



iPhone 17 Pro Max - Tech Specs

Year introduced: 2025

Finish

Silver

Cosmic Orange

Deep Blue

Aluminium unibody design, Ceramic Shield 2 front, Ceramic Shield back

Capacity¹

256GB

512GB

1TB

2TB

Size and Weight²

Width: 78 mm (3.07 inches)

Height: 163.4 mm (6.43 inches)

Depth: 8.75 mm (0.34 inches)

Weight: 231 grams (8.15 ounces)

Display

Super Retina XDR display

6.9-inch (diagonal) all-screen OLED display

2868x1320-pixel resolution at 460 ppi

Dynamic Island

Always-On display

ProMotion technology with adaptive refresh rates up to 120Hz

HDR display

True Tone

Wide colour (P3)

Haptic Touch

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

1,000 nits max brightness (typical); 1,600 nits peak brightness (HDR); 3,000 nits peak brightness (outdoor); 1 nit minimum brightness

Fingerprint-resistant oleophobic coating

Anti-reflective coating

Support for display of multiple languages and characters simultaneously

The iPhone 17 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 6.86 inches diagonally (actual viewable area is less).

Splash, Water and Dust Resistant³

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

Apple Intelligence

Apple Intelligence is integrated across your apps and experiences to help you communicate, 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

A19 Pro chip

6-core CPU with 2 performance and 4 efficiency cores

6-core GPU with Neural Accelerators

16-core Neural Engine

Hardware-accelerated ray tracing

Camera

48MP Pro Fusion camera system

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

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

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

48MP Fusion Telephoto: 100mm (4x), $f/2.8$ aperture, Hybrid Focus Pixels, 3D sensor-shift optical image stabilisation and autofocus, tetraprism design

Also enables 12MP optical-quality 8x Telephoto: 200mm, $f/2.8$ aperture, Hybrid Focus Pixels, 3D sensor-shift optical image stabilisation and autofocus, tetraprism design

8x optical-quality zoom in, 2x optical zoom out; 16x optical-quality zoom range

Digital zoom up to 40x

Customisable default lens (Fusion Main)

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

Panorama (up to 63MP)

Latest-generation Photographic Styles

Spatial photos

48MP macro photography

ProRAW

Wide colour capture for photos and Live Photos

Lens correction (Fusion Ultra Wide)

Advanced red-eye correction

Auto image stabilisation

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 Main) or 120 fps (Fusion Main)

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

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

ProRes RAW⁵

Academy Color Encoding System

Apple Log 2

Genlock support⁶

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 Main)

Dual Capture up to 4K Dolby Vision at 30 fps

Time-lapse video with stabilisation

Night mode Time-lapse

QuickTake video up to 4K Dolby Vision at 60 fps

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

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

Digital zoom up to 15x

Audio zoom

True Tone flash

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

Continuous autofocus video

Take 8MP still photos while recording 4K video

Playback zoom

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

Spatial Audio and stereo recording

Four studio-quality mics

Wind noise reduction

Audio Mix

Front Camera

18MP Center Stage camera

$f/1.9$ aperture

Autofocus with Focus Pixels

Retina Flash

Tap to zoom and rotate

Centre Stage for photos

Ultra-stabilised video

Dual Capture

Centre Stage for video calls

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

ProRAW

Wide colour capture for photos and Live Photos

Lens correction

Auto image stabilisation

Burst mode

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

1080p Dolby Vision video recording at 25 fps, 30 fps or 60 fps

Cinematic mode up to 4K Dolby Vision at 30 fps

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

ProRes RAW⁵

Academy Color Encoding System

Apple Log 2

Slo-mo video support for 1080p at 120 fps

Time-lapse video with stabilisation

Night mode Time-lapse

QuickTake video up to 4K Dolby Vision at 60 fps
Cinematic video stabilisation (4K, 1080p and 720p)
Spatial Audio and stereo recording
Wind noise reduction
Audio Mix

Power and Battery⁷

Video playback: Up to 37 hours

Video playback (streamed): Up to 33 hours

Built-in rechargeable lithium-ion battery

Fast-charge capable:

Up to 50% charge in 20 minutes⁸ with 40W adapter or higher (available separately) paired with USB-C charging cable

Up to 50% charge in 30 minutes⁸ with [30W adapter](#) or higher paired with MagSafe Charger (both available separately)

Face ID

Enabled by TrueDepth technology in the Center Stage front camera

Peace of Mind

Emergency SOS via satellite⁹

Crash Detection¹⁰

Roadside Assistance via satellite⁹

Mobile and Wireless

Models A3523 and A3526*

FDD-5G NR (Bands n1, n2, n3, n5, n7, n8, n12, n20, n25, n26, n28, n30, n66, n70, n75)

TDD-5G NR (Bands n38, n40, n41, n48, n53, n77, n78, n79)

FDD-LTE (Bands 1, 2, 3, 4, 5, 7, 8, 12, 13, 17, 18, 19, 20, 25, 26, 28, 30, 32, 66)

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)

