

iPhone 12 Pro

iPhone 12 Pro

iPhone 12 Pro Max

Finish



Silver, Graphite, Gold, Pacific Blue

Ceramic Shield front
Textured matt glass back and
stainless steel design



Silver, Graphite, Gold, Pacific Blue

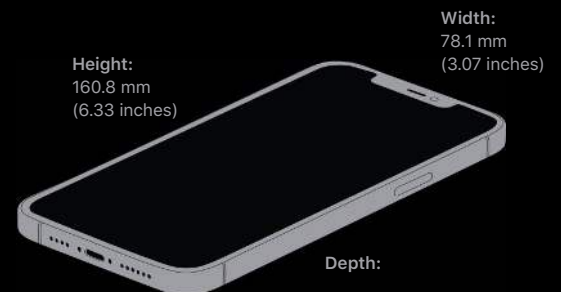
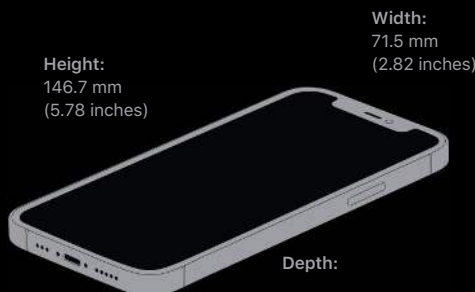
Ceramic Shield front
Textured matt glass back and
stainless steel design

Capacity¹

128GB
256GB
512GB

128GB
256GB
512GB

Size and Weight²



Weight: 187 grams (6.60 ounces)
(0.29 inches)

Weight: 226 grams (7.96 ounces)
(0.29 inches)

Display



6.1"

Super Retina XDR display

15.5 cm / 6.1-inch (diagonal) all-screen
OLED display

2532x1170-pixel resolution at 460 ppi

The iPhone 12 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 15.40 centimetres (6.06 inches) diagonally (actual viewable area is less).



6.7"

Super Retina XDR display

17 cm / 6.7-inch (diagonal) all-screen
OLED display

2778x1284-pixel resolution at 458 ppi

The iPhone 12 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 16.95 centimetres (6.68 inches) diagonally (actual viewable area is less).

Both models:

HDR display

True Tone

Wide colour (P3)

Haptic Touch

20,00,000:1 contrast ratio (typical)

800 nits max brightness (typical); 1,200 nits max brightness (HDR)

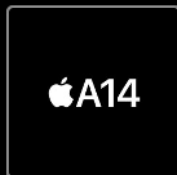
Fingerprint-resistant oleophobic coating

Support for display of multiple languages and characters simultaneously

Splash, Water and Dust Resistant³

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

Chip



A14 Bionic chip

Next-generation Neural Engine

Camera

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

Ultra Wide: $f/2.4$ aperture and 120° field of view

Wide: $f/1.6$ aperture

Telephoto: $f/2.0$ aperture (iPhone 12 Pro); $f/2.2$ aperture (iPhone 12 Pro Max)

2x optical zoom in, 2x optical zoom out; 4x optical zoom range (iPhone 12 Pro)

Digital zoom up to 10x (iPhone 12 Pro)

2.5x optical zoom in, 2x optical zoom out; 5x optical zoom range (iPhone 12 Pro Max)

Digital zoom up to 12x (iPhone 12 Pro Max)

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 stabilisation (Wide and Telephoto)

Sensor-shift optical image stabilisation (iPhone 12 Pro Max Wide)

Five-element lens (Ultra Wide); six-element lens (Telephoto); seven-element lens (Wide)

Brighter True Tone flash with Slow Sync

Panorama (up to 63MP)

Sapphire crystal lens cover

100% Focus Pixels (Wide)

Night mode (Ultra Wide, Wide)

Deep Fusion (Ultra Wide, Wide, Telephoto)

Smart HDR 3

Apple ProRAW

Wide colour capture for photos and Live Photos

Lens correction (Ultra Wide)

Advanced red-eye correction

Photo geotagging

Auto image stabilisation

Burst mode

Image formats captured: HEIF and JPEG

Video Recording

HDR video recording with Dolby Vision up to 60 fps

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
Sensor-shift optical image stabilisation for video (Wide)
Optical image stabilisation for video (Wide and Telephoto)
2x optical zoom in, 2x optical zoom out; 4x optical zoom range (iPhone 12 Pro)
Digital zoom up to 6x (iPhone 12 Pro)
2.5x optical zoom in, 2x optical zoom out; 5x optical zoom range (iPhone 12 Pro Max)
Digital zoom up to 7x (iPhone 12 Pro Max)
Audio zoom
Brighter True Tone flash
QuickTake video
Slow-motion video support for 1080p at 120 fps or 240 fps
Time-lapse video with stabilisation
Night mode Time-lapse
Extended dynamic range for video up to 60 fps
Cinematic video stabilisation (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

