

[Mac](#)[iPad](#)[iPhone](#)[Watch](#)[TV](#)[Music](#)[Support](#)

## iPhone X

[Overview](#)[iOS](#)[Tech Specs](#)[Models and Pricing](#)

### Finish



Space Gray



Silver

### Capacity<sup>1</sup>

64GB

256GB

### Size and Weight<sup>2</sup>



**Height:** 5.65 inches (143.6 mm)

**Width:** 2.79 inches (70.9 mm)

**Depth:** 0.30 inch (7.7 mm)

**Weight:** 6.14 ounces (174 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)

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

The iPhone X 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).

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## Splash, Water, and Dust Resistant<sup>3</sup>

Rated IP67 under IEC standard 60529

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## Chip



A11 Bionic chip with 64-bit architecture

Neural engine

Embedded M11 motion coprocessor

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## Camera

12MP wide-angle and telephoto cameras

Wide-angle:  $f/1.8$  aperture

Telephoto:  $f/2.4$  aperture

Optical zoom; digital zoom up to 10x

Portrait mode

Portrait Lighting (beta)

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

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

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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  
Optical image stabilization for video  
Optical zoom; 6x digital zoom  
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

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## TrueDepth Camera

7MP camera  
Portrait mode  
Portrait Lighting (beta)  
Animoji  
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

## 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  
 Complete purchases made with Apple Pay on your Mac  
 Receive and redeem rewards using rewards cards  
[Learn more about Apple Pay >](#)

## Carriers



Available in store only.

## Cellular and Wireless

### Model A1865\*

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 A1901\*

Model A1901 does 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

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## Location

Assisted GPS, GLONASS, Galileo, and QZSS

Digital compass

Wi-Fi

Cellular

iBeacon microlocation

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## Video Calling<sup>4</sup>

FaceTime video calling over Wi-Fi or cellular

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## Audio Calling<sup>4</sup>

FaceTime audio

Voice over LTE (VoLTE)<sup>5</sup>

Wi-Fi calling<sup>5</sup>

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## 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

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## Video Playback

Video formats supported: HEVC, H.264, MPEG-4 Part 2, and Motion JPEG

High Dynamic Range with Dolby Vision and HDR10 content

AirPlay Mirroring, photos, and video out to Apple TV (2nd generation or later)<sup>6</sup>

Video mirroring and video out support: Up to 1080p through Lightning Digital AV Adapter and Lightning to VGA Adapter (adapters sold separately)<sup>6</sup>

