

Documentation



iPhone 16 Pro - Tech Specs

Year introduced: 2024

[Identify your iPhone model](#)

Finish

Black Titanium

White Titanium

Natural Titanium

Desert Titanium

Titanium design, Latest-generation Ceramic Shield front, Textured matte glass back

Capacity¹

128GB
256GB
512GB
1TB

Size and Weight²

Width: 2.81 inches (71.5 mm)
Height: 5.89 inches (149.6 mm)
Depth: 0.32 inch (8.25 mm)
Weight: 7.03 ounces (199 grams)

Display

Super Retina XDR display
6.3-inch (diagonal) all-screen OLED display
2622-by-1206-pixel resolution at 460 ppi
Dynamic Island
Always-On display
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); 1600 nits peak brightness (HDR); 2000 nits peak brightness (outdoor); 1 nit minimum brightness
Fingerprint-resistant oleophobic coating
Support for display of multiple languages and characters simultaneously

The iPhone 16 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 6.27 inches diagonally (actual viewable area is less).

Splash, Water, and Dust Resistant³

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

Apple Intelligence

Built into your iPhone, Apple Intelligence is the personal intelligence system that helps you write, express yourself, and get things done effortlessly. With groundbreaking privacy protections, it gives you peace of mind that no one else can access your data — not even Apple.⁴

[Learn more about Apple Intelligence](#)

Chip

A18 Pro chip

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

New 6-core GPU

New 16-core Neural Engine

Camera

Pro camera system

48MP Fusion: 24 mm, $f/1.78$ aperture, second-generation sensor-shift optical image stabilization, 100% Focus Pixels, support for super-high-resolution photos (24MP and 48MP)

Also enables 12MP 2x Telephoto: 48 mm, $f/1.78$ aperture, second generation sensor-shift optical image stabilization, 100% Focus Pixels

48MP Ultra Wide: 13 mm, $f/2.2$ aperture and 120° field of view, Hybrid Focus Pixels, super-high-resolution photos (48MP)

12MP 5x Telephoto: 120 mm, $f/2.8$ aperture and 20° field of view, 100% Focus Pixels, seven-element lens, 3D sensor-shift optical image stabilization and autofocus, tetraprism design

5x optical zoom in, 2x optical zoom out; 10x optical zoom range

Digital zoom up to 25x

Camera Control

Customizable default lens (Fusion)

Sapphire crystal lens cover

Adaptive True Tone flash

Photonic Engine

Deep Fusion

Smart HDR 5

Next-generation portraits with Focus and Depth Control

Portrait Lighting with six effects

Night mode

Night mode portraits enabled by LiDAR Scanner

Panorama (up to 63MP)

Latest-generation Photographic Styles

Spatial photos

48MP macro photography

Apple ProRAW

Wide color capture for photos and Live Photos

Lens correction (Ultra Wide)

Advanced red-eye correction

Auto image stabilization

Burst mode

Photo geotagging

Image formats captured: HEIF, JPEG, and DNG

Video Recording

4K Dolby Vision video recording at 24 fps, 25 fps, 30 fps, 60 fps, 100 fps (Fusion), or 120 fps (Fusion)

1080p Dolby Vision video recording at 25 fps, 30 fps, 60 fps, or 120 fps (Fusion)

720p Dolby Vision video recording at 30 fps

Cinematic mode up to 4K Dolby Vision at 30 fps

Action mode up to 2.8K Dolby Vision at 60 fps

Spatial video recording at 1080p at 30 fps

ProRes video recording up to 4K at 120 fps with external recording

Log video recording

Academy Color Encoding System

Macro video recording, including slo-mo and time-lapse

Slo-mo video support for 1080p up to 240 fps and 4K Dolby Vision up to 120 fps (Fusion)

Time-lapse video with stabilization

Night mode Time-lapse

QuickTake video up to 4K Dolby Vision at 60 fps

Second-generation sensor-shift optical image stabilization for video (Fusion)

3D sensor-shift optical image stabilization and autofocus for video (Telephoto)

Digital zoom up to 15x

Audio zoom

True Tone flash

Cinematic video stabilization (4K, 1080p, and 720p)