5G (sub-6GHz) with 4x4 MIMO¹¹

Gigabit LTE with 4x4 MIMO¹¹

Apple N1 wireless networking chip

Wi-Fi 7 (802.11be) with 2x2 MIMO¹²

Bluetooth 6

Thread networking technology

Apple second-generation Ultra Wideband chip¹³

NFC with reader mode

Express Cards with Power Reserve

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

Location

Precision dual-frequency GPS (GPS, GLONASS, Galileo, QZSS, BeiDou and NavIC)

Digital compass

Wi-Fi

Mobile Data

iBeacon micro-location

External Buttons and Connectors

Volume up/down

Action button

Camera Control

Side button

USB-C connector

Built-in microphones

Built-in stereo speaker

Action button features

Silent mode, Focus, Camera, Visual Intelligence,¹⁴ Torch, Voice Memo, Recognise 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)¹⁵

MagSafe and Wireless Charging

MagSafe wireless charging up to 25W⁸

Qi2 wireless charging up to 25W⁸

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

SIM Card

Dual SIM (nano-SIM and eSIM)¹⁶

Dual eSIM support¹⁶

[Learn more about eSIM](#)

[Learn more about travelling with eSIM](#)

Apple Pay

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

Complete purchases made with Apple Pay on your Mac
Pay for your journey using Express Travel¹⁷

[Learn more about Apple Pay.](#)

Video Calling¹⁸

FaceTime video calling over Wi-Fi or a mobile network

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

Centre Stage

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 Calling¹⁸

FaceTime audio

Voice over LTE (VoLTE)¹¹

Wi-Fi calling¹¹

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)¹⁹

Siri²⁰

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](#)

Operating System

iOS

Our most personal and secure mobile operating system yet, iOS is packed with powerful features and designed to protect your privacy.

Privacy

iPhone is built from the ground up to protect your personal information. Every iPhone has secure facial authentication. Apps need your permission to track your activity across other companies' apps or websites. Your iMessages and FaceTime video calls are encrypted end-to-end. And much more.

[Learn more about privacy features](#)

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
Zoom
Magnifier
Voice Control
Switch Control
AssistiveTouch
Eye Tracking
RTT and Textphone support
Closed Captions
Personal Voice
Live Speech
Type to Siri
Vocal Shortcuts
Spoken Content

Built-in Apps

Apple Store
App Store
Books
Calculator
Calendar
Camera
Clips
Clock
Compass
Contacts
FaceTime
Files
Find My
Fitness
Freeform
GarageBand
Health
Home
iMovie
iTunes Store
Journal
Keynote
Magnifier
Mail
Maps
Measure
Messages

Music
News
Notes
Numbers
Pages
Passwords
Phone
Photos
Podcasts
Reminders
Safari
Settings
Shortcuts
Stocks
Tips
Translate
TV
Voice Memos
Wallet
Watch
Weather

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

Rating for Hearing Aids

Hearing Aid Compatible

System Requirements

Apple Account (required for some features)

Internet access²¹

Syncing to a Mac or PC requires:

macOS Catalina 10.15 or later using the Finder

macOS High Sierra 10.13 to 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/uk/itunes/download)

Environmental Requirements

Ambient operating temperature: 0° to 35° C (32° to 95° F)

Non-operating temperature: –20° to 45° C (–4° to 113° F)

Relative humidity: 5% to 95% non-condensing

Operating altitude: tested up to 3,000 metres (10,000 feet)

Languages

Language support

English (Australia, UK, US), 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

[Learn more about feature availability.](#)

In the Box

iPhone 17 Pro Max

USB-C Charge Cable (1m)

Documentation

As part of our efforts to reach [carbon neutrality by 2030](#), iPhone 17 Pro and iPhone 17 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 17 Pro and iPhone 17 Pro Max are designed to reduce environmental impact:²²

[See the iPhone 17 Pro and iPhone 17 Pro Max Product Environmental Report \(PDF\)](#).

Progress towards Apple 2030

Apple 2030 is our commitment to be carbon neutral for our entire carbon footprint. Our plan to decarbonise products is rigorous and focuses on transitioning to low-carbon electricity, designing with recycled and low-carbon materials, and prioritising lower-carbon ways of shipping products, like sea freight.

[See Apple's commitment](#)

Materials

iPhone 17 Pro and iPhone 17 Pro Max are made with 30% recycled content,²³ including:

50% recycled aluminium in the enclosure

100% recycled cobalt and 95% recycled lithium in the battery

100% recycled gold plating and tin solder in all Apple-designed printed circuit boards

100% recycled gold wire in all cameras and gold plating in all connectors

100% recycled tungsten and copper wire in the Taptic Engine

100% recycled copper in the vapour chamber enclosure

100% rare earth elements in all magnets

Energy

40% of manufacturing electricity for iPhone 17 Pro and iPhone 17 Pro Max is sourced from renewable electricity²⁴

Exceeds US Department of Energy requirements for battery charger systems²⁵

Packaging

100% fibre-based packaging²⁶

iPhone 17 Pro and iPhone 17 Pro Max packaging is designed to be more efficient than iPhone 16 Pro boxes, increasing the number of devices shipped per trip by 25²⁷

Waste

No established final assembly sites generate waste sent to landfill as part of Apple's Zero Waste Programme²⁸

Smarter chemistry²⁹

All the materials used in Apple products, accessories and packaging are covered by the requirements of our [Regulated Substances Specification](#), which was one of the first in industry to restrict the use of key substances of concern. See the latest [Environmental Progress Report](#) to understand Apple's recent efforts in phasing out these chemistries.

