

iPhone 6s – Technical Specifications



Finish

- Silver
- Gold
- Space Gray
- Rose Gold

Capacity¹

- 16GB
- 32GB
- 64GB
- 128GB

Weight and Dimensions²

- Height: 5.44 inches (138.3 mm)
- Width: 2.64 inches (67.1 mm)
- Depth: 0.28 inch (7.1 mm)
- Weight: 5.04 ounces (143 grams)

Display

- Retina HD display with 3D Touch
- 4.7-inch (diagonal) LED-backlit widescreen
- 1334-by-750-pixel resolution at 326 ppi
- 1400:1 contrast ratio (typical)
- 500 cd/m2 max brightness (typical)
- Full sRGB standard
- Dual-domain pixels for wide viewing angles
- Fingerprint-resistant oleophobic coating on front
- Support for display of multiple languages and characters simultaneously
- Display Zoom
- Reachability

Chip

- A9 chip with 64-bit architecture
- Embedded M9 motion coprocessor

iSight Camera

- New 12-megapixel iSight camera with 1.22µm pixel size
- Live Photos
- Autofocus with Focus Pixels
- True Tone flash
- Panorama (up to 63 megapixels)
- Auto HDR for photos
- Exposure control
- Burst mode
- Timer mode
- *f*/2.2 aperture
- Five-element lens
- Hybrid IR filter
- Backside illumination sensor
- Sapphire crystal lens cover
- Auto image stabilization
- Improved local tone mapping
- Improved noise reduction
- Face detection
- Photo geotagging

Video Recording

- 4K video recording (3840 by 2160) at 30 fps
- 1080p HD video recording at 30 fps or 60 fps
- 720p HD video recording at 30 fps
- True Tone flash
- Slo-mo video support for 1080p at 120 fps and 720p at 240 fps
- Time-lapse video with stabilization
- Cinematic video stabilization (1080p and 720p)
- Continuous autofocus video

- Continuous autorocus video
- Improved noise reduction
- Take 8MP still photos while recording 4K video
- Playback zoom
- 3x zoom
- Face detection
- Video geotagging

FaceTime HD Camera

- 5-megapixel photos
- 720p HD video recording
- Retina Flash
- *f*/2.2 aperture
- Auto HDR for photos and videos
- Backside illumination sensor
- Exposure control
- Burst mode
- Timer mode
- Face detection

Touch ID

- Fingerprint sensor built into the Home button

Apple Pay

- Pay with your iPhone using Touch ID in stores and within apps
- Receive and redeem rewards using rewards cards

[Learn more about Apple Pay](#)

Cellular and Wireless

- **Model A1633* / Model A1634***
LTE (Bands 1, 2, 3, 4, 5, 7, 8, 12, 13, 17, 18, 19, 20, 25, 26, 27, 28, 29, 30)
TD-LTE (Bands 38, 39, 40, 41)
TD-SCDMA 1900 (F), 2000 (A)
UMTS/HSPA+/DC-HSDPA (850, 900, 1700/2100, 1900, 2100 MHz)
CDMA EV-DO Rev. A (800, 1700/2100, 1900, 2100 MHz)
GSM/EDGE (850, 900, 1800, 1900 MHz)
- **Model A1688* / Model A1687***
LTE (Bands 1, 2, 3, 4, 5, 7, 8, 12, 13, 17, 18, 19, 20, 25, 26, 27, 28, 29)
TD-LTE (Bands 38, 39, 40, 41)
TD-SCDMA 1900 (F), 2000 (A)
CDMA EV-DO Rev. A (800, 1700/2100, 1900, 2100 MHz)
UMTS/HSPA+/DC-HSDPA (850, 900, 1700/2100, 1900, 2100 MHz)
GSM/EDGE (850, 900, 1800, 1900 MHz)
- **All models**
802.11a/b/g/n/ac Wi-Fi with MIMO
Bluetooth 4.2 wireless technology
NFC

Location

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

Video Calling³

- FaceTime video calling over Wi-Fi or cellular

Audio Calling³

- FaceTime audio
- Voice over LTE (VoLTE)⁴
- Wi-Fi calling⁴

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 4K, 30 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

Siri⁵

- Use your voice to send messages, set reminders, and more
- Get proactive suggestions
- Use hands-free
- Listen and identify songs

[Learn more about Siri](#)

External Buttons and Connectors

- Touch ID sensor
- Volume up/down
- Ring/Silent
- On/Off-Sleep/Wake
- 3.5mm headphone jack
- Lightning connector
- Microphones
- Built-in speaker

Power and Battery⁶

- Talk time: Up to 14 hours on 3G
- Internet use: Up to 10 hours on 3G, up to 10 hours on LTE, up to 11 hours on Wi-Fi
- HD video playback: Up to 11 hours
- Audio playback: Up to 50 hours
- Standby time: Up to 10 days
- Built-in rechargeable lithium-ion battery
- Charging via USB to computer system or power adapter

Sensors

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

Operating System

iOS 10

The world's most advanced mobile operating system gets major enhancements to built-in apps, a smarter Siri and search, and much more.