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 3
HDR video recording with Dolby Vision up to 30 fps
4K video recording at 24 fps, 30 fps or 60 fps
1080p HD video recording at 30 fps or 60 fps
Slow-motion video support for 1080p at 120 fps
Time-lapse video with stabilisation
Night mode Time-lapse
Extended dynamic range for video up to 30 fps
Cinematic video stabilisation (4K, 1080p and 720p)
QuickTake video
Wide colour capture for photos and Live Photos

Lens correction
 Retina Flash
 Auto image stabilisation
 Burst mode

Face ID

Enabled by TrueDepth camera for facial recognition

Cellular and Wireless

Model A2341*

5G NR (Bands n1, n2, n3, n5, n7, n8, n12, n20, n25, n28, n38, n40, n41, n66, n71, n77, n78, n79)
 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)
 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)

Model A2342*

5G NR (Bands n1, n2, n3, n5, n7, n8, n12, n20, n25, n28, n38, n40, n41, n66, n71, n77, n78, n79)
 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)
 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)

All models

5G (sub-6 GHz)⁶
 Wi-Fi 6 (802.11ax) with 2x2 MIMO
 Bluetooth 5.0 wireless technology
 Ultra Wideband chip for spatial awareness⁴
 NFC with reader mode
 Express Cards with power reserve

Location

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

iBeacon micro-location

Video Calling⁵

FaceTime video calling over cellular or Wi-Fi

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

Audio Calling⁵

FaceTime audio

Voice over LTE (VoLTE)⁶

Wi-Fi calling⁶

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

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)⁷

Siri⁸

Use your voice to send messages, set reminders and more

Get intelligent suggestions on your Lock Screen and in Messages, Mail, QuickType and more

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

Use your voice to run shortcuts from your favourite apps

[Learn more about Siri >](#)

External Buttons and Connectors



Power and Battery⁹

Video playback:
Up to 17 hours

Video playback (streamed):
Up to 11 hours

Audio playback:
Up to 65 hours

Both models:

Built-in rechargeable lithium-ion battery

MagSafe wireless charging up to 15W¹⁰

Qi wireless charging up to 7.5W¹⁰

Charging via USB to computer system or power adapter

Fast-charge capable:

Up to 50% charge in around 30 minutes¹¹ with 20W adapter or higher (sold separately)

Video playback:
Up to 20 hours

Video playback (streamed):
Up to 12 hours

Audio playback:
Up to 80 hours

MagSafe

Wireless charging up to 15W¹⁰

Magnet array

Alignment magnet

Accessory Identification NFC

Magnetometer

Sensors

Face ID

LiDAR Scanner

Barometer

Three-axis gyro

Accelerometer

Proximity sensor

Ambient light sensor

Operating System

iOS 14

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 14 >](#)

Accessibility

Accessibility features help people with disabilities get the most out of their new iPhone. With built-in support for vision, hearing, mobility and learning, you can fully enjoy the world's most personal device.

[Learn more >](#)

Features include:

- Voice Control
- VoiceOver
- Zoom
- Magnifier
- RTT and TTY support
- Siri and Dictation
- Type to Siri
- Switch Control
- Closed Captions
- AssistiveTouch
- Speak Screen
- Back Tap

