

## iPhone 5s – Technical Specifications

 Languages 


### Finish

- Space Gray
- Gold
- Silver

### Capacity<sup>1</sup>

- 16GB
- 32GB
- 64GB

### Weight & Dimensions<sup>2</sup>

- Height: 4.87 inches (123.8 mm)
- Width: 2.31 inches (58.6 mm)
- Depth: 0.30 inch (7.6 mm)
- Weight: 3.95 ounces (112 grams)

### Chips

- A7 chip with 64-bit architecture
- M7 motion coprocessor

### Cellular and Wireless

- Model A1533 (GSM)\*: UMTS/HSPA+/DC-HSDPA (850, 900, 1700/2100, 1900, 2100 MHz); GSM/EDGE (850, 900, 1800, 1900 MHz); LTE (Bands 1, 2, 3, 4, 5, 8, 13, 17, 19, 20, 25)
- Model A1533 (CDMA)\*: CDMA EV-DO Rev. A and Rev. B (800, 1700/2100, 1900, 2100 MHz); UMTS/HSPA+/DC-HSDPA (850, 900, 1700/2100, 1900, 2100 MHz); GSM/EDGE (850, 900, 1800, 1900 MHz); LTE (Bands 1, 2, 3, 4, 5, 8, 13, 17, 19, 20, 25)
- Model A1453\*: CDMA EV-DO Rev. A and Rev. B (800, 1700/2100, 1900, 2100 MHz); UMTS/HSPA+/DC-HSDPA (850, 900, 1700/2100, 1900, 2100 MHz); GSM/EDGE (850, 900, 1800, 1900 MHz); LTE (Bands 1, 2, 3, 4, 5, 8, 13, 17, 18, 19, 20, 25, 26)
- Model A1457\*: UMTS/HSPA+/DC-HSDPA (850, 900, 1900, 2100 MHz); GSM/EDGE (850, 900, 1800, 1900 MHz); LTE (Bands 1, 2, 3, 5, 7, 8, 20)
- Model A1530\*: UMTS/HSPA+/DC-HSDPA (850, 900, 1900, 2100 MHz); GSM/EDGE (850, 900, 1800, 1900 MHz); FDD-LTE (Bands 1, 2, 3, 5, 7, 8, 20); TD-LTE (Bands 38, 39, 40)
- 802.11a/b/g/n Wi-Fi (802.11n 2.4GHz and 5GHz)
- Bluetooth 4.0 wireless technology

### Location

- Assisted GPS and GLONASS
- Digital compass
- Wi-Fi
- Cellular
- iBeacon microlocation

### Touch ID

- Fingerprint identity sensor built into the Home button

### Display

#### Retina display

- 4-inch (diagonal) LED-backlit widescreen Multi-Touch display with IPS technology
- 1136-by-640-pixel resolution at 326 ppi
- 800:1 contrast ratio (typical)
- 500 cd/m2 max brightness (typical)

- Full sRGB standard
- Fingerprint-resistant oleophobic coating on front
- Support for display of multiple languages and characters simultaneously

#### iSight Camera

- 8 megapixels with 1.5 $\mu$  pixels
- f/2.2 aperture
- Sapphire crystal lens cover
- True Tone flash
- Backside illumination sensor
- Five-element lens
- Hybrid IR filter
- Autofocus
- Tap to focus
- Exposure control
- Auto HDR for photos
- Face detection
- Panorama
- Auto image stabilization
- Burst mode
- Photo geotagging

#### Video Recording

- 1080p HD video recording (30 fps)
- True Tone flash
- Slo-mo video (120 fps)
- Time-lapse video
- Video stabilization
- Take still photos while recording video
- Face detection
- 3x zoom
- Video geotagging

#### FaceTime Camera

- 1.2MP photos (1280 by 960)
- f/2.4 aperture
- 720p HD video recording
- Auto HDR for photos
- Backside illumination sensor
- Face detection
- Exposure control

#### Video Calling<sup>3</sup>

- FaceTime
- iPhone 5s to any FaceTime-enabled device over Wi-Fi or cellular
- HVGA-resolution (480 by 368) calls over Wi-Fi

#### Audio Calling<sup>3</sup>

- FaceTime
- iPhone 5s to any FaceTime-enabled device over Wi-Fi or cellular
- Wi-Fi calling<sup>4</sup>