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## Siri<sup>7</sup>

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

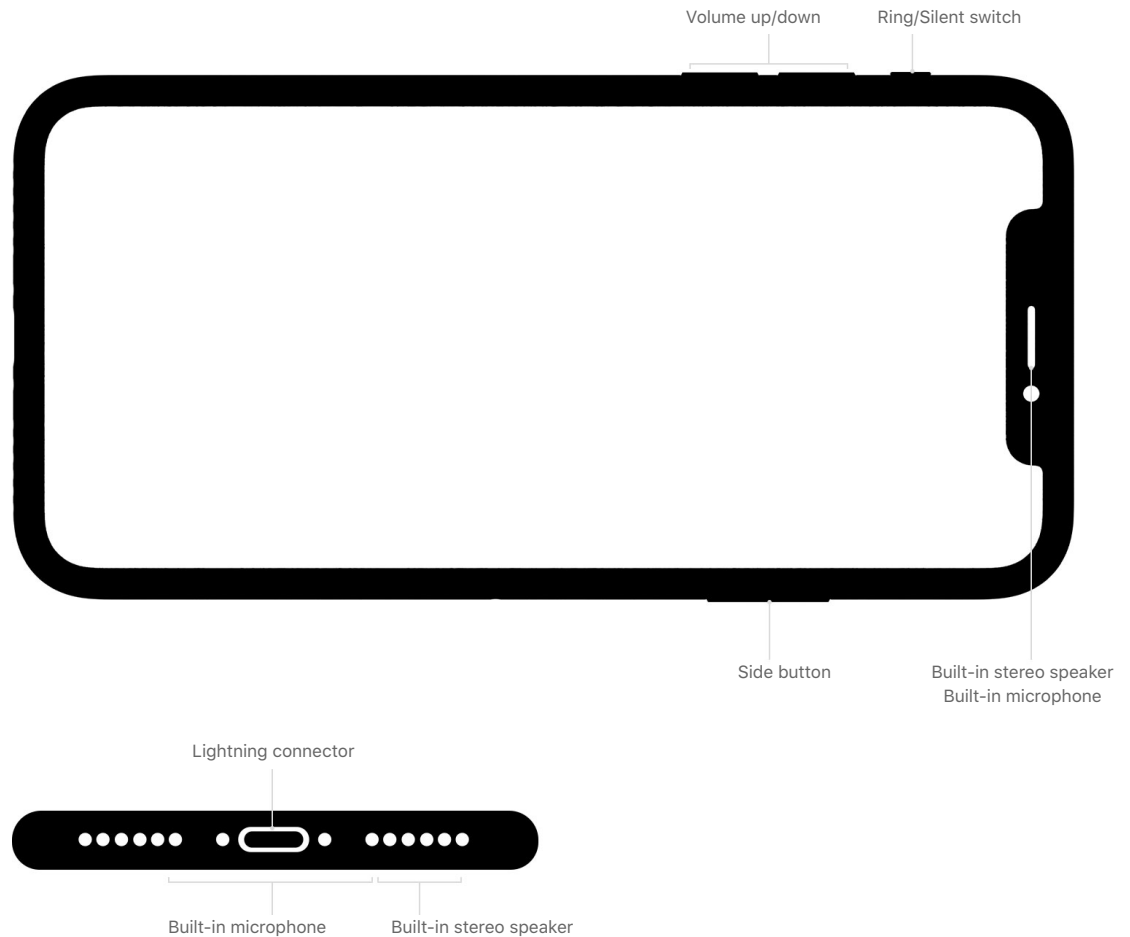
Get intelligent suggestions in Messages, Mail, QuickType, and more

Activate with only your voice using “Hey Siri”

Listen and identify songs

[Learn more about Siri >](#)

## External Buttons and Connectors



## Power and Battery<sup>8</sup>

Lasts up to 2 hours longer than iPhone 7

### Talk time (wireless):

Up to 21 hours

### Internet use:

Up to 12 hours

### Video playback (wireless):

Up to 13 hours

### Audio playback (wireless):

Up to 60 hours

### Fast-charge capable:

Up to 50% charge 30 minutes<sup>9</sup>

Built-in rechargeable lithium-ion battery

Wireless charging (works with Qi chargers<sup>10</sup>)

Charging via USB to computer system or power adapter

Fast-charge capable

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## Sensors

Face ID

Barometer

Three-axis gyro

Accelerometer

Proximity sensor

Ambient light sensor

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## 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 >](#)