Built-in Apps



Camera



Photos



Health



Messages



Phone



FaceTime



Mail



Music



Wallet



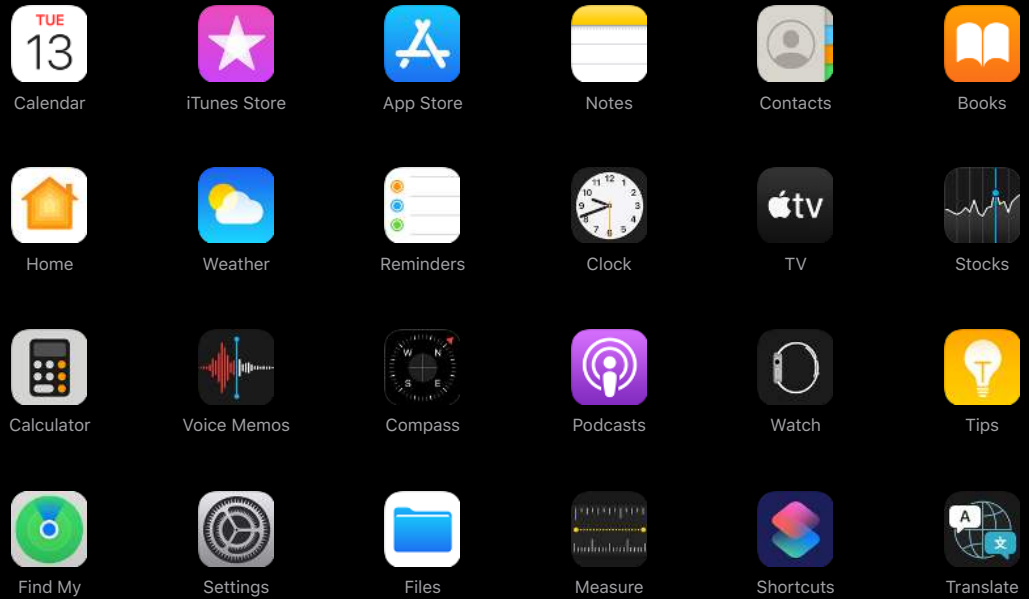
Safari



Maps

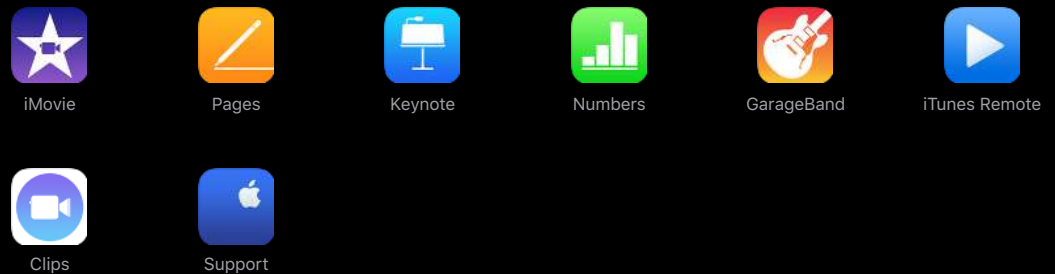


Siri



Free Apps from Apple

Pages, Numbers, Keynote, iMovie, GarageBand and Clips are pre-installed.



SIM Card

Dual SIM (nano-SIM and eSIM)¹²

iPhone 12 Pro and iPhone 12 Pro Max are not compatible with existing micro-SIM cards.

Rating for Hearing Aids

M3, T4

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 ID (required for some features)

Internet access¹³

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 (free download from apple.com/in/itunes/download)

Environmental Requirements

Operating ambient 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 m (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, 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, US), 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), Albanian, Arabic (Modern Standard, Najdi), Armenian, Assamese, Azerbaijani, Bangla, Belarusian, Bodo, Bulgarian, Burmese, Cantonese — Traditional (Cangjie, Handwriting, Stroke, Sucheng), Catalan, Cherokee, Croatian, Czech, Danish, Dhivehi, Dogri, Dutch, Emoji, Estonian, Faroese, Filipino, Finnish, Flemish, Georgian, Greek, Gujarati, Hawaiian, Hebrew, Hindi (Devanagari, Latin, Transliteration), Hungarian, Icelandic, Indonesian, Irish Gaelic, Kannada, Kashmiri (Arabic, Devanagari), Kazakh, Khmer, Konkani (Devanagari), Kurdish (Arabic, Latin), Kyrgyz, Lao, Latvian, Lithuanian, Macedonian, Maithili, Malay (Arabic, Latin), Malayalam, Maltese, Manipuri (Bangla, Meetei Mayek), Māori, Marathi, Mongolian, Nepali, Norwegian (Bokmål, Nynorsk), Odia, Pashto, Persian, Persian (Afghanistan), Polish, Portuguese (Brazil, Portugal), Punjabi, Romanian, Russian, Sanskrit, Santali (Devanagari, Ol Chiki), Serbian (Cyrillic, Latin), Sindhi (Arabic, Devanagari), Sinhala, Slovak, Slovenian, Swahili, Swedish, Tajik, Tamil (Anjal, Tamil 99), Telugu, Thai, Tibetan, Tongan, Turkish, Turkmen, Ukrainian, Urdu, Uyghur, Uzbek (Arabic, Cyrillic, Latin), Vietnamese, Welsh

QuickType keyboard support with autocorrection

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

QuickType keyboard support with predictive input

English (Australia, Canada, India, Singapore, UK, US), Chinese (Simplified, Traditional), French (Belgium, Canada, France, Switzerland), German (Austria, Germany, Switzerland), Italian, Japanese, Korean, Spanish (Latin America, Mexico, Spain), Arabic (Modern Standard, Najdi), Cantonese (Traditional), Dutch, Hindi (Devanagari, Latin), Portuguese (Brazil, Portugal), Russian, Swedish, Thai, Turkish, Vietnamese

QuickType keyboard support with multilingual input

English (US), English (Australia), English (Canada), English (India), English (Singapore), English (UK), 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)

