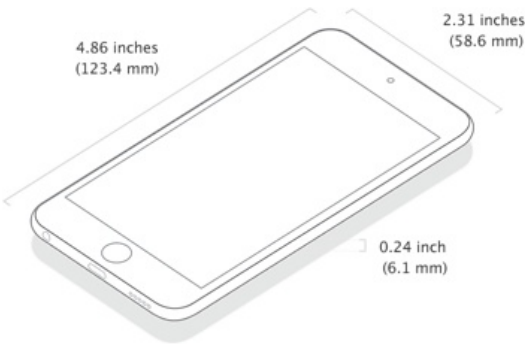


Size and Weight



Height: 4.86 inches (123.4 mm)
Width: 2.31 inches (58.6 mm)
Depth: 0.24 inch (6.1 mm)
Weight: 3.10 ounces (88 grams)⁴

Display



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

Chip



A8 chip with 64-bit architecture
M8 motion coprocessor

iSight Camera

- | | |
|--------------------------|-----------------------------|
| 8MP iSight camera | improved face detection |
| Autofocus | Exposure control |
| <i>f</i> /2.4 aperture | Panorama (up to 43MP) |
| Five-element lens | Burst mode |
| Hybrid IR filter | Tap to focus |
| Backside illumination | Photo geotagging over Wi-Fi |
| Auto image stabilization | Timer mode |
| Auto HDR for photos | |

Video Recording

- 1080p HD video recording (30 fps)
- Tap to focus while recording

Slo-mo video (120 fps)
Time-lapse video with stabilization
Cinematic video stabilization
Improved face detection
3x zoom
Video geotagging over Wi-Fi

FaceTime HD Camera

1.2MP photos
 $f/2.2$ aperture
720p HD video recording
Backside illumination sensor
Auto HDR for photos and videos
Improved face detection
Burst mode
Exposure control
Timer mode

Wireless

802.11a/b/g/n/ac Wi-Fi
Bluetooth LE technology
Maps: Location-based service⁵



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

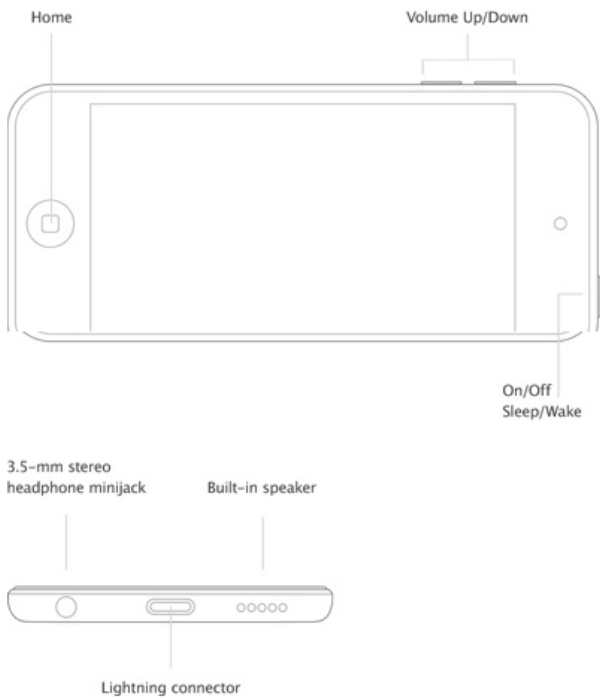
TV and Video

AirPlay Mirroring and video out to Apple TV (2nd and 3rd generation)
Video mirroring and video out support: Up to 1080p through Lightning Digital AV Adapter and Lightning to VGA Adapter (adapters sold separately)
H.264 video up to 1080p, 30 frames per second, Main 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

Intelligent Assistant⁶

Siri — Use your voice to send messages, set reminders, and more
Use hands-free
Listen and identify songs
[Learn more about Siri >](#)

External Buttons and Connectors



Input and Output

- Lightning connector
- Stereo headphone minijack
- Built-in speaker
- Microphone

Power and Battery⁷

- Built-in rechargeable lithium-ion battery
- Music playback time: Up to 40 hours
- Video playback time: Up to 8 hours

Sensors

- Three-axis gyro
- Accelerometer

Operating System



iOS 9

With an all-new design and all-new features, iOS 9 is the world's most advanced mobile OS. In its most advanced form.

[Learn more about iOS 9 >](#)

iOS 9 includes:

- AirDrop
- AirPlay
- AirPrint
- Notification Center
- Siri
- Spotlight Search
- Family Sharing
- iCloud Drive
- Multitasking

Built-in Apps





Mail



Music



Passbook



Safari



Maps



Siri



Calendar



iTunes Store



App Store



Notes



Contacts



iBooks



Game Center



Weather



Reminders



Voice Memos



Clock



Videos



Stocks



Calculator



Newsstand



Podcasts

Free Apps from Apple⁸



iMovie



Pages



Keynote



Numbers



iTunes U



GarageBand



Apple Store



Trailers



Remote



Find My iPhone



Find My Friends

Headphones⁹

Apple EarPods



System Requirements

Apple ID (required for some features)

Internet access

Syncing with iTunes on a Mac or PC requires:

- Mac: OS X v10.7.5 or later
- PC: Windows 7 or later
- iTunes 12.2 or later¹⁰ (free download from 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 input¹¹

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

Siri languages

English (Australia, Canada, India, New Zealand, Singapore, 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), Swedish (Sweden), Danish (Denmark), Dutch (Netherlands), Russian (Russia), Turkish (Turkey), Thai (Thailand), Portuguese (Brazil)

Dictation languages

English (Australia, Canada, India, UK, U.S.), Spanish (Mexico, Spain, U.S.), French (Canada, France, Switzerland), German (Germany, Switzerland), Italian (Italy, Switzerland), Japanese, Korean, Mandarin (Mainland China, Taiwan), Arabic, Cantonese (Hong Kong), Catalan, Croatian, Czech, Danish, Dutch, Finnish, Greek, Hebrew, 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

In the Box

- iPod touch
- Apple EarPods
- Lightning to USB Cable
- Quick Start guide