

# iPhone 13 Pro

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## iPhone 13 Pro

## iPhone 13 Pro Max

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### Finish



Graphite, Gold, Silver, Sierra Blue

Ceramic Shield front  
Textured matte glass back and  
stainless steel design



Graphite, Gold, Silver, Sierra Blue

Ceramic Shield front  
Textured matte glass back and  
stainless steel design

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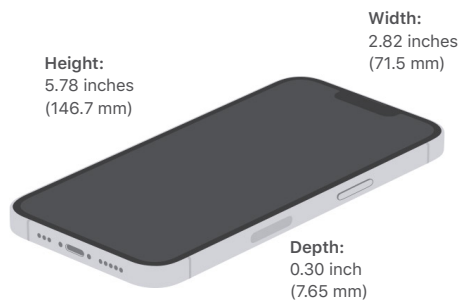
### Capacity

128GB  
256GB  
512GB  
1TB

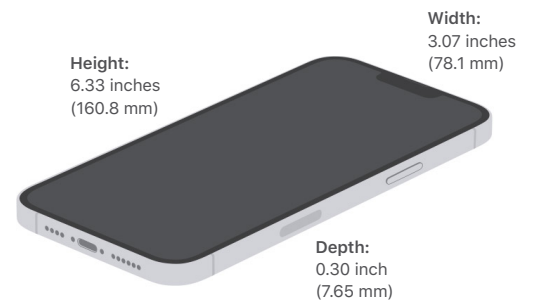
128GB  
256GB  
512GB  
1TB

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### Size and Weight



Weight: 7.19 ounces (204 grams)



Weight: 8.46 ounces (240 grams)

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## Display



Super Retina XDR display with ProMotion  
6.1-inch (diagonal) all-screen OLED display  
2532-by-1170-pixel resolution at 460 ppi

The iPhone 13 Pro 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 6.06 inches diagonally (actual viewable area is less).



Super Retina XDR display with ProMotion  
6.7-inch (diagonal) all-screen OLED display  
2778-by-1284-pixel resolution at 458 ppi

The iPhone 13 Pro Max 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 6.68 inches diagonally (actual viewable area is less).

### Both models:

ProMotion technology with adaptive refresh rates up to 120Hz

HDR display

True Tone

Wide color (P3)

Haptic Touch

2,000,000:1 contrast ratio (typical)

1000 nits max brightness (typical); 1200 nits max brightness (HDR)

Fingerprint-resistant oleophobic coating

Support for display of multiple languages and characters simultaneously

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## Splash, Water, and Dust Resistant

Rated IP68 (maximum depth of 6 meters up to 30 minutes) under IEC standard 60529

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## Chip



A15 Bionic chip

New 6-core CPU with 2 performance and 4 efficiency cores

New 5-core GPU

New 16-core Neural Engine

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## Camera

Pro 12MP camera system: Telephoto, Wide, and Ultra Wide cameras

Telephoto:  $f/2.8$  aperture

Wide:  $f/1.5$  aperture

Ultra Wide:  $f/1.8$  aperture and 120° field of view

3x optical zoom in, 2x optical zoom out; 6x optical zoom range

Digital zoom up to 15x

Night mode portraits enabled by LiDAR Scanner

Portrait mode with advanced bokeh and Depth Control

Portrait Lighting with six effects (Natural, Studio, Contour, Stage, Stage Mono, High-Key Mono)

Dual optical image stabilization (Telephoto and Wide)

Sensor-shift optical image stabilization (Wide)

Six-element lens (Telephoto and Ultra Wide); seven-element lens (Wide)

True Tone flash with Slow Sync

Panorama (up to 63MP)

Sapphire crystal lens cover

100% Focus Pixels (Wide)

Night mode

Deep Fusion

Smart HDR 4

Photographic Styles

Macro photography

Apple ProRAW

Wide color capture for photos and Live Photos

Lens correction (Ultra Wide)

Advanced red-eye correction

Photo geotagging

Auto image stabilization

Burst mode

Image formats captured: HEIF and JPEG

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## Video Recording

Cinematic mode for recording videos with shallow depth of field (1080p at 30 fps)

HDR video recording with Dolby Vision up to 4K at 60 fps

4K video recording at 24 fps, 25 fps, 30 fps, or 60 fps

1080p HD video recording at 25 fps, 30 fps, or 60 fps

720p HD video recording at 30 fps

ProRes video recording up to 4K at 30 fps (1080p at 30 fps for 128GB storage)

Dual optical image stabilization for video (Telephoto and Wide)

Sensor-shift optical image stabilization for video (Wide)

3x optical zoom in, 2x optical zoom out; 6x optical zoom range

Digital zoom up to 9x

Audio zoom

True Tone flash

QuickTake video

Slo-mo video support for 1080p at 120 fps or 240 fps  
Time-lapse video with stabilization  
Night mode Time-lapse  
Cinematic video stabilization (4K, 1080p, and 720p)  
Continuous autofocus video  
Take 8MP still photos while recording 4K video  
Playback zoom  
Video formats recorded: HEVC and H.264  
Stereo recording

