

iPad (3rd generation) – Technical Specifications

Models

- Wi-Fi
- Wi-Fi + Cellular

Size and Weight¹

Wi-Fi

- Height: 9.50 inches (241.2 mm)
- Width: 7.31 inches (185.7 mm)
- Depth: 0.37 inch (9.4 mm)
- Weight: 1.44 pounds (652 g)

Wi-Fi + Cellular

- Height: 9.50 inches (241.2 mm)
- Width: 7.31 inches (185.7 mm)
- Depth: 0.37 inch (9.4 mm)
- Weight: 1.46 pounds (662 g)

Storage²

- 16GB
- 32GB
- 64GB

Display

- Retina display
- 9.7-inch (diagonal) LED-backlit glossy widescreen Multi-Touch display with IPS technology
- 2048-by-1536-pixel resolution at 264 pixels per inch (ppi)
- Fingerprint-resistant oleophobic coating
- Support for display of multiple languages and characters simultaneously

Chip

- Dual-core Apple A5X custom-designed, high-performance, low-power system-on-a-chip with quad-core graphics

Wireless and Cellular

Wi-Fi

- Wi-Fi (802.11a/b/g/n)
- Bluetooth 4.0 technology

Wi-Fi + Cellular

- Wi-Fi (802.11a/b/g/n)
- Bluetooth 4.0 technology
- Model for AT&T: 4G LTE (700, 2100 MHz)³; UMTS/HSPA/HSPA+/DC-HSDPA (850, 900, 1900, 2100 MHz); GSM/EDGE (850, 900, 1800, 1900 MHz)
- Model for Verizon: 4G LTE (700 MHz)³; CDMA EV-DO Rev. A (800, 1900 MHz); UMTS/HSPA/HSPA+/DC-HSDPA (850, 900, 1900, 2100 MHz); GSM/EDGE (850, 900, 1800, 1900 MHz)
- Data only⁴

Carriers

- AT&T
- Verizon

Cameras, Photos, and Video Recording

- 5-megapixel iSight camera
- Autofocus
- Tap to focus
- Face detection in still images
- Video recording, HD (1080p) up to 30 frames per second with audio
- Video stabilization
- FaceTime camera with VGA-quality photos and video at up to 30 frames per second
- Photo and video geotagging

Battery and Power⁵

Wi-Fi

- Built-in 42.5-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 42.5-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

Input and Output

Wi-Fi

- 30-pin dock connector port
- 3.5-mm stereo headphone minijack
- Built-in speaker
- Microphone

Wi-Fi + Cellular

- 30-pin dock connector port
- 3.5-mm stereo headphone minijack
- Built-in speaker
- Microphone
- Micro-SIM card tray

Sensors

- Accelerometer
- Ambient light sensor
- Cyroscope

Location

Wi-Fi

- Wi-Fi
- Digital compass

Wi-Fi + Cellular

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

Audio Playback

- Frequency response: 20Hz to 20,000Hz
- Audio formats supported: HE-AAC (V1 and V2), AAC (8 to 320 Kbps), Protected AAC (from iTunes Store), MP3 (8 to 320 Kbps), MP3 VBR, Audible (formats 2, 3, and 4, Audible Enhanced Audio, AAX, and AAX+), Apple Lossless, AIFF, and WAV
- User-configurable maximum volume limit
- Dolby Digital 5.1 surround sound pass-through with Apple Digital AV Adapter (sold separately)

TV and Video

- AirPlay Mirroring to Apple TV (2nd and 3rd generation) at 720p
- AirPlay video streaming to Apple TV (3rd generation) at up to 1080p and Apple TV (2nd generation) at up to 720p
- Video mirroring and video out support: Up to 1080p with Apple Digital AV Adapter or Apple VGA Adapter (adapters sold separately)
- Video out support at 576i and 480i with Apple Composite AV Cable (cable sold separately)
- Video formats supported: H.264 video up to 1080p, 30 frames per second, High 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

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)

Languages

- Language support for 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 for English (U.S.), English (UK), 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, Icelandic, Indonesian, Latvian, Lithuanian, Macedonian, Malay, Norwegian, Polish, Portuguese, Portuguese (Brazil), Romanian, Russian, Serbian (Cyrillic/Latin), Slovak, Swedish, Thai, Tibetan, Turkish, Ukrainian, Vietnamese
- Dictionary support (enables predictive text and autocorrect) for English (U.S.), English (UK), 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, Thai, Turkish, Ukrainian, Vietnamese
- Dictation support for English (U.S., UK, and Australian), French, German, Japanese

Accessibility

- VoiceOver screen reader
- Support for playback of closed-captioned content
- AssistiveTouch interface for adaptive accessories
- Full-screen zoom magnification
- Large fonts
- White on black display
- 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
- Maximum operating altitude: 10,000 feet (3000 m)

System Requirements

- Apple ID (required for some features)
- Internet access⁶
- Syncing with iTunes on a Mac or PC requires:
 - Mac: OS X v10.5.8 or later
 - PC: Windows 7; Windows Vista; or Windows XP Home or Professional with Service Pack 3 or later
 - iTunes 10.6 or later (free download from www.itunes.com/download)

In the Box

- iPad
- Dock Connector to USB Cable
- 10W USB Power Adapter
- Documentation

Built-in Apps

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

1. Actual size and weight vary by configuration and manufacturing process.
2. 1GB = 1 billion bytes; actual formatted capacity less.
3. 4G LTE is supported only on AT&T and Verizon networks in the U.S. and on Bell, Rogers, and Telus networks in Canada. See your carrier for details.
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. Testing conducted by Apple in February 2012 using preproduction iPad 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 songs, consisting of a combination of songs imported from the iTunes Store. Audio content was a playlist of 358 unique songs, consisting of a combination of songs imported from the iTunes Store. Audio content was a playlist of 358 unique songs, consisting of a combination of songs imported from the iTunes Store (256-Kbps AAC encoding). 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. Battery life depends on device settings, usage, and many other factors. Battery tests are conducted using specific iPad units; actual results may vary.
6. Wireless broadband recommended; fees may apply.