#### Audio Playback

- 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, photos, audio, and video out to Apple TV (2nd generation or later)
- Video mirroring and video out support: Up to 1080p through Lightning Digital AV Adapter and Lightning to VGA Adapter (adapters sold separately)
- Video formats supported: H.264 video up to 1080p, 60 frames per second, High Profile level 4.2 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

#### External Buttons and Connectors

- On/off – Sleep/wake
- Volume up/down
- Ring/silent

- Home/Touch ID sensor
- 3.5-mm stereo headphone minijack
- Microphone
- Built-in speaker
- Lightning connector

#### Power and Battery<sup>5</sup>

- Built-in rechargeable lithium-ion battery
- Charging via USB to computer system or power adapter
- Talk time: Up to 10 hours on 3G
- Standby time: Up to 10 days
- Internet use: Up to 8 hours on 3G, up to 10 hours on LTE, up to 10 hours on Wi-Fi
- Video playback: Up to 10 hours
- Audio playback: Up to 40 hours

#### Sensors

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

#### Built-in Apps

- Camera
- Photos
- Health
- Messages
- Phone
- FaceTime
- Mail
- Music
- Wallet
- Safari
- Maps
- Calendar
- iTunes Store
- App Store
- Notes
- News
- Contacts
- iBooks
- Game Center
- Weather
- Reminders
- Clock
- Videos
- Stocks
- Calculator
- Voice Memos
- Compass
- Podcasts
- Watch
- Tips
- iCloud Drive

#### Free Apps from Apple<sup>6</sup>

- iMovie
- Pages
- Keynote
- Numbers
- iTunes U
- GarageBand
- Apple Store
- Trailers
- Remote
- Find My iPhone
- Find My Friends

#### Headphones

- Apple EarPods with Remote and Mic
- Storage and travel case

**SIM Card**

- Nano-SIM
- iPhone 5s is not compatible with existing micro-SIM cards.

**Connector**

- Lightning

**Rating for Hearing Aids**

- iPhone 5s (Model A1453, A1533): M3, T4
- iPhone 5s (Model A1457, A1530): M4, 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

**System Requirements**

- Apple ID (required for some features)
- Internet access<sup>7</sup>
- Syncing with iTunes on a Mac or PC requires:
  - Mac: OS X v 10.8.5 or later
  - PC: Windows 7 or later
  - iTunes 12.3 or later (free download from [www.apple.com/itunes/download](http://www.apple.com/itunes/download))

**Environmental Requirements**

- Operating ambient 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 input<sup>8</sup>**  
 English (Australia, Canada, India, UK, U.S.), Chinese (Simplified, Traditional), French (Canada, France, Switzerland), German (Germany, Switzerland), Italian, Japanese, Korean, Russian, Spanish (Mexico, Spain), Portuguese (Brazil, Portugal), Thai, Turkish
- **Dictation languages**  
 English (Australia, Canada, India, Ireland, New Zealand, Philippines, Singapore, South Africa, UK, U.S.), Spanish (Chile, Colombia, Mexico, Spain, U.S.), French (Belgium, Canada, France, Switzerland), German (Austria, Germany, Switzerland), Italian (Italy, Switzerland), Japanese, Korean, Mandarin (Mainland China, Taiwan), Cantonese (Hong Kong), Arabic, Catalan, Croatian, Czech, Danish, Dutch (Belgium, Netherlands), Finnish, Greek, Hebrew, Hungarian, Indonesian, Malaysian, Norwegian, Polish, Portuguese (Brazil, Portugal), Romanian, Russian, Slovakian, Swedish, Turkish, Thai, Ukrainian, Vietnamese
- **Siri languages**  
 English (Australia, Canada, India, New Zealand, Singapore, UK, U.S.), Spanish (Mexico, Spain, U.S.), French (Belgium, Canada, France, Switzerland), German (Austria, Germany, Switzerland), Italian (Italy, Switzerland), Japanese, Korean, Mandarin (Mainland China, Taiwan), Cantonese (Hong Kong), Swedish (Sweden), Danish (Denmark), Dutch (Belgium, Netherlands), Norwegian (Norway), Russian (Russia), Turkish (Turkey), Thai (Thailand), Portuguese (Brazil)
- **Definition dictionary support**  
 English, Chinese (Simplified), French, German, Hindi, Italian, Japanese, Korean, Spanish, Dutch, Norwegian, Portuguese (Brazil), Russian, Swedish, Thai, Turkish
- **Bilingual dictionary support**  
 Chinese (Simplified), French, German, Japanese, Korean, Spanish
- **Spell check**  
 English (Australia, Canada, UK, U.S.), French, German, Italian, Spanish, Danish, Dutch, Polish, Portuguese (Brazil, Portugal), Russian, Swedish, Turkish