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## TrueDepth Camera

12MP camera  
 $f/2.2$  aperture  
Portrait mode with advanced bokeh and Depth Control  
Portrait Lighting with six effects (Natural, Studio, Contour, Stage, Stage Mono, High-Key Mono)  
Animoji and Memoji  
Night mode  
Deep Fusion  
Smart HDR 4  
Photographic Styles  
Apple ProRAW  
Cinematic mode for recording videos with shallow depth of field (in 1080p at 30 fps)  
HDR video recording with Dolby Vision up to 4K at 60 fps  
4K video recording at 24 fps, 25 fps, 30 fps, or 60 fps  
1080p HD video recording at 25 fps, 30 fps, or 60 fps  
ProRes video recording up to 4K at 30 fps (1080p at 30 fps for 128GB storage)  
Slo-mo video support for 1080p at 120 fps  
Time-lapse video with stabilization  
Night mode Time-lapse  
Cinematic video stabilization (4K, 1080p, and 720p)  
QuickTake video  
Wide color capture for photos and Live Photos  
Lens correction  
Retina Flash  
Auto image stabilization  
Burst mode

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## Face ID

Enabled by TrueDepth camera for facial recognition

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## Apple Pay

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

Send and receive money in Messages with Apple Cash  
Complete purchases made with Apple Pay on your Mac  
Pay for your ride using Express Transit

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## Cellular and Wireless

<b>Model A2483</b>	5G NR (Bands n1, n2, n3, n5, n7, n8, n12, n20, n25, n28, n29, n30, n38, n40, n41, n48, n66, n71, n77, n78, n79) 5G NR mmWave (Bands n258, n260, n261) FDD-LTE (Bands 1, 2, 3, 4, 5, 7, 8, 11, 12, 13, 14, 17, 18, 19, 20, 21, 25, 26, 28, 29, 30, 32, 66, 71) TD-LTE (Bands 34, 38, 39, 40, 41, 42, 46, 48) CDMA EV-DO Rev. A (800, 1900 MHz) UMTS/HSPA+/DC-HSDPA (850, 900, 1700/2100, 1900, 2100 MHz) GSM/EDGE (850, 900, 1800, 1900 MHz)
<b>Model A2484</b>	5G NR (Bands n1, n2, n3, n5, n7, n8, n12, n20, n25, n28, n29, n30, n38, n40, n41, n48, n66, n71, n77, n78, n79) 5G NR mmWave (Bands n258, n260, n261) FDD-LTE (Bands 1, 2, 3, 4, 5, 7, 8, 11, 12, 13, 14, 17, 18, 19, 20, 21, 25, 26, 28, 29, 30, 32, 66, 71) TD-LTE (Bands 34, 38, 39, 40, 41, 42, 46, 48) CDMA EV-DO Rev. A (800, 1900 MHz) UMTS/HSPA+/DC-HSDPA (850, 900, 1700/2100, 1900, 2100 MHz) GSM/EDGE (850, 900, 1800, 1900 MHz)
<b>All models</b>	5G (sub-6 GHz and mmWave) Gigabit LTE with 4x4 MIMO and LAA Wi-Fi 6 (802.11ax) with 2x2 MIMO Bluetooth 5.0 wireless technology Ultra Wideband chip for spatial awareness NFC with reader mode Express Cards with power reserve

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## Location

Built-in GPS, GLONASS, Galileo, QZSS, and BeiDou  
Digital compass  
Wi-Fi  
Cellular  
iBeacon microlocation

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## Video Calling

FaceTime video calling over cellular or Wi-Fi

FaceTime HD (1080p) video calling over 5G or Wi-Fi

Share experiences like movies, TV, music, and other apps in a FaceTime call with SharePlay

Screen sharing

Portrait mode in FaceTime video

Spatial audio

Voice Isolation and Wide Spectrum microphone modes

Optical zoom with rear-facing camera

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## Audio Calling

FaceTime audio

Voice over LTE (VoLTE)

Wi-Fi calling

Share experiences like movies, TV, music, and other apps in a FaceTime call with SharePlay

Screen sharing

Spatial audio

Voice Isolation and Wide Spectrum microphone modes

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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), Dolby Atmos, and Audible (formats 2, 3, 4, Audible Enhanced Audio, AAX, and AAX+)

Spatial audio playback

User-configurable maximum volume limit

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## Video Playback

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

HDR with Dolby Vision, HDR10, and HLG

Up to 4K HDR AirPlay for mirroring, photos, and video out to Apple TV (2nd generation or later) or AirPlay 2-enabled smart TV