Continuous autofocus video

Take 8MP still photos while recording 4K video

Playback zoom

Video formats recorded: HEVC, H.264, and ProRes

Spatial Audio and stereo recording

Four studio-quality mics

Wind noise reduction

Audio Mix

TrueDepth Camera

12MP camera

$f/1.9$ aperture

Autofocus with Focus Pixels

Retina Flash

Photonic Engine

Deep Fusion

Smart HDR 5

Next-generation portraits with Focus and Depth Control

Portrait Lighting with six effects

Animoji and Memoji

Night mode

Latest-generation Photographic Styles

Apple ProRAW

Wide color capture for photos and Live Photos

Lens correction

Auto image stabilization

Burst mode

4K Dolby Vision video recording at 24 fps, 25 fps, 30 fps, 60 fps, 100 fps (Fusion), or 120 fps (Fusion)

1080p Dolby Vision video recording at 25 fps, 30 fps, 60 fps, or 120 fps (Fusion)

Cinematic mode up to 4K Dolby Vision at 30 fps

ProRes video recording up to 4K at 60 fps with external recording

Log video recording

Academy Color Encoding System

Slo-mo video support for 1080p at 120 fps

Time-lapse video with stabilization

Night mode Time-lapse

QuickTake video up to 4K Dolby Vision at 60 fps

Cinematic video stabilization (4K, 1080p, and 720p)

Spatial Audio and stereo recording

Wind noise reduction

Audio Mix

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

Send and receive money in Messages with Apple Cash⁵

Complete purchases made with Apple Pay on your Mac

Pay for your ride using Express Transit⁶

[Learn more about Apple Pay](#)

[Learn more about Apple Cash](#)

Peace of Mind

Emergency SOS via satellite⁷

Crash Detection⁸

Roadside Assistance via satellite⁷

Messages via satellite⁷

Find My via satellite⁷

Cellular and Wireless

Model A3083*	FDD-5G NR (Bands n1, n2, n3, n5,
Model A3084*	n7, n8, n12, n14, n20, n25, n26, n28, n29, n30, n66, n70, n71, n75, n76)
	TDD-5G NR (Bands n38, n40, n41, n48, n53, n77, n78, n79)
	5G NR mmWave (Bands n258, n260, n261)
	FDD-LTE (Bands 1, 2, 3, 4, 5, 7, 8, 12, 13, 14, 17, 18, 19, 20, 25, 26, 28, 29, 30, 32, 66, 71)
	TDD-LTE (Bands 34, 38, 39, 40, 41, 42, 48, 53)
	UMTS/HSPA+/DC-HSDPA (850, 900, 1700/2100, 1900, 2100 MHz)
	GSM/EDGE (850, 900, 1800, 1900 MHz)

All models	5G (sub-6 GHz and mmWave) with 4x4 MIMO ⁹
	Gigabit LTE with 4x4 MIMO ⁹
	Wi-Fi 7 (802.11be) with 2x2 MIMO ¹⁰
	Bluetooth 5.3
	Second-generation Ultra Wideband chip ¹¹
	Thread networking technology
	NFC with reader mode
	Express Cards with power reserve

For details on 5G and LTE support, contact your carrier and see apple.com/iphone/cellular.

Location

Precision dual-frequency GPS (GPS, GLONASS, Galileo, QZSS, BeiDou, and NavIC)
Digital compass
Wi-Fi
Cellular
iBeacon microlocation

Video Calling¹²

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

Audio Calling¹²

FaceTime audio

Voice over LTE (VoLTE)⁹

Wi-Fi calling⁹

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

Audio Playback

Supported formats include AAC, APAC, MP3, Apple Lossless, FLAC, Dolby Digital, Dolby Digital Plus, and Dolby Atmos

Spatial Audio playback

User-configurable maximum volume limit

Video Playback

Supported formats include HEVC, H.264, AV1, and ProRes

HDR with Dolby Vision, HDR10+/HDR10, and HLG

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

Video mirroring and video out support: Up to 4K HDR through native DisplayPort output over USB-C or USB-C Digital AV Adapter (model A2119; adapter sold separately)¹³

