

iPhone 4s Tech Specs

Color



White

Black

Capacity ¹

16GB

Weight and Dimensions²

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)



Chip

A5 chip



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 and GLONASS
Digital compass
Wi-Fi
Cellular

Display

Retina display
3.5-inch (diagonal) widescreen Multi-

500 cd/m2 max brightness (typical)
Fingerprint-resistant oleophobic coating

	<p>3.5-inch (diagonal) widescreen multi-Touch display</p> <p>960-by-640-pixel resolution at 326 ppi</p> <p>800:1 contrast ratio (typical)</p>	<p>Fingerprint-resistant oleophobic coating on front and back</p> <p>Support for display of multiple languages and characters simultaneously</p>
iSight Camera	<p>8 megapixels</p> <p><i>f</i>/2.4 aperture</p> <p>LED flash</p> <p>Backside illumination sensor</p> <p>Five-element lens</p> <p>Hybrid IR filter</p>	<p>Autofocus</p> <p>Tap to focus</p> <p>Face detection</p> <p>Panorama</p> <p>Photo geotagging</p>
Video Recording	<p>1080p HD video recording</p> <p>30 fps</p> <p>LED light</p> <p>Video stabilization</p>	<p>Tap to focus</p> <p>Face detection</p> <p>Video geotagging</p>
FaceTime Camera	<p>VGA-resolution photos</p> <p>VGA-resolution video recording</p>	
Video Calling ⁴	<p>FaceTime</p> <p>iPhone 4s to any FaceTime-enabled device over Wi-Fi or cellular</p> <p>Initiate video calls over HSPA, 3G, and 2G</p> <p>HVGA-resolution (480 by 320) calls over Wi-Fi</p>	
Audio Calling ⁴	<p>FaceTime</p> <p>iPhone 4s to any FaceTime-enabled device over Wi-Fi or cellular</p>	
Audio Playback	<p>Frequency response: 20Hz to 20,000Hz</p> <p>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</p> <p>User-configurable maximum volume limit</p>	
TV and Video	<p>AirPlay mirroring to Apple TV support at 720p</p> <p>AirPlay video streaming to Apple TV (3rd generation) at up to 1080p and Apple TV (2nd generation) at up to 720p</p> <p>Video mirroring and video out support: Up to 1080p with Apple Digital AV Adapter or Apple VGA Adapter (adapters sold separately)</p> <p>Video out support at 576p and 480p with Apple Component AV Cable; 576i and 480i with Apple Composite AV Cable (cables sold separately)</p> <p>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</p>	

frames per second, audio in ulaw, PCM stereo audio in .avi file format

External Buttons and Connectors

External buttons and controls



Connectors and input/output



Power and Battery⁵

Built-in rechargeable lithium-ion battery
Charging via USB to computer system or power adapter
Talk time: Up to 8 hours on 3G
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

Sensors

Three-axis gyro
Accelerometer
Proximity sensor
Ambient light sensor

Operating System



iOS 8

With amazing new capabilities and updates to features you use every day, iOS 8 is the biggest iOS release ever. [Learn more about iOS 8 >](#)

iOS 8 includes

- AirDrop
- AirPlay
- CarPlay
- Control Center
- Family Sharing
- iCloud Drive
- Multitasking
- Notification Center
- QuickType keyboard

Built-in Apps



Camera



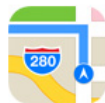
Photos



Music



Safari



Maps



Phone



FaceTime



Messages



Mail



Game Center



Passbook



iTunes Store



App Store



Contacts



Calendar



Reminders



Notes



Voice Memos



Clock



Videos



Weather



Stocks



Calculator



Newsstand



iBooks



Compass

Free Apps from Apple⁷



iPhoto



iMovie



GarageBand



Pages



Numbers



Keynote



iTunes U



Podcasts



Find My iPhone



Find My Friends



Apple Store



Remote

Headphones

Apple EarPods with Lightning Connector
Frequency response: 20Hz to 20,000Hz



SIM Card

Micro-SIM

Connector

30-pin



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

System Requirements

Apple ID (required for some features)

Internet access⁷

Syncing with iTunes on a Mac or PC requires:

- Mac: OS X v10.6.8 or later
- PC: Windows 8; Windows 7; Windows Vista; or Windows XP Home or Professional with Service Pack 3 or later
- iTunes 11.1 or later (free download from www.apple.com/lae/itunes/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 (Australia, Canada, UK, U.S.), Chinese (Simplified, Traditional, Traditional Hong Kong), French (Canada, France), German, Italian, Japanese, Korean, Spanish (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, UK, U.S.), Chinese – Simplified (Handwriting, Pinyin, Stroke), Chinese – Traditional (Cangjie, Handwriting, Pinyin, Stroke, Sucheng, Zhuyin), French (Canada, France, Switzerland), German (Germany, Switzerland), Italian, Japanese (Kana, Romaji), Korean, Spanish, Arabic, Bengali, Bulgarian, Catalan, Cherokee, Croatian, Czech, Danish, Dutch, Emoji, Estonian, Filipino, Finnish, Flemish, Greek, Hawaiian, Hebrew, Hindi, Hungarian, Icelandic, Indonesian, Latvian, Lithuanian, Macedonian, Malay, Marathi, Norwegian, Polish, Portuguese (Brazil, Portugal), Romanian, Russian, Serbian (Cyrillic, Latin), Slovak, Slovenian, Swedish, Tamil, Thai, Turkish, Ukrainian, Urdu, Vietnamese

QuickType keyboard support with predictive input⁹

English (Australia, Canada, India, UK, U.S.) Chinese (Simplified, Traditional), French (Canada, France, Switzerland), German (Germany, Switzerland), Italian, Japanese, Spanish, Portuguese (Brazil, Portugal), Thai

Siri languages

English (Australia, Canada, UK, U.S.), Spanish (Mexico, Spain, U.S.), French (Canada, France, Switzerland), German (Germany, Switzerland), Italian (Italy, Switzerland), Japanese, Korean, Cantonese (Hong Kong)

Dictation languages

English (Australia, Canada, UK, U.S.), Spanish (Mexico, Spain, U.S.), French (Canada, France, Switzerland), German (Germany, Switzerland), Italian (Italy, Switzerland), Japanese, Korean, Mandarin (Mainland China, Taiwan), Cantonese (Hong Kong), Catalan, Croatian, Czech, Danish, Dutch, Finnish, Greek, Hungarian, Indonesian, Malaysian, Norwegian, Polish, Portuguese (Brazil, Portugal), Romanian, Russian, Slovakian, Swedish, Turkish, Thai, Ukrainian, Vietnamese

Definition dictionary support

English, Chinese (Simplified), French, German, Italian, Japanese, Korean, Spanish, Dutch, Portuguese (Brazil), Russian, Thai, Turkish

Bilingual dictionary support

Simplified Chinese, Japanese, Korean, Spanish

Spell Check

English (Australia, Canada, UK, U.S.), French, German, Italian, Spanish, Danish, Dutch, Polish, Portuguese (Brazil, Portugal), Russian, Swedish, Turkish