*To identify your iPhone model number, see [support.apple.com/en-gb/HT3939](#). For details on 5G and LTE support, contact your provider and see [apple.com/uk/iphone/cellular](#). Mobile data 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 26 with its latest features and Apple apps that can be deleted. Apple Intelligence on-device models use approximately 7GB of space and can be deleted if Apple Intelligence is turned off. Turning on Apple Intelligence will download the models again. Apple apps that can be deleted use about 4.5GB of space, and you can re-download them 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 17 Pro and iPhone 17 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 metres 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. Some features may not be available in all regions or languages. For feature and language availability and system requirements, see support.apple.com/en-gb/121115.
5. Enabled by compatible apps.
6. Enabled by compatible third-party hardware and software.
7. 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/uk/batteries and apple.com/uk/iphone/battery.html for more information.
8. MagSafe wireless charging up to 25W with 30W power adapter or higher. Testing conducted by Apple in July 2025 using pre-production iPhone 17 Pro and iPhone 17 Pro Max units and software, USB-C Charge Cable with Apple 40W Dynamic Power Adapter with 60W Max (Model A3351), and Apple MagSafe Chargers (1-metre Model A3502 and 2-metre Model A3503) with Apple 30W USB-C Power Adapter (Model A2164) or Apple 40W Dynamic Power Adapter with 60W Max (Model A3351). 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 adapter, settings, usage and environmental factors; actual results will vary.
9. Roadside Assistance and Emergency SOS via satellite are included 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. See support.apple.com/en-gb/HT213885 for more information.
10. iPhone 17 Pro and iPhone 17 Pro Max can detect a serious car crash and call for help. Requires a mobile data connection or Wi-Fi calling.
11. Data plan required. 5G, Gigabit LTE, VoLTE and Wi-Fi calling are available in selected markets and through selected network providers. Speeds are based on theoretical throughput and vary based on site conditions and network. For details on 5G and LTE support, contact your provider and see apple.com/uk/iphone/cellular.
12. Wi-Fi 7 available in countries and regions where supported.
13. Ultra Wideband availability varies by region.
14. Visual intelligence is available on any Apple Intelligence-enabled iPhone. Some capabilities may not be available in all languages and regions. For more details, see support.apple.com/en-gb/121115#visual-intelligence.
15. USB 3 cable with 10Gb/s speed required.
16. Use of eSIM requires a wireless service plan (which may include restrictions on switching service providers and roaming, even after contract expires). Not all network providers support eSIM. Use of eSIM in iPhone may be disabled when purchased from some providers. See your provider for details. To learn more, visit apple.com/uk/esim.
17. Available only in selected cities and public transport systems. Requires eligible device and OS version. [See here for details](#).
18. FaceTime calling requires a FaceTime-enabled device for the caller and recipient and a Wi-Fi connection. Availability over a mobile network depends on provider policies; data charges may apply.
19. Standard dynamic range video content only.
20. Siri may not be available in all languages or in all areas, and features may vary by area. Internet access required. Mobile data charges may apply.
21. Wireless broadband recommended; fees may apply.
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. 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 17 Pro and iPhone 17 Pro Max. Included in this number is only low-carbon electricity that Apple or its suppliers have procured as part of Apple's Supplier Clean Energy Programme.
25. Efficiency performance is based on the US Department of Energy [Federal Energy Conservation Standards for Battery Chargers](#).
26. Based on retail packaging as shipped by Apple. Breakdown of US retail packaging by weight. Adhesives, inks and coatings are excluded from our calculations of plastic content and packaging weight.
27. Based on the number of 10-unit boxes that fit onto a pallet compared with iPhone 16 Pro. The following locations have different savings based on various pallet configurations: Andorra, Canada, Cyprus, Greece, Italy, Portugal, South Korea, Spain, Switzerland, US.
28. All established final assembly supplier sites — those that have been Apple suppliers for more than one year — for iPhone 17 and iPhone 17 Pro are third-party verified as Zero Waste by UL LLC (UL 2799 Standard). UL requires at least 90 per cent diversion through methods other than waste to energy to achieve Zero Waste to Landfill (Silver 90–94%, Gold 95–99% and Platinum 100%) designations.
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 leads in India, Thailand (for two-pin AC power leads) 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.

Features are subject to change. Some features, applications and services may not be available in all regions or all languages and may require specific hardware and software. For more information, see [Feature Availability](#).

Helpful?

Yes

No

Support

iPhone 17 Pro Max - Tech Specs