Siri¹⁴

Get help with everyday tasks like sending messages, setting reminders, and more

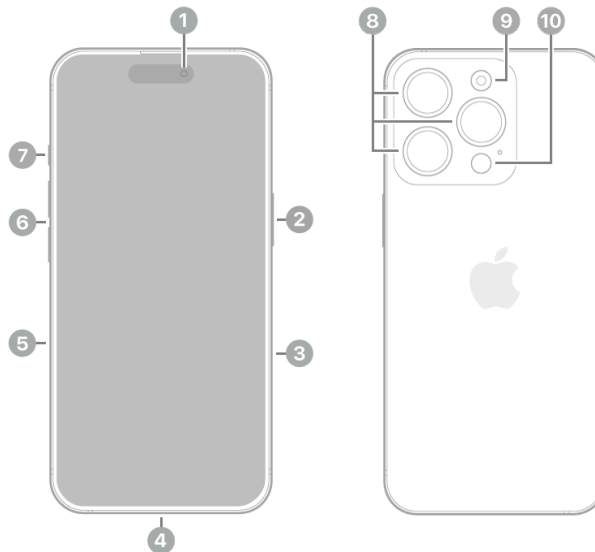
Activate hands-free with only your voice using "Siri" or "Hey Siri," or use type to Siri

Protected by the strongest privacy of any intelligent assistant

Powered by Apple Intelligence, Siri is more natural and helpful⁴

[Learn more about Siri](#)

External Buttons and Connectors



1. Front camera
2. Side button
3. Camera Control
4. USB-C connector
5. SIM tray (available on models purchased outside the U.S.)
6. Volume buttons
7. Action button
8. Rear cameras
9. Flash
10. LiDAR Scanner

Action button features

Silent Mode, Focus, Camera, Visual Intelligence¹⁵, Flashlight, Voice Memo, Recognize Music, Translate, Magnifier, Controls, Shortcut, or Accessibility

Camera controls

Exposure, Depth, Zoom, Cameras, Styles, Tone

Charging and Expansion

USB-C connector with support for:

Charging
DisplayPort
USB 3 (up to 10Gb/s)¹⁶

Power and Battery¹⁷

Video playback: Up to 27 hours
Video playback (streamed): Up to 22 hours
Audio playback: Up to 85 hours
Built-in rechargeable lithium-ion battery

MagSafe wireless charging up to 25W with 30W adapter or higher¹⁸

Qi2 wireless charging up to 15W¹⁸

Qi wireless charging up to 7.5W¹⁸

Fast-charge capable: Up to 50% charge in around 30 minutes¹⁸ with [20W adapter](#) or higher (available separately) paired with USB-C charging cable, or [30W adapter](#) or higher paired with MagSafe Charger (both available separately)

MagSafe

Wireless charging up to 25W with 30W adapter or higher¹⁸

Magnet array

Alignment magnet

Accessory Identification NFC

Magnetometer

Sensors

Face ID

LiDAR Scanner

Barometer

High dynamic range gyro

High-g accelerometer

Proximity sensor

Dual ambient light sensors

Operating System

iOS

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

[See what’s new in iOS](#)

[iPhone User Guide](#)

Accessibility

Built-in accessibility features supporting vision, mobility, hearing, speech, and cognitive needs help you get the most out of your iPhone — in the ways that work best for you.

[Learn more about Accessibility](#)

Features include:

- | | |
|---------------|---------------------|
| VoiceOver | Switch Control |
| Zoom | AssistiveTouch |
| Magnifier | Eye Tracking |
| Voice Control | RTT and TTY support |

Closed Captions	Live Speech	Spoken Content
Live Captions	Type to Siri	
Personal Voice	Vocal Shortcuts	

Built-in Apps

Apple Store	Health	Passwords
App Store	Home	Phone
Books	iMovie	Photos
Calculator	iTunes Store	Podcasts
Calendar	Journal	Reminders
Camera	Keynote	Safari
Clips	Magnifier	Settings
Clock	Mail	Shortcuts
Compass	Maps	Stocks
Contacts	Measure	Tips
FaceTime	Messages	Translate
Files	Music	TV
Find My	News	Voice Memos
Fitness	Notes	Wallet
Freeform	Numbers	Watch
GarageBand	Pages	Weather

For a complete list of Apple apps available on iPhone, see apple.com/apps.

SIM Card

Dual eSIM (two active eSIMs; stores eight or more eSIMs)¹⁹

iPhone 16 Pro and iPhone 16 Pro Max use advanced eSIM technology for more convenience and security (Not compatible with physical SIM cards).

