

iPad Air 2 – Technical Specification



Finish

- Silver
- Gold
- Space Gray

Capacity¹

- 16GB
- 64GB
- 128GB

Weight and dimensions²

- **Wi-Fi**
 - Height: 9.4 inches (240 mm)
 - Width: 6.6 inches (169.5 mm)
 - Depth: 0.24 inch (6.1 mm)
 - Weight: 0.96 pound (437 g)
- **Wi-Fi + Cellular**
 - Height: 9.4 inches (240 mm)
 - Width: 6.6 inches (169.5 mm)
 - Depth: 0.24 inch (6.1 mm)
 - Weight: 0.98 pound (444 g)

Display

- Retina Display
- 9.7-inch (diagonal) LED-backlit widescreen Multi-Touch display with IPS technology
- 2048-by-1536-pixel resolution at 264 ppi
- Fingerprint-resistant oleophobic coating
- Fully laminated display
- Antireflective coating

Chip

- A8X chip with 64-bit architecture
- M8 motion coprocessor

iSight Camera

- 8MP iSight camera
- Autofocus
- *f*/2.4 aperture
- Five-element lens
- Hybrid IR filter
- Backside illumination
- Improved face detection
- Exposure control
- Panorama (up to 43MP)
- Burst mode
- Tap to focus
- Photo geotagging
- Timer mode

Video Recording

- 1080p HD video recording (30 fps)
- Slo-mo (120 fps)
- Time-lapse video
- Video image stabilization
- Improved face detection
- 3x video zoom
- Video geotagging

FaceTime HD Camera

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

Apple Pay

- Pay with your iPad using Touch ID in apps

Touch ID

- Fingerprint identity sensor built into the Home button

Cellular and Wireless

- **Wi-Fi**
 - Wi-Fi (802.11a/ b/ g/ n/ ac); dual channel (2.4GHz and 5GHz); HT80 with MIMO
 - Bluetooth 4.0 technology
- **Wi-Fi + Cellular**
 - Wi-Fi (802.11a/ b/ g/ n/ ac); dual channel (2.4GHz and 5GHz); HT80 with MIMO
 - Bluetooth 4.0 technology
 - UMTS/HSPA/HSPA+/DC-HSDPA (850, 900, 1700/2100, 1900, 2100 MHz); GSM/EDGE (850, 900, 1800, 1900 MHz)
 - CDMA EV-DO Rev. A and Rev. B (800, 1900 MHz)
 - LTE (Bands 1, 2, 3, 4, 5, 7, 8, 13, 17, 18, 19, 20, 25, 26, 28, 29, 38, 39, 40, 41)³
 - Data only⁴
 - Includes Apple SIM — U.S. and UK only

Location

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

Video Calling⁵

- **Wi-Fi**
 - FaceTime video
 - iPad Air to any FaceTime-enabled device over Wi-Fi
- **Wi-Fi + Cellular**
 - FaceTime video
 - iPad Air to any FaceTime-enabled device over Wi-Fi or cellular

Audio Calling⁵

- **Wi-Fi**
 - FaceTime audio
 - iPad Air to any FaceTime-enabled device over Wi-Fi
- **Wi-Fi + Cellular**
 - FaceTime audio
 - iPad Air to any FaceTime-enabled device over Wi-Fi or cellular

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, 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 5.0 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

- Home/Touch ID sensor
- Built-in speaker
- Lightning connector
- 3.5-mm stereo headphone jack
- Dual microphones
- On/Off Sleep/Wake
- Volume up/down

Power and Battery⁷

- **Wi-Fi**
 - Built-in 27.3-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
- **Wi-Fi + Cellular**
 - Built-in 27.3-watt-hour rechargeable lithium-polymer battery
 - Up to 10 hours of surfing the web on Wi-Fi, watching video, or listening to music
 - Up to 9 hours of surfing the web using cellular data network
 - Charging via power adapter or USB to computer system

Sensors

- Touch ID
- Three-axis gyro
- Accelerometer
- Barometer
- 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
- Control Center
- Family Sharing
- iCloud Drive
- iTunes Radio
- Multitasking
- Notification Center
- QuickType keyboard
- Siri
- Spotlight Search

Built-in Apps

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

Free Apps from Apple⁸

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

Connector

- Lightning

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 access⁹
- **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 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, 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 input¹⁰**
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, 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)
- **Dictionation 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

In The Box

- iPad Air 2
- Lightning to USB Cable
- USB Power Adapter

1. 1GB = 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. 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.
7. Testing conducted by Apple in October 2014 using preproduction iPad Air 2 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.
8. iMovie, Pages, Numbers, and Keynote are free on the App Store for qualifying iOS 8 compatible devices with initial activation on or after September 1, 2013. GarageBand is free on the App Store for qualifying iOS 8 compatible devices with initial activation on or after September 1, 2014. See www.apple.com/ios/whats-new for iOS 8 compatible devices. Downloading apps requires an Apple ID.
9. Wireless broadband recommended; fees may apply.
10. Customized suggestions based on recipient and app are not available for Chinese (Simplified, Traditional) and Japanese.