[Learn more about iOS 10](#)

iOS 10 includes:

- AirDrop
- AirPlay
- AirPrint
- Control Center
- Handoff
- HomeKit
- iCloud
- iCloud Keychain
- Multitasking
- Night Shift
- Notification Center
- Siri
- Spotlight Search

Built-in Apps

Built-in apps are an essential part of your iPhone experience and are efficiently designed to use less than 150MB of storage.

- Camera
- Photos
- Health
- Messages
- Phone
- FaceTime
- Mail
- Music
- Wallet
- Safari
- Maps
- Calendar
- iTunes Store
- App Store
- Notes
- News
- Contacts

- iBooks
- Home
- Game Center
- Weather
- Reminders
- Clock
- Videos
- Stocks
- Calculator
- Voice Memos
- Compass
- Podcasts
- Watch
- Tips
- iCloud Drive
- Find My iPhone
- Find My Friends

Free Apps from Apple⁷

Pages, Numbers, Keynote, iMovie, GarageBand, and iTunes U are preinstalled on iPhone models with a capacity of 64GB or higher.

- iMovie
- Pages
- Keynote
- Numbers
- iTunes U
- GarageBand
- Apple Store
- Trailers
- Apple TV Remote
- iTunes Remote
- Music Memos

Headphones

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

SIM Card

- Nano-SIM
iPhone 6s and iPhone 6s Plus are not compatible with existing micro-SIM cards.

Rating for Hearing Aids

- iPhone 6s (Model A1633, A1688): 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

System Requirements

- Apple ID (required for some features)
- Internet access⁸

Syncing with iTunes on a Mac or PC requires:

- Mac: OS X v10.8.5 or later
- PC: Windows 7 or later
- iTunes 12.3 or later (free download from www.itunes.com/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, Singapore, UK, U.S.), Chinese – Simplified (Handwriting, Pinyin, Stroke), Chinese – Traditional (Cangjie, Handwriting, Pinyin, Stroke, Sucheng, Zhuyin), French (Belgium, Canada, France, Switzerland), German (Austria, Germany, Switzerland), Italian, Japanese (Kana, Romaji), Korean, Spanish (Mexico, Spain), Arabic, Bengali, Bulgarian, Catalan, Cherokee, Croatian, Czech, Danish, Dutch, Emoji, Estonian, Filipino, Finnish, Flemish, Greek, Gujarati, Hawaiian, Hebrew, Hindi (Devanagari, Transliteration), Hindi, Hungarian, Icelandic, Indonesian, Latvian, Lithuanian, Macedonian, Malay, Marathi, Norwegian

Chinese, Czech, Danish, Dutch, Finnish, French, German, Greek, Hebrew (Israel), Hindi, Indonesian, Italian, Japanese, Korean, Latin, Lithuanian, Malay, Marathi, Norwegian, Polish, Portuguese (Brazil, Portugal), Punjabi, Romanian, Russian, Serbian (Cyrillic, Latin), Slovak, Slovenian, Swedish, Tamil, Telugu, Thai, Turkish, Ukrainian, Urdu, Vietnamese

- **QuickType keyboard support with predictive input⁹**

English (Australia, Canada, India, Singapore, UK, U.S.), Chinese (Simplified, Traditional), French (Belgium, Canada, France, Switzerland), German (Austria, 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 (Saudi Arabia, United Arab Emirates), Catalan, Croatian, Czech, Danish (Denmark), Dutch (Belgium, Netherlands), Finnish, Greek, Hebrew (Israel), Hungarian, Indonesian, Malaysian, Norwegian (Norway), Polish, Portuguese (Brazil, Portugal), Romanian, Russian (Russia), Slovakian, Swedish (Sweden), Turkish (Turkey), Thai (Thailand), 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), Arabic (Saudi Arabia, United Arab Emirates), Danish (Denmark), Dutch (Belgium, Netherlands), Finnish (Finland), Hebrew (Israel), Malay (Malaysia), Norwegian (Norway), Russian (Russia), Swedish (Sweden), 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, Finnish, Korean, Norwegian, Polish, Portuguese (Brazil, Portugal), Russian, Swedish, Turkish