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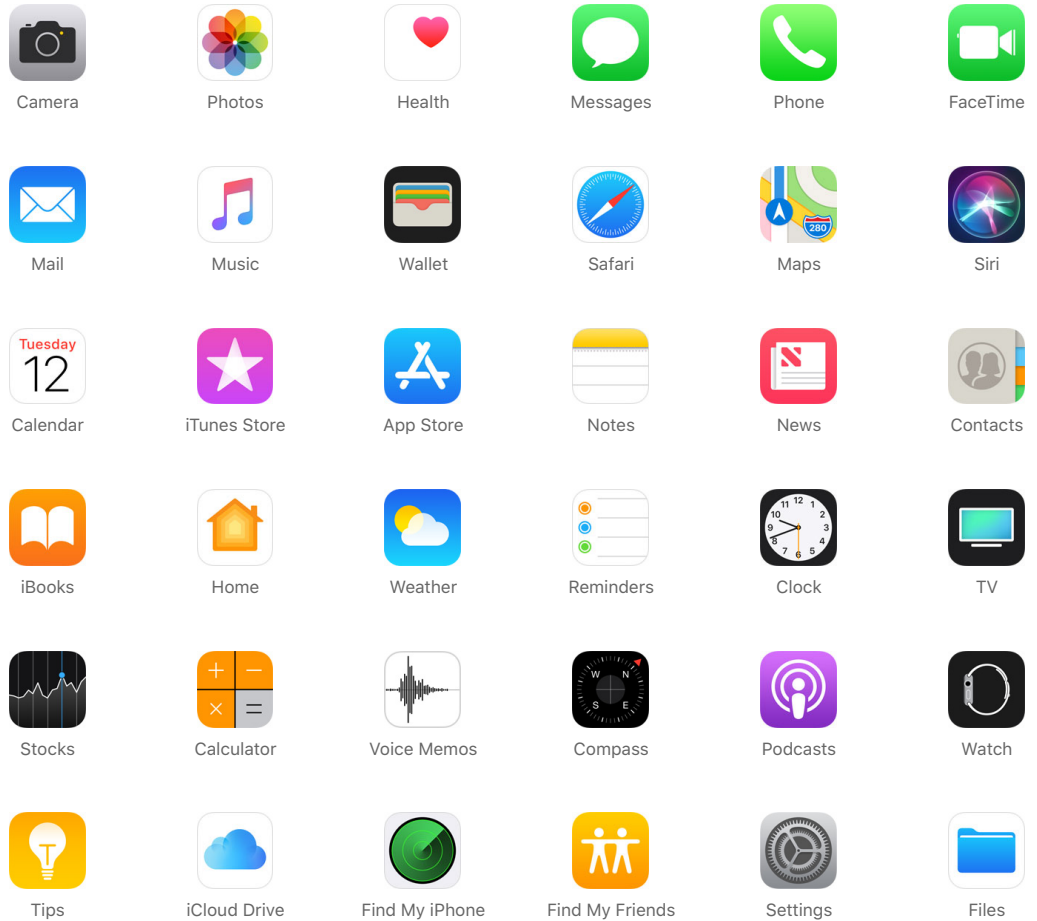
## Accessibility

Accessibility features help people with disabilities get the most out of their new iPhone X. 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:

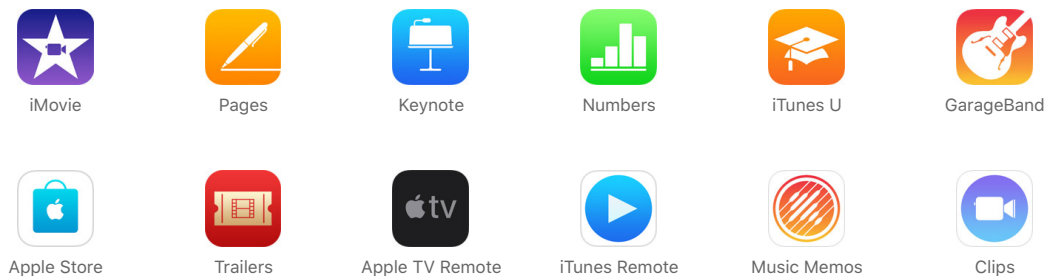
- VoiceOver
  - Zoom
  - Magnifier
  - Software TTY
  - Siri and Dictation
  - Type to Siri
  - Switch Control
  - Closed Captions
  - AssistiveTouch
  - Speak Screen
-

## Built-in Apps



## Free Apps from Apple<sup>11</sup>

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



## Headphones

EarPods with Lightning Connector



## SIM Card

Nano-SIM

iPhone X is not compatible with existing micro-SIM cards.



## Rating for Hearing Aids

iPhone X (Model A1865, A1901): M3, T4

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## 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

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## System Requirements

Apple ID (required for some features)

Internet access<sup>12</sup>

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](http://www.itunes.com/download))
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## 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)

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## 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, 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](#)

## iPhone and the Environment



Apple takes a complete product life cycle approach to determining our environmental impact. [Learn more >](#)

**iPhone X embodies Apple's continuing environmental progress. It is designed with the following features to reduce environmental impact:**

- Mercury-free
- Arsenic-free display glass
- Brominated flame retardant-free
- PVC-free
- Beryllium-free
- Recyclable stainless steel

### 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 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 >](#)





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\* 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](http://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 X is splash, water, and dust resistant and was 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](http://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](http://www.apple.com/batteries) and [www.apple.com/iphone/battery.html](http://www.apple.com/iphone/battery.html) for more information.
9. Testing conducted by Apple in August 2017 using preproduction iPhone X 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.](#)

 > [iPhone](#) > [iPhone X](#) > [Tech Specs](#)

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