- [Learn more about eSIM](#)
- [Learn more about traveling with eSIM](#)

Rating for Hearing Aids

Hearing Aid Compatible

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 Account (required for some features)

Internet access²⁰

Syncing to a Mac or PC requires:

macOS Catalina 10.15 or later using the Finder

macOS High Sierra 10.13 through macOS Mojave 10.14.6
using iTunes 12.8 or later

Windows 10 or later using iTunes 12.12.10 or later (free
download from apple.com/itunes/download)

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, Spain), Arabic, Bulgarian, Catalan, Croatian, Czech, Danish, Dutch, Finnish, Greek, Hebrew, Hindi, Hungarian, Indonesian, Kazakh, Malay, Norwegian, Polish, Portuguese (Brazil, Portugal), Romanian, Russian, Slovak, Swedish, Thai, Turkish, Ukrainian, Vietnamese

QuickType keyboard support

English (Australia, Canada, India, Japan, New Zealand, Singapore, South Africa, 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), Ainu, Albanian, Amharic, Apache (Western), Arabic, Arabic (Najdi), Armenian, Assamese, Assyrian, Azerbaijani, Bangla (Alphabetic, InScript, Transliteration), Belarusian, Bodo, Bulgarian, Burmese, Cantonese – Traditional (Cangjie, Handwriting, Phonetic, Stroke, Sucheng), Catalan, Cherokee, Croatian, Czech, Danish, Dhivehi, Dogri, Dutch, Dzongkha, Emoji, Estonian, Faroese, Filipino, Finnish, Flemish, Fula (Adlam), Georgian, Greek, Hawaiian, Hebrew, Hindi (Alphabetic, InScript, Transliteration), Hungarian, Icelandic, Igbo, Indonesian, Irish Gaelic, Kashmiri (Arabic, Devanagari), Kazakh, Khmer, Konkani (Devanagari), Kurdish (Arabic, Latin), Kyrgyz, Lao, Latvian, Lithuanian, Macedonian, Maithili, Malay (Arabic, Latin), Maltese, Manipuri (Bengali, Meetei Mayek), Māori, Mongolian, Navajo, Nepali, Norwegian (Bokmål, Nynorsk), Odia (Alphabetic, InScript), Pashto, Persian, Persian (Afghanistan), Polish, Portuguese (Brazil, Portugal), Punjabi (Alphabetic, InScript, QWERTY,

Transliteration), Rohingya, Romanian, Russian, Samoan, Sanskrit, Santali (Devanagari, Ol Chiki), Serbian (Cyrillic, Latin), Sindhi (Arabic, Devanagari), Sinhala, Slovak, Slovenian, Swahili, Swedish, Tajik, Tamil (Anjal, Tamil 99, Transliteration), Telugu (Alphabetic, InScript, QWERTY, Transliteration), Thai, Tibetan, Tongan, Turkish, Turkmen, Ukrainian, Uyghur, Uzbek (Arabic, Cyrillic, Latin), Vietnamese (Telex, VIQR, VNI), Welsh, Yiddish, Akan, Chickasaw, Choctaw, Chuvash, Gujarati (Alphabetic, InScript, Transliteration), Hausa, Hmong (Pahawh), Ingush, Kabyle, Kannada (InScript, QWERTY, Transliteration), Liangshan Yi, Malayalam (Alphabetic, InScript, Transliteration), Mandaic, Marathi (InScript, QWERTY, Transliteration), Mi'kmaw, N'Ko, Osage, Rejang, Tamazight (Standard Moroccan), Wancho, Wolastoqey, Yoruba, Inari Sámi, Kildin Sámi, Lule Sámi, Lushootseed, Mvskoke, North Sámi, Pite Sámi, Skolt Sámi, South Sámi, Ume Sámi, Urdu (Alphabetic, QWERTY, Transliteration)

