

## Size and Weight<sup>1</sup>

### Wi-Fi

- Height: 9.4 inches (240 mm)
- Width: 6.6 inches (169.5 mm)
- Depth: 0.29 inch (7.5 mm)
- Weight: 1 pounds (469 g)

## Display

- Retina display
- 9.7-inch (diagonal) LED-backlit Multi-Touch display with IPS technology
- 2048-by-1536 resolution at 264 pixels per inch (ppi)
- Fingerprint-resistant oleophobic coating

## Chip

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

## Wireless and Cellular

- Wi-Fi
  - Wi-Fi (802.11a/b/g/n); dual channel (2.4GHz and 5GHz) and MIMO
  - Bluetooth 4.0 technology

## Cameras

### Cameras, Photos, and Video Recording

- **FaceTime HD Camera**
  - 1.2MP photos
  - 720p HD video
  - FaceTime video calling over Wi-Fi or cellular<sup>5</sup>
  - Face detection
  - Backside illumination
  - Tap to control exposure for video or still images
  - Photo and video geotagging
- **Video Recording**
  - 1080p HD video recording
  - Video stabilization
  - Face detection
  - Tap to focus while recording
  - Backside illumination
  - 3x video zoom
- **iSight Camera**
  - 5MP photos
  - Autofocus
  - Face detection
  - Backside illumination
  - Five-element lens
  - Hybrid IR filter
  - f/2.4 aperture
  - Tap to focus video or still images
  - Tap to control exposure for video or still images
  - Photo and video geotagging
  - HDR photos

## External Buttons and Connectors

### External Buttons and Controls

- Home
- On/Off; Sleep/Wake
- Silent/Screen rotation lock
- Volume up/down

### Connectors and Input/Output

- Dual Microphones
- 3.5-mm stereo headphone minijack
- Lightning connector
- Built-in speakers

## Power and Battery<sup>6</sup>

- Wi-Fi
  - Built-in 32.4-watt-hour rechargeable lithium-polymer battery
  - Up to 10 hours of surfing the web on Wi-Fi, watching video, or listening to music
  - Charging via power adapter or USB to computer system

## Input/Output

- Wi-Fi
  - 3.5-mm stereo headphone minijack
  - Built-in speakers
  - Dual microphones

## Connector

- Lightning

## Sensors

- Three-axis gyro
- Accelerometer
- Ambient light sensor

## Operating system

**iOS 7:** With an all-new design and all-new features, iOS 7 is the world's most advanced mobile OS. In its most advanced form. [Learn more about iOS 7](#)

## iOS 7 includes:

- AirDrop
- AirPlay
- AirPrint
- Control Center
- Notification Center
- Siri
- Spotlight Search
- iTunes Radio
- Facebook Integration
- Twitter Integration
- iCloud
- iCloud Keychain
- Multitasking
- Passbook

## Built-in Apps

- Safari
- Mail
- iBooks
- Photos
- Maps
- FaceTime
- Newsstand
- Messages
- iTunes Store
- App Store
- Calendar
- Music
- Videos
- Siri
- Reminders
- Contacts
- Camera
- Notes
- Photo Booth
- Clock
- Game Center

## Free Apps from Apple<sup>7</sup>

- iPhoto
- iTunes U
- iMovie
- Podcasts
- GarageBand
- Find My iPhone
- Pages
- Find My Friends
- Numbers
- Remote
- Keynote
- iTunes Trailers

## Location

- Wi-Fi
  - Wi-Fi
  - Digital compass

## Video Calling<sup>5</sup>

- Wi-Fi
  - FaceTime
  - iPad Air to any FaceTime-enabled device over Wi-Fi

## Audio Calling<sup>5</sup>

- Wi-Fi
  - FaceTime
  - iPad Air to any FaceTime-enabled device over Wi-Fi

## 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)
- 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

## 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

## 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 (Canadian), English (UK), English (Australian), Chinese – Simplified (Handwriting, Pinyin, Stroke), Chinese – Traditional (Handwriting, Pinyin, Zhuyin, Cangjie, Stroke), 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, Indonesian, Latvian, Lithuanian, Malay, Norwegian, Polish, Macedonian, Malay, Norwegian, Polish, Portuguese, Portuguese (Brazil), Romanian, Russian, Serbian (Cyrillic/Latin), Slovak, Swedish, Tamil, Thai, Tibetan, Turkish, Ukrainian, Vietnamese
- **Dictionary support (enables predictive text and autocorrect)**  
English (U.S.), English (Canadian), English (UK), English (Australian), 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, Tamil, Thai, Turkish, Ukrainian, Vietnamese
- **Siri languages**  
English (U.S., UK, Canada, Australia), Spanish (U.S., Mexico, Spain), French (France, Canada, Switzerland), German (Germany, Switzerland), Italian (Italy, Switzerland), Japanese, Korean, Mandarin (Mainland China, Taiwan), Cantonese (Hong Kong)

## Intelligent Assistant<sup>8</sup>

- **Siri**  
Use your voice to send messages, set reminders, and more.

## Accessibility

- VoiceOver screen reader
- Guided Access
- Switch Control
- Support for playback of closed-captioned content
- AssistiveTouch
- Full-screen zoom magnification
- Larger type
- Bold text
- Increase contrast
- Reduce motion
- On/Off labels
- Invert colors
- Left/right volume adjustment

## 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

## System Requirements

- Apple ID (required for some features)
- Internet access<sup>9</sup>
- **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 (free download at [www.itunes.com/download](#))

## In the Box

- iPad Air
- Lightning to USB Cable
- USB Power Adapter

1. 1GiB = 1 billion bytes; actual formatted capacity less.  
2. Size and weight vary by configuration and manufacturing process.  
3. For details on LTE support, contact your carrier and see [www.apple.com/ipad/LTE](#).  
4. Cellular data plan is sold separately. The model you purchase is configured to work with a particular cellular network technology. Check with your carrier for compatibility and cellular data plan availability.  
5. 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.  
6. Testing conducted by Apple in October 2013 using preproduction iPad Air units and software. Testing consisted of full battery discharge while performing each of the following tasks: video playback, audio playback, and Internet browsing using Wi-Fi or cellular data network. Video content was a repeated 2-hour 23-minute movie purchased from the iTunes Store. Audio content was a playlist of 358 unique audio tracks purchased from the iTunes Store. Internet over Wi-Fi and cellular data network tests were conducted using dedicated web and mail servers, browsing snapshot versions of 20 popular web pages, and receiving mail once an hour. All settings were default except: Wi-Fi was associated with a network (except for Internet browsing over cellular data network); the Wi-Fi feature Ask to Join Networks and Auto-Brightness were turned off; Brightness was set to 50%; and WPA2 encryption was enabled. Battery life depends on device settings, usage, and many other factors. Battery tests are conducted using specific iPad units; actual results may vary.  
7. GarageBand is free on the App Store for all iOS 7 compatible devices; additional GarageBand instruments and sounds are available with an in-app purchase. iPhoto, iMovie, Pages, Numbers, and Keynote are free on the App Store for qualifying iOS 7 compatible devices activated on or after September 1, 2013. See [www.apple.com/ios/whats-new/](#) for iOS 7 compatible devices. Downloading apps requires an Apple ID.  
8. Siri may not be available in all languages or in all areas, and features may vary by area. Internet access required. Cellular data charges may apply.  
9. Wireless broadband recommended; fees may apply.