

iPhone 4 Technical Specifications

Size and weight¹

Height: **4.5 inches** (115.2 mm)

Width: **2.31 inches** (58.6 mm)

Depth: **0.37 inch** (9.3 mm)

Weight: **4.8 ounces** (137 grams)



Cellular and wireless

- GSM model: UMTS/HSDPA/HSUPA (850, 900, 1900, 2100 MHz); GSM/EDGE (850, 900, 1800, 1900 MHz)
- CDMA model: CDMA EV-DO Rev. A (800, 1900 MHz)
- 802.11b/g/n Wi-Fi (802.11n 2.4GHz only)
- Bluetooth 2.1 + EDR wireless technology

Location

- Assisted GPS
- Digital compass
- Wi-Fi
- Cellular

Capacity³

- 16GB or 32GB flash drive

Display

- Retina display
- 3.5-inch (diagonal) widescreen Multi-Touch display
- 960-by-640-pixel resolution at 326 ppi
- 800:1 contrast ratio (typical)
- 500 cd/m2 max brightness (typical)
- Fingerprint-resistant oleophobic coating on front and back
- Support for display of multiple languages and characters simultaneously



Audio playback

- Frequency response: 20Hz to 20,000Hz
- Audio formats supported: AAC (8 to 320 Kbps), Protected AAC (from iTunes Store), HE-AAC, MP3 (8 to 320 Kbps), MP3 VBR, Audible (formats 2, 3, 4, Audible Enhanced Audio, AAX, and AAX+), Apple Lossless, AIFF, and WAV
- User-configurable maximum volume limit

TV and video

Power and battery²

- Built-in rechargeable lithium-ion battery
- Charging via USB to computer system or power adapter
- Talk time:
Up to 7 hours on 3G
Up to 14 hours on 2G (GSM model only)
- Standby time: Up to 300 hours
- Internet use:
Up to 6 hours on 3G
Up to 10 hours on Wi-Fi
- Video playback: Up to 10 hours
- Audio playback: Up to 40 hours



Mac system requirements

- Mac computer with USB 2.0 port
- Mac OS X v10.5.8 or later
- iTunes 10.1 or later (free download from www.itunes.com/download)
- iTunes Store account
- Internet access

Windows system requirements

- PC with USB 2.0 port
- Windows 7; Windows Vista; or Windows XP Home or Professional with Service Pack 3 or later
- iTunes 10.1 or later (free download from www.itunes.com/download)
- iTunes Store account
- Internet access

Environmental requirements

- Operating temperature: 32° to 95° F (0° to 35° C)
- Nonoperating temperature: -4° to 113° F (-20° to 45° C)

- Video formats supported: H.264 video up to 720p, 30 frames per second, Main Profile level 3.1 with AAC-LC audio up to 160 Kbps, 48kHz, stereo audio in .m4v, .mp4, and .mov file formats; MPEG-4 video, up to 2.5 Mbps, 640 by 480 pixels, 30 frames per second, Simple Profile with AAC-LC audio up to 160 Kbps per channel, 48kHz, stereo audio in .m4v, .mp4, and .mov file formats; Motion JPEG (M-JPEG) up to 35 Mbps, 1280 by 720 pixels, 30 frames per second, audio in ulaw, PCM stereo audio in .avi file format
- Support for 1024 by 768 pixels with Dock Connector to VGA Adapter; 576p and 480p with Apple Component AV Cable; 576i and 480i with Apple Composite AV Cable (cables sold separately)



Up is available on iTunes. *Up* © Disney/Pixar.

Languages

- Language support for English (U.S.), English (UK), French (France), German, Traditional Chinese, Simplified Chinese, Dutch, Italian, Spanish, Portuguese (Brazil), Portuguese (Portugal), Danish, Swedish, Finnish, Norwegian, Korean, Japanese, Russian, Polish, Turkish, Ukrainian, Hungarian, Arabic, Thai, Czech, Greek, Hebrew, Indonesian, Malay, Romanian, Slovak, Croatian, Catalan, and Vietnamese
- Keyboard support for English (U.S.), English (UK), French (France), French (Canadian), French (Switzerland), German, Traditional Chinese (Handwriting, Pinyin, Zhuyin, Cangjie, Wubihua), Simplified Chinese (Handwriting, Pinyin, Wubihua), Dutch, Italian, Spanish, Portuguese (Brazil), Portuguese (Portugal), Danish, Swedish, Finnish, Norwegian, Korean, Japanese (Romaji, Ten Key), Japanese (Kana), Russian, Polish, Turkish, Ukrainian, Estonian, Hungarian, Icelandic, Lithuanian, Latvian, Flemish, Arabic, Thai, Czech, Greek, Hebrew, Indonesian, Malay, Romanian, Slovak, Croatian, Bulgarian, Serbian (Cyrillic/Latin), Catalan, Vietnamese, Tibetan,

- Relative humidity: 5% to 95% noncondensing
- Maximum operating altitude: 10,000 feet (3000 m)
- Dictionary support (enables predictive text and autocorrect) for English (U.S.), English (UK), French, German, Traditional Chinese, Simplified Chinese, Dutch, Italian, Spanish, Portuguese (Brazil), Portuguese (Portugal), Danish, Swedish, Finnish, Norwegian, Korean, Japanese (Romaji), Japanese (Kana), Russian, Polish, Turkish, Ukrainian, Hungarian, Lithuanian, Flemish, Arabic, Thai, Czech, Greek, Hebrew, Indonesian, Malaysian, Romanian, Slovak, Croatian, Catalan, Vietnamese, and Cherokee

Bumpers for iPhone 4

Dress up your iPhone 4 with a Bumper. Choose one of six colors — white, black, blue, green, orange, or pink — and slip it around the edge of your iPhone 4. With metal buttons for volume and power, two-tone colors, and a combination of rubber and molded plastic, Bumpers add a touch of style to any iPhone 4.



Accessories

Apple In-Ear Headphones with Remote and Mic

Engineered for extreme clarity and audio accuracy, these headphones let you hear musical details you've been missing.



Apple Earphones with Remote and Mic

These earbud headphones have convenient buttons that let you adjust volume and control music and video playback.



MobileMe Subscription

With a MobileMe subscription, your email, calendar, and contacts stay up to date on your iPhone and your computer — automatically. Lose your iPhone? MobileMe can help you find it and protect your privacy with Find My iPhone.

[Learn more about MobileMe](#)



Apple USB Power Adapter

Use this ultracompact USB-based adapter to charge your iPhone whenever it's not connected to a computer.

1. Actual size and weight vary by configuration and manufacturing process.
2. All battery claims depend on network configuration and many other factors; actual results will vary. Rechargeable batteries have need to be replaced by an Apple service provider. See www.apple.com/batteries for more information. For more details of iPhone use over 3G, Internet use over Wi-Fi, video playback, and audio playback, see www.apple.com/iphone/battery.html.
3. 1GB = 1 billion bytes; actual formatted capacity less.
4. Based on testing conducted by an independent laboratory following the ANSI standard C633.19, "American National Standard for Wireless Communications Devices and Hearing Aids."

iPhone Design

Discover how iPhone 4 is the most innovative iPhone yet.



Watch the iPhone 4 video.

Learn about all the amazing new features.



Apps for iPhone

Explore thousands of apps you do even more with iPhone.



Some features, applications, and services are not available in all areas. See your carrier for details. Application availability and price vary.