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

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## Siri

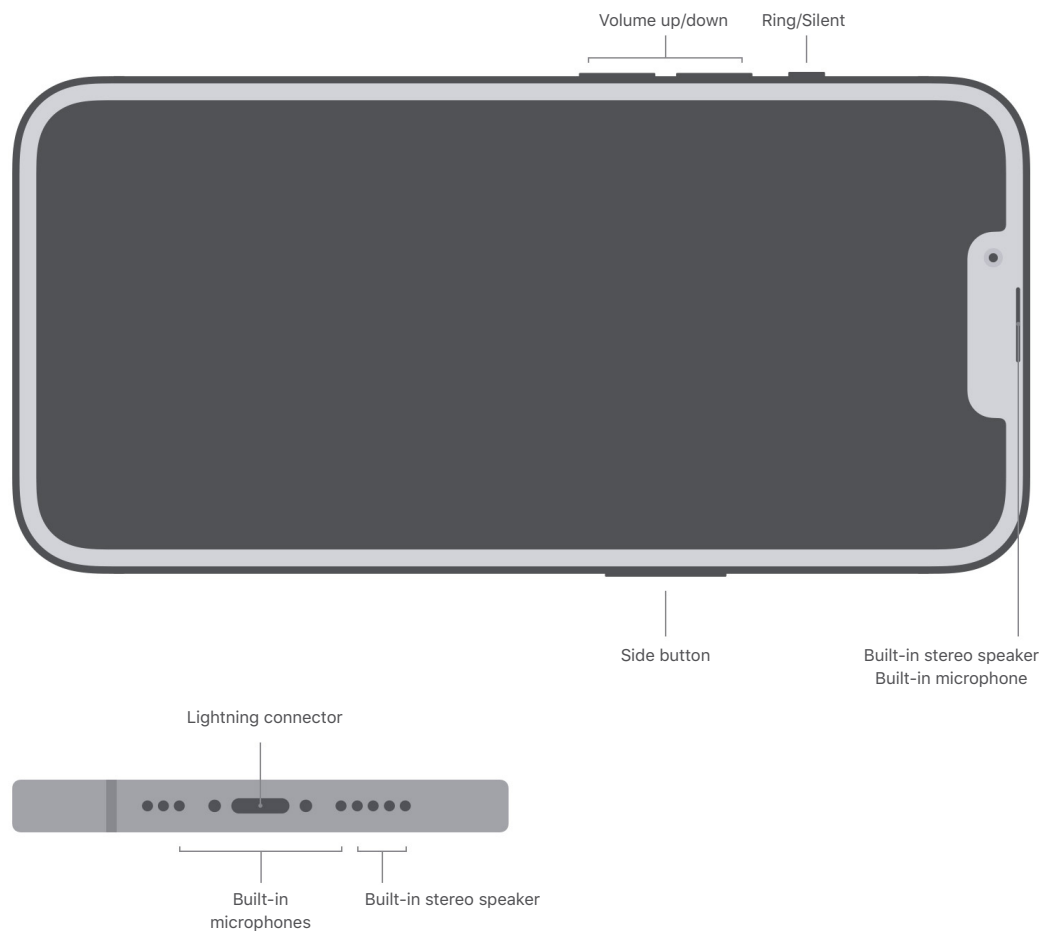
Use your voice to send messages, set reminders, and more

Activate hands-free with only your voice using "Hey Siri"

Use your voice to run shortcuts from your favorite apps

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## External Buttons and Connectors



## Power and Battery

**Video playback:**  
Up to 22 hours

**Video playback (streamed):**  
Up to 20 hours

**Audio playback:**  
Up to 75 hours

### Both models:

Built-in rechargeable lithium-ion battery

MagSafe wireless charging up to 15W

Qi wireless charging up to 7.5W

Charging via USB to computer system or power adapter

Fast-charge capable:

Up to 50% charge in around 30 minutes with 20W adapter or higher (available separately)

**Video playback:**  
Up to 28 hours

**Video playback (streamed):**  
Up to 25 hours

**Audio playback:**  
Up to 95 hours

## MagSafe

Wireless charging up to 15W

Magnet array

Alignment magnet

Accessory Identification NFC

Magnetometer

## Sensors

Face ID  
LiDAR Scanner  
Barometer  
Three-axis gyro  
Accelerometer  
Proximity sensor  
Ambient light sensor

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## Operating System

iOS 15

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

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## Accessibility

Built-in accessibility features supporting vision, mobility, hearing, and cognitive disabilities help you get the most out of your iPhone.

### Features include:

- Voice Control
  - VoiceOver
  - Zoom
  - Magnifier
  - RTT and TTY support
  - Siri and Dictation
  - Type to Siri
  - Switch Control
  - Closed Captions
  - AssistiveTouch
  - Spoken Content
  - Back Tap
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## SIM Card

Dual SIM (nano-SIM and eSIM)

Dual eSIM support

iPhone 13 Pro and iPhone 13 Pro Max are not compatible with existing micro-SIM cards.

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## Rating for Hearing Aids

M3, T4

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## System Requirements

Apple ID (required for some features)

Internet access

Syncing to a Mac or PC requires:

- macOS Catalina 10.15 or later 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 12.10.10 or later
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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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## In the Box

iPhone with iOS 15

USB-C to Lightning Cable

Documentation