iPhone 4S Specifications

Size and Weight

- Height: 4.5 inches (115.2 mm)
- Width: 2.31 inches (58.6 mm)
- Depth: 0.37 inch (9.3 mm)
- Weight: 4.9 ounces (140 grams)

Cellular and Wireless

- World phone
- UMTS/HSDPA/HSUPA (850, 900, 1900, 2100 MHz);
- GSM/EDGE (850, 900, 1800, 1900 MHz)
- CDMA EV-DO Rev. A (800, 1900 MHz)3
- 802.11b/g/n Wi-Fi (802.11n 2.4GHz only)
- Bluetooth 4.0 wireless technology

Location

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

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

Camera, Photos, and Video

- 8-megapixel camera
- Autofocus
- Tap to focus
- Face detection in still images
- LED flash
- Video recording, HD (1080p) up to 30 frames per second with audio
- Video stabilization
- Front camera with VGA-quality photos and video at up to 30 frames per second
- Photo and video geotagging

Power and Battery

- Built-in rechargeable lithium-ion battery
- Charging via USB to computer system or power adapter
- Talk time: Up to 8 hours on 3G, up to 14 hours on 2G (GSM)
- Standby time: Up to 200 hours
- Internet use: Up to 6 hours on 3G, up to 9 hours on Wi-Fi
- Video playback: Up to 10 hours
- Audio playback: Up to 40 hours

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

- AirPlay Mirroring to Apple TV support at 720p
- AirPlay video streaming to Apple TV (3rd generation) at up to 1080p and Apple TV (2nd generation) at up to 720p
- Video mirroring and video out support: Up to 1080p with Apple Digital AV Adapter or Apple VGA Adapter (adapters sold separately)
- Video out support at 576p and 480p with Apple Component AV Cable; 576i and 480i with Apple Composite AV Cable (cables sold separately)
- Video formats supported: H.264 video up to 1080p, 30 frames per second, High Profile level 4.1 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

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)

Sensors

- Three-axis gyro
- Accelerometer
- Proximity sensor
- Ambient light sensor

System Requirements

- Apple ID (required for some features)
- Internet access5
- Syncing with iTunes on a Mac or PC requires:
  - Mac: OS X v10.6.8 or later
  - PC: Windows 7; Windows Vista; or Windows XP Home or Professional with Service Pack 3 or later
  - iTunes 10.5 or later (free download from www.itunes.com/download)

Environmental Requirements

- Operating 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 (U.S.), English (UK), Chinese (Simplified), Chinese (Traditional), French, German, Italian, Japanese, Korean, Spanish, Arabic, Catalan, Croatian, Czech, Danish, Dutch, Finnish, Greek, Hebrew, Hungarian, Indonesian, Malay, Norwegian, Polish, Portuguese, Portuguese (Brazil), Romanian, Russian, Slovak, Swedish, Thai, Turkish, Ukrainian, Vietnamese

Keyboard Support

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

Dictionary Support (enables predictive text and autocorrect)

English (U.S.), English (UK), Chinese (Simplified), Chinese (Traditional), French, French (Canadian), French (Switzerland), German, Italian, Japanese (Romaji, Kana), Korean, Spanish,

Arabic, Catalan, Cherokee, Croatian, Czech, Danish, Dutch, Estonian, Finnish, Flemish, Greek, Hawaiian, Hebrew, Hindi, Hungarian, Indonesian, Latvian, Lithuanian, Malay, Norwegian, Polish, Portuguese, Portuguese (Brazil), Romanian, Russian, Slovak, Swedish, Thai, Turkish, Ukrainian, Vietnamese

Siri Languages

English (U.S., UK, and Australian), French, German