QuickType keyboard support with autocorrection

Arabic, Arabic (Najdi), Bangla (Alphabetic, InScript, Transliteration), Bulgarian, Catalan, Cherokee, Chinese – Simplified (Pinyin QWERTY), Chinese – Traditional (Pinyin QWERTY), Chinese – Traditional (Standard, Zhuyin-Grid), Croatian, Czech, Danish, Dutch, English (Australia, Canada, India, Japan, New Zealand, Singapore, South Africa, UK, U.S.), Estonian, Filipino, Finnish, Dutch (Belgium), French (Belgium), French (Canada), French (France), French (Switzerland), German (Austria), German (Germany), German (Switzerland), Greek, Gujarati (Alphabetic, InScript, Transliteration), Hawaiian, Hebrew, Hindi (Alphabetic, InScript, Transliteration), Hungarian, Icelandic, Indonesian, Irish Gaelic, Italian, Japanese (Kana), Japanese (Romaji), Korean (2-Set, 10-Key), Latvian, Lithuanian, Macedonian, Malay, Marathi (Alphabetic, InScript, Transliteration), Norwegian (Bokmål), Norwegian (Nynorsk), Persian, Persian (Afghanistan), Polish, Portuguese (Brazil), Portuguese (Portugal), Punjabi (Alphabetic, InScript, QWERTY, Transliteration), Romanian, Russian, Serbian (Cyrillic), Serbian (Latin), Slovak, Slovenian, Spanish (Latin America), Spanish (Mexico), Spanish (Spain), Swedish, Tamil (Alphabetic, Anjal, Tamil 99, Transliteration), Telugu, Thai, Turkish, Ukrainian, Urdu (Alphabetic, QWERTY, Transliteration), Vietnamese (Telex)

QuickType keyboard support with predictive typing

English (Australia, Canada, India, Japan, Singapore, South Africa, UK, U.S.), Chinese (Simplified, Traditional), French (Belgium, Canada, France, Switzerland), German (Austria, Germany, Switzerland), Italian, Japanese, Korean, Spanish (Latin America, Mexico, Spain), Arabic, Arabic (Najdi), Cantonese (Traditional), Dutch (Belgium, Netherlands), Hindi, Portuguese (Brazil, Portugal),

Russian, Swedish, Thai, Turkish, Vietnamese, Hebrew, Polish, Romanian, Bangla, Czech, Danish, Gujarati, Greek, Icelandic, Indonesian, Lithuanian, Marathi, Norwegian (Bokmål, Nynorsk), Punjabi, Slovenian, Tamil, Telugu

QuickType keyboard support with multilingual typing

English (Australia, Canada, India, Japan, New Zealand, Singapore, South Africa, UK, U.S.), Chinese – Simplified (Pinyin), Chinese – Traditional (Pinyin), French (France), French (Belgium), French (Canada), French (Switzerland), German (Germany), German (Austria), German (Switzerland), Italian, Japanese (Romaji), Portuguese (Brazil), Portuguese (Portugal), Spanish (Spain), Spanish (Latin America), Spanish (Mexico), Dutch (Belgium), Dutch (Netherlands), Hindi (Latin), Vietnamese, Polish, Romanian, Turkish

QuickType keyboard support with contextual suggestions

English (Australia, Canada, India, Japan, New Zealand, Singapore, South Africa, UK, U.S.), Chinese (Simplified), French (Belgium), French (Canada), French (France), French (Switzerland), German (Austria), German (Germany), German (Switzerland), Italian, Spanish (Latin America), Spanish (Mexico), Spanish (Spain), Arabic, Arabic (Najdi), Dutch (Belgium), Dutch (Netherlands), Hindi (Devanagari), Hindi (Latin), Russian, Swedish, Portuguese (Brazil), Turkish, Vietnamese

QuickType keyboard support with QuickPath

English (Australia, Canada, India, Japan, New Zealand, Singapore, South Africa, UK, U.S.), Chinese (Simplified Pinyin QWERTY), Chinese (Traditional Pinyin QWERTY), French (Canada), French (France), French (Switzerland), German (Austria), German (Germany), German (Switzerland), Italian, Spanish (Latin America), Spanish (Mexico), Spanish (Spain), Portuguese (Brazil), Portuguese (Portugal), Dutch (Belgium), Dutch (Netherlands), Swedish, Vietnamese, Arabic, Hebrew, Korean, Polish, Romanian

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 (Japan), Korean (Republic of Korea), Mandarin Chinese (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 (Türkiye), Vietnamese (Vietnam)

Dictation languages

English (Australia, Canada, India, Ireland, Malaysia, New Zealand, Philippines, Saudi Arabia, Singapore, South Africa, United Arab Emirates, UK, U.S.), Cantonese (China mainland, Hong Kong), Mandarin Chinese (China mainland, Taiwan), French (Belgium, Canada, France, Luxembourg, Switzerland), German (Austria, Germany, Switzerland), Italian (Italy, Switzerland), Japanese, Korean, Spanish (Chile, Colombia, Mexico, Spain, U.S.), Portuguese (Brazil, Portugal), Arabic (Kuwait, Qatar, Saudi Arabia, United Arab Emirates), Catalan, Croatian, Czech, Danish, Dutch (Belgium, Netherlands), Finnish, Greek, Hebrew, Hindi, Hungarian, Indonesian, Malay, Norwegian (Bokmål), Polish, Romanian, Russian, Shanghainese (China mainland), Slovak, Swedish, Thai, Turkish, Ukrainian, Vietnamese

