iPad Air 2 - Technical Specification





Finish

- Silver
- Gold
- Space Gray

Capacity[1]

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

Size and Weight[2]

- **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)

Buttons and Connectors

- Home/Touch ID sensor
- Built-in stereo speakers
- Lightning connector
- 3.5 mm headphone jack
- Dual microphones
- On/Off – Sleep/Wake
- Volume up/down
- Nano-SIM tray (cellular models)

Connector

- Lightning

In the Box

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

Display

- Retina display
- 9.7-inch (diagonal) LED-backlit 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

- Panorama (up to 43MP)
- Auto HDR for photos
- Exposure control
- Burst mode
- Tap to focus
- Timer mode
- ƒ/2.4 aperture
- Five-element lens
- Hybrid IR filter
- Backside illumination
- Auto image stabilization
- Face detection
- Photo geotagging

Video Recording

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

FaceTime HD Camera

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

Video Calling[3]

- **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 Calling[3]

- **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

Cellular and Wireless

- **Wi-Fi model**
  - Wi-Fi (802.11a/b/g/n/ac); dual band (2.4GHz and 5GHz); HT80 with MIMO
  - Bluetooth 4.2 technology
- **Wi-Fi + Cellular model**
  - Wi-Fi (802.11a/b/g/n/ac); dual band (2.4GHz and 5GHz); HT80 with MIMO
  - Bluetooth 4.2 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)[4]
  - Data only[5]
  - Wi-Fi calling[4]
  - Includes Apple SIM
    Learn more about Apple SIM

SIM Card

- Nano-SIM (supports Apple SIM)

Location

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

Sensors

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

Touch ID

- Fingerprint identity sensor built into the Home button

Apple Pay

- Pay with your iPad using Touch ID within apps and on the web

Learn more about Apple Pay

Siri[6]

- Siri — Use your voice to send messages, set reminders, and more
- Use hands-free
- Listen and identify songs

Learn more about Siri

Power and Battery[7]

- **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

Operating System
iOS 10
With an all-new design and all-new features, iOS 10 is the world's most advanced mobile OS. It brings your iPad to life in more intelligent and expressive ways than ever. See what's new in iOS 10

iOS 10 includes:

- AirDrop
- AirPlay
- AirPrint
- Control Center
- Notification Center
- Siri
- Spotlight Search
- Apple Music
- Family Sharing
- iCloud Drive
- Multitasking
- QuickType Keyboard
- Night Shift

Accessibility
Accessibility features help people with disabilities get the most out of their new iPad Air 2. With built-in support for vision, hearing, physical and motor skills, and learning and literacy, you can create and do amazing things. Learn more

Features include:

- VoiceOver
- Zoom
- Magnifier
- Siri and Dictation
- Switch Control
- Closed Captions
- AssistiveTouch
- Speak Screen

Built-in Apps
Built-in apps are an essential part of your iPad experience and are efficiently designed to use less than 200MB of storage.

- Camera
- Photos
- Messages
- FaceTime
- Mail
- Music
- Safari
- Maps
- Siri
- Calendar
- iTunes Store
- App Store
- Notes
- Contacts
- iBooks
- Home
- Reminders
- Clock
- TV
- News
- Photo Booth
- Podcasts
- Find My iPhone
- Find My Friends
- iCloud Drive

Free Apps from Apple[8]
Pages, Numbers, Keynote, iMovie, GarageBand, and iTunes U are preinstalled on iPad models with a capacity of 32GB or higher.

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

System Requirements

- Apple ID (required for some features)
- Internet access[9]

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

Languages

- **Language support**
  English (Australia, Canada, UK, U.S.), Chinese (Simplified, Traditional, Traditional Hong Kong), French (Canada, France), German, Italian, Japanese, Korean, Spanish (Latin America, 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 (Latin America, Mexico, Spain), Arabic, Bengali, Bulgarian, Catalan, Cherokee, Croatian, Czech, Danish, Dutch, Emoji, Estonian, Filipino, Finnish, Flemish, Greek, Gujarati, Hawaiian, Hebrew, Hindi (Devanagari, Transliteration), Hinglish, Hungarian, Icelandic, Indonesian, Latvian, Lithuanian, Macedonian, Malay, Marathi, Norwegian, Polish, Portuguese (Brazil, Portugal), Punjabi, Romanian, Russian, Serbian (Cyrillic, Latin), Slovak, Slovenian, Swedish, Tamil (Script, Transliteration), Telugu, Thai, Turkish, Ukrainian, Urdu, Vietnamese
- **QuickType keyboard support with predictive input**[10]
  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 (Latin America, Mexico, Spain), Portuguese (Brazil, Portugal), Thai, Turkish
- **Siri languages**
  English (Australia, Canada, India, Ireland, New Zealand, Singapore, South Africa, UK, U.S.), Spanish (Chile, Mexico, Spain, U.S.), French (Belgium, Canada, France, Switzerland), German (Austria, Germany, Switzerland), Italian (Italy, Switzerland), Japanese, Korean, Mandarin (China mainland, Taiwan), Cantonese (China mainland, 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 (Türkiye), Thai (Thailand), Portuguese (Brazil)
- **Dictation languages**
  English (Australia, Canada, India, Ireland, Malaysia, New Zealand, Philippines, Saudi Arabia, Singapore, South Africa, UAE, UK, U.S.), Spanish (Chile, Colombia, Mexico, Spain, U.S.), French (Belgium, Canada, France, Luxembourg, Switzerland), German (Austria, Germany, Switzerland), Italian (Italy, Switzerland), Japanese, Korean, Mandarin (China mainland, Taiwan), Cantonese (Hong Kong), Arabic (Kuwait, Saudi Arabia, Qatar, UAE), Catalan, Croatian, Czech, Danish, Dutch (Belgium, Luxembourg, Netherlands), 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, Traditional), Danish, Dutch, French, German, Hindi, Italian, Japanese, Korean, Norwegian, Portuguese (Brazil), Russian, Spanish, Swedish, Thai, Turkish
- **Bilingual dictionary support**
  Chinese (Simplified), Dutch, French, German, Italian, 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

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, Dolby Digital (AC-3), Dolby Digital Plus (E-AC-3), 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 or Dolby Audio up to 1008 Kbps, 48kHz, stereo or multichannel 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 or Dolby Audio up to 1008 Kbps, 48kHz, stereo or multichannel 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

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)

iPad Air 2 may ship with iOS 9. iOS 10 will be available as a free download beginning September 13.

1. Available space is less and varies due to many factors. A standard configuration uses approximately 4GB to 6GB of space (including iOS and built-in apps) depending on the model and settings.
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. Data plan required. LTE and Wi-Fi calling are available in select markets and through select carriers. Speeds are based on theoretical throughput and vary based on site conditions and carrier. For details on LTE support, contact your carrier and see www.apple.com/ipad/LTE.
5. 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.
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 devices with initial activation on or after September 1, 2013. GarageBand is free on the App Store for qualifying devices with initial activation on or after September 1, 2014. Downloading apps requires an Apple ID and a device that is compatible with the iOS version required for each app.
9. Wireless broadband recommended; fees may apply.
10. 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.

Date de publication : May 10, 2023