**In the Box**

- iPhone 5s
- Apple EarPods with Remote and Mic
- Lightning to USB Cable
- 5W USB Power Adapter

#### iPhone and the Environment

Apple takes a complete product life cycle approach to determining our environmental impact. Learn more

iPhone 5s embodies Apple's continuing environmental progress. It is designed with the following features to reduce environmental impact:

- Mercury-free LED-backlit display
- Arsenic-free display glass
- Brominated flame retardant-free
- PVC-free
- Power adapter outperforms strictest global energy efficiency standards

#### Apple and the Environment

Learn more about Apple's dedication to reducing the environmental impact of our products and process. Apple Product Environmental Reports detail the environmental attributes of our products.

#### Recycling

Apple takes a holistic view of materials management and waste minimization. Learn more about how to recycle your iPhone.

\*To identify your iPhone model number, see <http://support.apple.com/kb/HT3939>. For details on LTE support, contact your carrier and see [www.apple.com/iphone/LTE](http://www.apple.com/iphone/LTE).

1. 1GB = 1 billion bytes; actual formatted capacity less. Requires an installment agreement or a 2-year contract and plan (which may include restrictions on switching service providers and roaming, even after contract expiration); sold separately to qualified customers. Credit check required; must be 18 or older; upgrade or activation fee from your wireless service provider may apply. Wireless service is provided by and is the sole responsibility of your wireless service provider. Some capabilities are not available in all areas and depend on your wireless plan and service provider network. Service may not be available in all areas or at the signal strength, rates, speeds, or bandwidth as demonstrated. Some features may require added fees. Contact your wireless service provider for more details. Customers who want to upgrade from another phone or replace a previous-generation iPhone should check with their wireless service provider for pricing options. For those who are not qualified customers, are not eligible for an early upgrade, are purchasing an unlocked iPhone, or wish to buy an iPhone as a gift, see your carrier, an Apple Retail Store Specialist, [apple.com](http://apple.com), or an Apple Authorized Reseller for pricing. In CA and RI, sales tax is collected on the unbundled price of iPhone. Wi-Fi Internet access required for some features; fees may apply. Use constitutes acceptance of Apple's software license agreement. Warranty information is also available at [www.apple.com/legal/warranty/iphone](http://www.apple.com/legal/warranty/iphone). Unauthorized modification of your iPhone software violates the software license agreement. Inability to use an iPhone due to unauthorized modifications is not covered under your warranty.
2. Size and weight vary by configuration and manufacturing process.
3. FaceTime calling requires a FaceTime-enabled device for the caller and recipient and a Wi-Fi connection. Availability over a cellular network depends on carrier policies; data charges may apply.
4. LTE and Wi-Fi calling are available in selected markets and through selected carriers. Speeds are based on theoretical throughput and vary based on site conditions. For details on LTE support, contact your carrier and see [www.apple.com/iphone/LTE](http://www.apple.com/iphone/LTE).
5. 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 by Apple service provider. Battery life and charge cycles vary by use and settings. See [www.apple.com/batteries](http://www.apple.com/batteries) and [www.apple.com/iphone/battery.html](http://www.apple.com/iphone/battery.html) for more information.
6. iMovie, GarageBand, Pages, Numbers, and Keynote are free on the App Store for qualifying iOS 9 compatible devices with initial activation on or after September 1, 2013. See [www.apple.com/ios/whats-new](http://www.apple.com/ios/whats-new) for iOS 9 compatible devices. Downloading apps requires an Apple ID.
7. Wireless broadband recommended; fees may apply.
8. Customized suggestions based on recipient and app are not available for Chinese (Simplified, Traditional), Japanese, Korean, and Thai.

Some features may not be available for all countries or all areas. Click [here](#) to see complete list. Application and service availability and pricing are subject to change.

Published Date: Nov 1, 2017

Support

More ways to shop: Visit an Apple Store, call 1-800-MY-APPLE, or find a reseller.