Monolingual dictionary support

English (UK, U.S.), Chinese (Simplified, Traditional, Traditional – Hong Kong), Danish, Dutch, French, German, Hebrew, Hindi, Italian, Japanese, Korean, Norwegian, Portuguese, Russian, Spanish, Swedish, Thai, Turkish, Bulgarian, Catalan, Greek, Malay, Polish, Punjabi, Romanian

Idiom dictionary support

Simplified Chinese, Traditional Chinese – English, Cantonese – English

Bilingual dictionary support

Arabic – English, Bangla – English, Cantonese (Traditional) – English, Chinese (Simplified) – English, Chinese (Simplified) – Japanese, Croatian – English, Czech – English, Danish – English, Dutch – English, Finnish – English, French – English, French – German, German – English, Greek – English, Gujarati – English, Hindi – English, Hungarian – English, Indonesian – English, Italian – English, Japanese – English, Kannada – English, Kazakh – English, Korean – English, Malay – English, Malayalam – English, Norwegian – English, Polish – English, Portuguese – English, Punjabi – English, Russian – English, Slovak – English, Spanish – English, Swedish – English, Tamil – English, Telugu – English, Thai – English, Turkish – English, Ukrainian – English, Urdu – English, Vietnamese – English

Thesaurus

English (UK, U.S.), Chinese (Simplified)

Spell check

English (Australia, Canada, India, Japan, New Zealand, Singapore, South Africa, UK, U.S.), French (Belgium, Canada, France, Switzerland), German (Austria, Germany, Switzerland), Italian, Spanish (Latin America, Mexico, Spain), Arabic, Arabic (Najdi), Bulgarian, Czech, Danish, Dutch (Netherlands, Belgium), Finnish, Greek, Hindi (Devanagari), Hungarian, Irish Gaelic, Norwegian (Bokmål, Nynorsk), Polish, Portuguese (Brazil, Portugal), Punjabi, Romanian, Russian, Swedish, Telugu, Turkish, Vietnamese

Apple Pay supported regions

Argentina, Armenia, Australia, Austria, Azerbaijan, Bahrain, Belarus, Belgium, Brazil, Bulgaria, Canada, Chile, China mainland,²¹ Colombia, Costa Rica, Croatia, Cyprus, Czech Republic, Denmark, El Salvador, Estonia, Faroe Islands, Finland, France, Georgia, Germany, Greece, Greenland, Guatemala, Guernsey, Honduras, Hong Kong, Hungary, Iceland, Ireland, Isle of Man, Israel, Italy, Japan, Jersey, Jordan, Kazakhstan, Kuwait, Latvia, Liechtenstein, Lithuania, Luxembourg, Macao, Malaysia, Malta, Mexico, Moldova, Monaco, Montenegro, Morocco, Netherlands, New Zealand, Norway, Palestine, Panama, Peru, Poland, Portugal, Qatar, Romania, San Marino, Saudi Arabia, Serbia, Singapore, Slovakia, Slovenia, South Africa, South Korea, Spain, Sweden, Switzerland, Taiwan, UK, Ukraine, United Arab Emirates, U.S., Vatican City, Vietnam

In the Box

iPhone 16 Pro

USB-C Charge Cable (1 m)

Documentation

As part of our efforts to reach [carbon neutrality by 2030](#), iPhone 16 Pro and iPhone 16 Pro Max do not include a power adapter or EarPods. Included in the box is a USB-C Charge Cable that supports fast charging and is compatible with USB-C power adapters and computer ports.

