

# iPad 2 WiFi Specifications

## Size and Weight

- Height: 9.50 inches (241.2 mm)
- Width: 7.31 inches (185.7 mm)
- Depth: 0.34 inch (8.8 mm)
- Weight: 1.35 pounds (613 g)

## Wireless and Cellular

- UMTS/HSDPA/HSUPA (850, 900, 1900, 2100 MHz); GSM/EDGE (850, 900, 1800, 1900 MHz)
- Data only
- Wi-Fi (802.11a/b/g/n)
- Bluetooth 2.1 + EDR technology

## Display

- 9.7-inch (diagonal) LED-backlit glossy widescreen Multi-Touch display with IPS technology
- 1024-by-768-pixel resolution at 132 pixels per inch (ppi)
- Fingerprint-resistant oleophobic coating
- Support for display of multiple languages and characters simultaneously

## Chip

- 1GHz dual-core Apple A5 custom-designed, high-performance, low-power system-on-a-chip

## Cameras, Photos, and Video Recording

- Back camera: Video recording, HD (720p) up to 30 frames per second with audio; still camera with 5x digital zoom
- Front camera: Video recording, VGA up to 30 frames per second with audio; VGA-quality still camera

- Tap to control exposure for video or stills
- Photo and video geotagging over Wi-Fi

## **Power and Battery**

### **Wi-Fi + 3G**

- Built-in 25-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 3G data network
- Charging via power adapter or USB to computer system

## **Input/Output**

### **Wi-Fi + 3G**

- 30-pin dock connector port
- 3.5-mm stereo headphone minijack
- Built-in speaker
- Micro-SIM card tray (Wi-Fi + 3G model)
- Microphone

## **Sensors**

- Accelerometer
- Ambient light sensor
- Gyroscope

## **Location**

### **Wi-Fi + 3G**

- Wi-Fi
- Digital compass
- Assisted GPS
- 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 support at 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 576p and 480p with Apple Component AV Cable; 576i and 480i with Apple Composite AV Cable (cables 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), French (France), German, Traditional Chinese, Simplified Chinese,

Dutch, Italian, Spanish, Portuguese (Brazil), Portuguese (Portugal), Danish, Swedish, Finnish, Norwegian, Korean, Japanese, Russian, Polish, Turkish, Ukrainian, Hungarian, Arabic, Thai, Czech, Greek, Hebrew, Indonesian, Malay, Romanian, Slovak, Croatian, Catalan, and Vietnamese

- Keyboard support for English (U.S.), English (UK), French (France), French (Canadian), French (Switzerland), German, Traditional Chinese (Handwriting, Pinyin, Zhuyin, Cangjie, Wubihua), Simplified Chinese (Handwriting, Pinyin, Wubihua), Dutch, Italian, Spanish, Portuguese (Brazil), Portuguese (Portugal), Danish, Swedish, Finnish, Norwegian, Korean, Japanese (Romaji, Ten Key), Japanese (Kana), Russian, Polish, Turkish, Ukrainian, Estonian, Hungarian, Icelandic, Lithuanian, Latvian, Flemish, Arabic, Thai, Czech, Greek, Hebrew, Indonesian, Malay, Romanian, Slovak, Croatian, Bulgarian, Serbian (Cyrillic/Latin), Catalan, Vietnamese, Tibetan, Macedonian, and Cherokee
- Dictionary support (enables predictive text and autocorrect) for English (U.S.), English (UK), French, German, Traditional Chinese, Simplified Chinese, Dutch, Italian, Spanish, Portuguese (Brazil), Portuguese (Portugal), Danish, Swedish, Finnish, Norwegian, Korean, Japanese (Romaji), Japanese (Kana), Russian, Polish, Turkish, Ukrainian, Hungarian, Lithuanian, Flemish, Arabic, Thai, Czech, Greek, Hebrew, Indonesian, Malaysian, Romanian, Slovak, Croatian, Catalan, Vietnamese, and Cherokee

## **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 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

## System Requirements

- Apple ID (required for some features)
- Internet access<sup>5</sup>
- 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 10.5 or later (free download from [www.itunes.com/download](http://www.itunes.com/download))

## In the Box

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

## Built-in Apps

- Safari
- Photos
- App Store
- Maps
- Photo Booth
- Reminders
- Camera
- Mail
- FaceTime
- iTunes
- Music
- Clock
- Calendar
- Messages
- Newsstand
- Videos

- Game Center
- Contacts
- Notes