portuguese, Russian, Spanish

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

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**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

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**iPhone and the Environment**

Apple takes a complete product life cycle approach to determining our environmental impact. Learn more ›

iPhone 8 and iPhone 8 Plus embody Apple’s continuing environmental progress. They are designed with the following features to reduce environmental impact:

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Apple and the Environment

Learn more about Apple’s dedication to reducing the environmental impact of our products and process. Or read our Product Environmental Reports for detailed information on the
- Mercury-free LED-backlit display
- Arsenic-free display glass
- Brominated flame retardant-free
- PVC-free
- Beryllium-free
- Recyclable aluminum

environmental performance of every Apple product.

Recycling
Apple takes a holistic view of materials management and waste minimization.
Learn more about how to recycle your iPhone ›

Compare iPhone models
Find the best iPhone for you ›
* To identify your iPhone model number, see http://support.apple.com/kb/HT3939. For details on LTE support, contact your carrier and see www.apple.com/iphone/LTE. Cellular technology support is based on iPhone model number and configuration for either CDMA or GSM networks.

1. Available space is less and varies due to many factors. A standard configuration uses approximately 8GB to 11GB of space (including iOS and preinstalled apps) depending on the model and settings. Preinstalled apps use about 4GB, and you can delete these apps and restore them.

2. Size and weight vary by configuration and manufacturing process.

3. iPhone 8 and iPhone 8 Plus are splash, water, and dust resistant and were tested under controlled laboratory conditions with a rating of IP67 under IEC standard 60529. Splash, water, and dust resistance are not permanent conditions and resistance might decrease as a result of normal wear. Do not attempt to charge a wet iPhone; refer to the user guide for cleaning and drying instructions. Liquid damage not covered under warranty.

4. FaceTime calling requires a FaceTime-enabled device for the caller and recipient and a Wi-Fi connection. Availability over a cellular network depends on carrier policies; data charges may apply.

5. Data plan required. LTE Advanced, LTE, VoLTE, and Wi-Fi calling are available in select markets and through select carriers. Speeds are based on theoretical throughput and vary based on site conditions and carrier. For details on LTE support, contact your carrier and see www.apple.com/iphone/LTE.

6. Standard Dynamic Range video content only.

7. Siri may not be available in all languages or in all areas, and features may vary by area. Internet access required. Cellular data charges may apply.

8. All battery claims depend on network configuration and many other factors; actual results will vary. Battery has limited recharge cycles and may eventually need to be replaced by Apple service provider. Battery life and charge cycles vary by use and settings. See www.apple.com/batteries and www.apple.com/iphone/battery.html for more information.

9. Testing conducted by Apple in August 2017 using preproduction iPhone 8 and iPhone 8 Plus units and software and accessory Apple USB-C Power Adapters (29W Model A1540, 61W Model A1718, 87W Model A1719). Fast-charge testing conducted with drained iPhone units. Charge time varies with environmental factors; actual results will vary.

10. Compatible wireless charging mats sold separately.

11. iMovie, GarageBand, Pages, Numbers, and Keynote are available on the App Store. Downloading apps requires an Apple ID and a device that is compatible with the iOS version required for each app.

12. Wireless broadband recommended; fees may apply. Some features may not be available for all countries or all areas. Click here to see complete list.