

Apple iPad - Technical Specifications

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Here is the list of technical specifications of Apple's iPad. A large, high-resolution LED-backlit IPS display. An incredibly responsive Multi-Touch screen. And an amazingly powerful Apple-designed chip. All in a design that's thin and light enough to take anywhere. iPad isn't just the best device of its kind. It's a whole new kind of device.

iPad Size and Weight

- Height: 9.56 inches (242.8 mm)

- Width: 7.47 inches (189.7 mm)
- Depth: 0.5 inch (13.4 mm)
- Weight: 1.5 pounds (0.68 kg) Wi-Fi model; 1.6 pounds (0.73 kg) Wi-Fi + 3G model

iPad 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

Wireless and Cellular

iPad Wi-Fi model

- Wi-Fi (802.11a/b/g/n)
- Bluetooth 2.1 + EDR technology

iPad Wi-Fi + 3G model

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

Location Services on iPad

- Wi-Fi
- Digital compass
- Assisted GPS (Wi-Fi + 3G model)
- Cellular (Wi-Fi + 3G model)

In the iPad Box

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

iPad Storage Capacity

- 16GB, 32GB, or 64GB flash drive

iPad Processor

- 1GHz Apple A4 custom-designed, high-performance, low-power system-on-a-chip

iPad Sensors

- Accelerometer
- Ambient light sensor

iPad Audio Playback

- Frequency response: 20Hz to 20,000Hz
- Audio formats supported: AAC (16 to 320 Kbps), Protected AAC (from iTunes Store), MP3 (16 to 320 Kbps), MP3 VBR, Audible (formats 2, 3, and 4), Apple Lossless, AIFF, and WAV
- User-configurable maximum volume limit

TV and Video on iPad

- Support for 1024 by 768 pixels with Dock Connector to VGA Adapter; 576p and 480p with Apple Component AV Cable; 576i and 480i with Apple Composite Cable
- H.264 video up to 720p, 30 frames per second, Main Profile level 3.1 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, 48kHz, stereo audio in .m4v, .mp4, and .mov file formats

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)

iPad Languages

- Language support for English, French, German, Japanese, Dutch, Italian, Spanish, Simplified Chinese, Russian
- Keyboard support for English (U.S.) English (UK), French (France, Canada), German, Japanese (QWERTY), Dutch, Flemish, Spanish, Italian, Simplified Chinese (Handwriting and Pinyin), Russian
- Dictionary support for English (U.S.), English (UK), French, French (Canadian), French (Swiss), German, Japanese, Dutch, Flemish, Spanish, Italian, Simplified Chinese (Handwriting and Pinyin), Russian

Accessibility Options in iPad

- Support for playback of closed-captioned content
- VoiceOver screen reader
- Full-screen zoom magnification
- White on black display
- Mono audio

iPad Battery and Power

- Built-in 25 Work hours 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

iPad Input and Output

- Dock connector
- 3.5-mm stereo headphone jack
- Built-in speakers
- Microphone
- SIM card tray (Wi-Fi + 3G model only)

iPad External Buttons and Controls



Mac System Requirements for iPad

- Mac computer with USB 2.0 port
- Mac OS X v10.5.8 or later
- iTunes 9.0 or later (free download from www.itunes.com/download)
- iTunes Store account

- Internet access

Windows System Requirements for iPad

- PC with USB 2.0 port
- Windows 7; Windows Vista; or Windows XP Home or Professional with Service Pack 3 or later
- iTunes 9.0 or later (free download from www.itunes.com/download)
- iTunes Store account
- Internet access

Environmental Requirements for iPad

- 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)

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