We encourage you to use any compatible USB-C power adapter. If you need a new Apple power adapter or headphones, they are available for purchase.

iPhone and the Environment

iPhone 16 Pro and iPhone 16 Pro Max are designed to reduce environmental impact:²¹

[See the iPhone 16 Pro and iPhone 16 Pro Max Product Environmental Report \(PDF\).](#)

Progress toward Apple 2030

More than 25% recycled content²²

30% emissions reductions against business-as-usual scenario as modeled by Apple²³

[See Apple's commitment](#)

Materials

100% recycled aluminum in the internal structural frame and thermal substructure

100% recycled cobalt in the battery²⁴

Over 95% recycled lithium in the battery — a first for Apple²⁴

100% recycled gold wire in all cameras and Camera Control

100% recycled gold in the plating of multiple printed circuit boards, the USB-C connector, and multiple small parts

100% recycled copper in multiple printed circuit boards, and 100% recycled copper foil and wire in the inductive charger

100% recycled tin in the solder of multiple printed circuit boards

100% recycled tungsten and copper wire in the Taptic Engine

100% recycled rare earth elements in all magnets

80% recycled steel in multiple components including the Taptic Engine, speaker, multiple small parts, and the display support plate

At least 50% recycled plastic in 14 components

100% fiber-based packaging²⁵

66% recycled content in fiber packaging

Energy

30% of manufacturing electricity for iPhone 16 Pro and iPhone 16 Pro Max is sourced from renewable electricity²⁶

Exceeds U.S. Department of Energy requirements for battery charger systems²⁷

Waste

No established final assembly sites generate waste sent to landfill as part of Apple's Zero Waste Program

Smarter chemistry²⁸

Arsenic-free glass

Mercury-, BFR-, and PVC-free

* To identify your iPhone model number, see support.apple.com/kb/HT3939. For details on 5G and LTE support, contact your carrier and see apple.com/iphone/cellular. Cellular technology support is based on iPhone model number and configuration for GSM networks.

1. Available space is less and varies due to many factors. A standard configuration uses approximately 12GB to 24GB of space, including iOS 18 with its latest features and Apple apps that can be deleted. Apple Intelligence on-device models can be deleted if Apple Intelligence is turned off and use approximately 7GB of space. Turning on Apple Intelligence will download the models again. Apple apps that can be deleted use about 4.5GB of space, and you can download them back from the App Store. Storage capacity subject to change based on software version, settings, and iPhone model.

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

3. iPhone 16 Pro and iPhone 16 Pro Max are splash, water, and dust resistant and were tested under controlled laboratory conditions with a rating of IP68 under IEC standard 60529 (maximum depth of 6 meters up to 30 minutes). Splash, water, and dust resistance are not permanent conditions. 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. Apple Intelligence is available in beta on all iPhone 16 models, iPhone 15 Pro, iPhone 15 Pro Max, with Siri and device language set to the same supported language, as part of an iOS 18 software update. Supported languages include English, French, German, Italian, Portuguese (Brazil), Spanish, Japanese, Korean, and Chinese (Simplified). More languages are coming over the course of the year, including Vietnamese. Some features may not be available in all regions or languages.
5. Apple Cash services are provided by Green Dot Bank, Member FDIC. Apple Payments Services LLC, a subsidiary of Apple Inc., is a service provider of Green Dot Bank for Apple Cash accounts. Neither Apple Inc. nor Apple Payments Services LLC is a bank. Learn more about the [Terms and Conditions](#). Only available in the U.S. on eligible devices. To send and receive money with an Apple Cash account, you must be 18 and a U.S. resident. If you're under 18, your family organizer can set up Apple Cash for you as part of their Apple Cash Family account, but you may not be able to access features that require a supported payment card. Security checks may require more time to make funds available. Apple Cash Family accounts can only send or receive up to \$2000 within a rolling seven-day period. Tap to Cash transactions can only be used to send or receive up to \$2000 within a rolling seven-day period. Other limits apply, see [Terms and Conditions](#) for details. To access and use all Apple Cash features, you must have an eligible device with Wallet that has the latest version of iOS.
6. Available only in select cities and transit systems. Requires eligible device and OS version. [See here for details](#).
7. Roadside Assistance, Emergency SOS, and Messages via satellite are included for free for two years with the activation of any iPhone 14 or later model. Connection and response times vary based on location, site conditions, and other factors. Messages via satellite requires a carrier plan. SMS messaging via satellite is available on supported carriers. SMS message rates may apply. See support.apple.com/kb/HT213885 for more information.
8. iPhone 16 and iPhone 16 Pro can detect a severe car crash and call for help. Requires a cellular connection or Wi-Fi calling.
9. Data plan required. 5G, Gigabit 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 5G and LTE support, contact your carrier and see apple.com/iphone/cellular.
10. Wi-Fi 7 available in countries and regions where supported.
11. Ultra Wideband availability varies by region.
12. 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.
13. Standard dynamic range video content only.
14. 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.
15. Visual intelligence is available in iOS 18.2 or later on iPhone 16, iPhone 16 Plus, iPhone 16 Pro, and iPhone 16 Pro Max; iOS 18.3 or later on iPhone 16e; and iOS 18.4 or later on iPhone 15 Pro and iPhone 15 Pro Max. Apple Intelligence must be on to use visual intelligence.
16. USB 3 cable with 10Gb/s speed required.
17. 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. Battery life and charge cycles vary by use and settings. See apple.com/batteries and apple.com/iphone/battery.html for more information.
18. MagSafe wireless charging up to 25W with 30W adapter or higher. Testing conducted by Apple in August 2024 using preproduction iPhone 16 Pro and iPhone 16 Pro Max units and software, USB-C Charge Cable with Apple USB-C Power Adapter (20W Model A2305), and Apple MagSafe Chargers (1-meter Model A2580 and 2-meter Model A3250) with Apple USB-C Power Adapter (30W Model A2164). Fast-charge testing conducted with drained iPhone units. Times measured from the appearance of the Apple logo as the unit started up. Charge time varies with settings and environmental factors; actual results will vary. Wireless chargers sold separately.
19. iPhone 16 models are activated with an eSIM and do not support a physical SIM. Use of an eSIM requires a carrier that supports eSIM and a wireless service plan (which may include restrictions on switching service providers and roaming, even after contract expiration). See your carrier for details. To learn more, visit apple.com/esim.
20. Wireless broadband recommended; fees may apply.
21. In China mainland, you can use Apple Pay on the web in Safari only on compatible iPhone and iPad models using iOS 11.2 or later.