QuickType keyboard support with contextual suggestions

English (US), English (Australia), English (Canada), English (India), English (Singapore), English (UK), 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 (Modern Standard), Arabic (Najdi), Dutch (Belgium), Dutch (Netherlands), Hindi (Devanagari), Hindi (Latin), Russian, Swedish, Portuguese (Brazil), Turkish, Vietnamese

Siri languages

English (Australia, Canada, India, Ireland, New Zealand, Singapore, South Africa, UK, US), Spanish (Chile, Mexico, Spain, US), French (Belgium, Canada, France, Switzerland), German (Austria, Germany, Switzerland), Italian (Italy, Switzerland), Japanese (Japan), Korean (South 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 (Turkey)

Dictation languages

English (Australia, Canada, India, Indonesia, Ireland, Malaysia, New Zealand, Philippines, Saudi Arabia, Singapore, South Africa, United Arab Emirates, UK, US), Spanish (Argentina, Chile, Colombia, Costa Rica, Dominican Republic, Ecuador, El Salvador, Guatemala, Honduras, Mexico, Panama, Paraguay, Peru, Spain, Uruguay, US), French (Belgium, Canada, France, Luxembourg, Switzerland), German (Austria, Germany, Luxembourg, Switzerland), Italian (Italy, Switzerland), Japanese, Korean, Mandarin (China mainland, Taiwan), Cantonese (China mainland, 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, Malay, Norwegian, Polish, Portuguese (Brazil, Portugal), Romanian, Russian, Shanghaiese (China mainland), Slovak, Swedish, Thai, Turkish, Ukrainian, Vietnamese

Definition dictionary support

English (UK, US), Chinese (Simplified, Traditional), Danish, Dutch, French, German, Hebrew, Hindi, Italian, Japanese, Korean, Norwegian, Portuguese, Russian, Spanish, Swedish, Thai, Turkish

Bilingual dictionary support

Arabic–English, Chinese (Simplified)–English, Chinese (Traditional)–English, Dutch–English, French–English, French–German, German–English, Hindi–English, Indonesian–English, Italian–English, Japanese–English, Japanese–Chinese (Simplified), Korean–English, Polish–English, Portuguese–English, Russian–English, Spanish–English, Thai–English, Vietnamese–English

Thesaurus

English (UK, US)

Spellcheck

English, French, German, Italian, Spanish, Arabic, Arabic Najdi, Danish, Dutch, Finnish, Korean, Norwegian, Polish, Portuguese, Russian, Swedish, Turkish

Apple Pay supported regions

Australia, Austria, Belarus, Belgium, Brazil, Bulgaria, Canada, China mainland,¹⁴ Croatia, Cyprus, Czech Republic, Denmark, Estonia, Faroe Islands, Finland, France, Georgia, Germany, Greece, Greenland, Guernsey, Hong Kong, Hungary, Iceland, Ireland, Isle of Man, Italy, Japan, Jersey, Kazakhstan, Latvia, Liechtenstein, Lithuania, Luxembourg, Macao, Malta, Montenegro, Netherlands, New Zealand, Norway, Poland, Portugal, Romania, Russia, San Marino, Saudi Arabia, Serbia, Singapore, Slovakia, Slovenia, Spain, Sweden, Switzerland, Taiwan, UK, Ukraine, United Arab Emirates, US, Vatican City

In the Box

iPhone with iOS 14

USB-C to Lightning Cable

Documentation





iPhone and the Environment

iPhone 12 Pro and iPhone 12 Pro Max are designed with the following features to reduce their environmental impact:¹⁵

[See the iPhone 12 Pro and iPhone 12 Pro Max Product Environmental Reports >](#)

Made with better materials

- 100% recycled tungsten in the Taptic Engine, representing 99% of the tungsten in the device
- 100% recycled rare earth elements in all magnets, representing 98% of the rare earth elements in the device
- 100% recycled tin in the solder of the main logic board
- 35% or more recycled plastic in multiple components

Energy efficient

- Meets US Department of Energy requirements for battery charger systems

Smarter chemistry¹⁶

- Arsenic-free display glass
- Mercury-free
- BFR-, PVC- and beryllium-free

Green manufacturing

- Apple's Zero Waste Programme helps suppliers eliminate waste sent to landfill
- All final assembly supplier sites are transitioning to 100% renewable energy for Apple production

Responsible packaging

- 100% of virgin wood fibre comes from responsibly managed forests
- Recyclable, majority-fibre packaging

Apple Trade In

Trade in your eligible smartphone for credit towards a new iPhone.¹⁷ If your device isn't eligible for credit, we'll help you recycle it for free.

[See how it works >](#)

Apple and the Environment

We're committed to making our products without taking from the earth, and to become carbon neutral across our entire business, including products, by 2030.

[See Apple's commitment >](#)