



All iPhone models



iPhone X

5.8-inch Super Retina HD display with HDR and



Silver



iPhone 8 Plus

5.5-inch Retina HD display with True Tone



Silver



iPhone 8

4.7-inch Retina HD display with True Tone

5.8"

Super Retina HD display²

5.5"

Retina HD display

12MP

wide-angle and telephoto cameras



Face ID



A11 Bionic chip



Wireless charging
(works with Qi chargers³)

12MP

wide-angle and telephoto cameras



Touch ID



A11 Bionic chip



Wireless charging
(works with Qi chargers³)

Capacity⁴

64GB

256GB

[Models and Pricing](#)

64GB

256GB

[Models and Pricing](#)

Display

Super Retina HD display

5.8-inch (4.7-inch Notch) OLED display, 2436 x 1125 pixels

Retina HD display

5.5-inch (4.7-inch Notch) LCD display, 1920 x 1080 pixels

5.8-inch (diagonal) all-screen OLED
Multi-Touch display²

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)

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)

True Tone display

Wide color display (P3)

3D Touch

625 cd/m2 max brightness (typical)

Size and Weight⁵

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)

Height

6.24 inches (158.4 mm)

Width

3.07 inches (78.1 mm)

Depth

0.30 inch (7.5 mm)

Weight

7.13 ounces (202 grams)

Splash, Water, and Dust Resistant⁶



Chip

A11 Bionic chip with 64-bit architecture

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Neural engine

Embedded M11 motion coprocessor

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Embedded M11 motion coprocessor

Camera

12MP wide-angle and telephoto cameras

Wide-angle: $f/1.8$ aperture

Telephoto: $f/2.4$ aperture

Dual optical image stabilization

Optical zoom; digital zoom up to 10x

Wide color capture for photos and
Live Photos

Quad-LED True Tone flash with Slow Sync

Portrait mode

Portrait Lighting (beta)

12MP wide-angle and telephoto cameras

Wide-angle: $f/1.8$ aperture

Telephoto: $f/2.8$ aperture

Optical image stabilization

Optical zoom; digital zoom up to 10x

Wide color capture for photos and
Live Photos

Quad-LED True Tone flash with Slow Sync

Portrait mode

Portrait Lighting (beta)

Video Recording

4K video recording at 24 fps, 30 fps, or
60 fps

1080p HD video recording at 30 fps or
60 fps

Optical image stabilization for video

Optical zoom; digital zoom up to 6x

Slo-mo video support for 1080p at 120 fps
or 240 fps

Time-lapse video with stabilization

4K video recording at 24 fps, 30 fps, or
60 fps

1080p HD video recording at 30 fps or
60 fps

Optical image stabilization for video

Optical zoom; digital zoom up to 6x

Slo-mo video support for 1080p at 120 fps
or 240 fps

Time-lapse video with stabilization

Front Camera

TrueDepth camera	FaceTime HD camera
7MP photos	7MP photos
<i>f</i> /2.2 aperture	<i>f</i> /2.2 aperture
Retina Flash	Retina Flash
Wide color capture for photos and Live Photos	Wide color capture for photos and Live Photos
1080p HD video recording	1080p HD video recording
Portrait mode	—
Portrait Lighting (beta)	—
Animoji	—

Carriers



Cellular and Wireless

GSM/EDGE	GSM/EDGE
UMTS/HSPA+	UMTS/HSPA+
DC-HSDPA	DC-HSDPA
CDMA EV-DO Rev. A (some models)	CDMA EV-DO Rev. A (some models)
LTE Advanced ⁷	LTE Advanced ⁷
802.11ac Wi-Fi with MIMO	802.11ac Wi-Fi with MIMO
Bluetooth 5.0	Bluetooth 5.0
GPS, GLONASS, Galileo, and QZSS	GPS, GLONASS, Galileo, and QZSS
VoLTE ⁷	VoLTE ⁷

NFC with reader mode

NFC with reader mode

Wi-Fi calling⁷

Wi-Fi calling⁷

Secure Authentication

Face ID

Touch ID

Enabled by TrueDepth camera for facial recognition

Second-generation fingerprint sensor built into the Home button

Apple Pay

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

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

Receive and redeem rewards using rewards cards

Receive and redeem rewards using rewards cards

Video Calling⁸

FaceTime video

Initiate video calls over Wi-Fi or cellular to any FaceTime-enabled device

Audio Calling⁸

FaceTime audio

Initiate audio calls over Wi-Fi or cellular to any FaceTime audio-enabled device

Voice over LTE (VoLTE)⁷

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

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

High Dynamic Range with Dolby Vision and HDR10 content

AirPlay Mirroring, photos, and video out to Apple TV (2nd generation or later)⁹

Video mirroring and video out support: Up to 1080p through Lightning Digital AV Adapter and Lightning to VGA Adapter (adapters sold separately)⁹

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)⁹

Video mirroring and video out support: Up to 1080p through Lightning Digital AV Adapter and Lightning to VGA Adapter (adapters sold separately)⁹

Siri¹⁰

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

Power and Battery¹¹

Lasts up to 2 hours longer than iPhone 7

Lasts about the same as iPhone 7 Plus

Built-in rechargeable lithium-ion battery

Built-in rechargeable lithium-ion battery

Wireless charging (works with Qi chargers³)

Wireless charging (works with Qi chargers³)

Charging via USB to computer system or power adapter

Charging via USB to computer system or power adapter

Talk time (wireless):

Up to 21 hours

Talk time (wireless):

Up to 21 hours

Internet use:

Up to 12 hours

Internet use:

Up to 13 hours

Video playback (wireless):

Up to 13 hours

Video playback (wireless):

Up to 14 hours

Audio playback (wireless):

Up to 60 hours

Audio playback (wireless):

Up to 60 hours

Fast-charge capable:

Up to 50% charge 30 minutes¹²

Fast-charge capable:

Up to 50% charge 30 minutes¹²

Included Headphones

EarPods with Lightning Connector

EarPods with Lightning Connector

Lightning to 3.5 mm Headphone Jack Adapter

Lightning to 3.5 mm Headphone Jack Adapter

Sensors

Three-axis gyro

Three-axis gyro

Accelerometer

Proximity sensor

Ambient light sensor

Barometer

Accelerometer

Proximity sensor

Ambient light sensor

Barometer

SIM Card

Nano-SIM

Not compatible with existing micro-SIM cards

Connector

Lightning



iPhone X

[Tech specs >](#) [Learn more >](#)



iPhone 8 Plus

[Tech specs >](#) [Learn more >](#)

1. The high-gloss finish of the jet black iPhone 7 is achieved through a precision nine-step anodization and polishing process. Its surface is equally as hard as other anodized Apple products; however, its high shine may show fine micro-abrasions with use. If you are concerned about this, we suggest you use one of the many cases available to protect your iPhone.
2. 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).
3. Compatible wireless charging mats sold separately.
4. 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.