22. Data accurate as of product launch.
23. Product recycled or renewable content is the mass of certified recycled material relative to the overall mass of the device, not including packaging or in-box accessories.
24. Carbon reductions are calculated against a product-specific business-as-usual scenario as modeled by Apple: 1) No use of clean electricity for manufacturing or product use, beyond what is already available on the latest modeled grid (based on regional emissions factors). 2) Apple's carbon intensity of key materials as of 2015 (our baseline year for our 2030 product carbon neutrality goal). Carbon intensity of materials reflects use of recycled content and production technology. 3) Apple's average mix of transportation modes (air, rail, ocean, ground) by product line across three years (fiscal years 2017 to 2019) to best capture the baseline transportation emissions of our products.
25. Lithium and cobalt in the battery claims use mass balance allocation.
26. Based on retail packaging as shipped by Apple. Breakdown of U.S. retail packaging by weight. Adhesives, inks, and coatings are excluded from our calculations of plastic content and packaging weight.
27. We estimate the percentage of electricity-related emissions in our manufacturing that is sourced from low-carbon electricity by attributing to our carbon model low-carbon energy procured by our suppliers in the prior fiscal year, based on the supplier manufacturing allocations at time of product launch. This calculation assesses the suppliers for iPhone 16 Pro Max with 256GB. Included in this number is only low-carbon electricity that Apple or its suppliers have procured as part of Apple's Supplier Clean Energy Program.
28. Efficiency performance is based on the U.S. Department of Energy [Federal Energy Conservation Standards for Battery Chargers](#).
29. [Apple's Regulated Substances Specification](#) describes Apple's restrictions on the use of certain chemical substances in materials in Apple products, accessories, manufacturing processes, and packaging used for shipping products to Apple's end-customers. Restrictions are derived from international laws or directives, regulatory agencies, eco-label requirements, environmental standards, and Apple policies. Every Apple product is free of PVC and phthalates except for AC power cords in India, Thailand (for two-prong AC power cords), and South Korea, where we continue to seek government approval for our PVC and phthalates replacement. Apple products comply with the European Union Directive 2011/65/EU and its amendments, including exemptions for the use of lead such as high-temperature solder. Apple is working to phase out the use of these exempted substances for new products where technically possible.

Some features may not be available for all countries or all areas. [View complete list](#).

Apple Pay is a service provided by Apple Payments Services LLC, a subsidiary of Apple Inc. Neither Apple Inc. nor Apple Payments Services LLC is a bank. Any card used in Apple Pay is offered by the card issuer.

Helpful?

Yes

No

Support

iPhone 16 Pro - Tech Specs