Tech Specs	

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

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

Power and Battery
- 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[1]
- Up to 9 hours of surfing the web using cellular data network[1]
- Charging via power adapter or USB to computer system

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

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)

Camera, Photos, and Video
- 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

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

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

Location
- Digital compass
- Wi-Fi

Accessibility
- VoiceOver screen reader
- Support for playback of closed-captioned content
- AssistiveTouch interface for adaptive accessories
- Full-screen zoom magnification
- White on black display
- Left/right volume adjustment

Size and weight
- Height: 9.50 inches (241.2 mm)
- Width: 7.31 inches (185.7 mm)
- Depth: 0.37 inch (9.41 mm)
- Weight: Wi-Fi only 1.44 pounds (652 g) / Wi-Fi + Cellular 1.46 pounds (662 g)[2]

System Requirements
- Apple ID (required for some features)
- Internet access[3]
- 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

Environmental Requirements

Operating ambient temperature: 0° to 35° C (32° to 95° F), Non-operating temperature: –20° to 45° C (–4° to 113° F), Relative humidity: 5% to 95% non-condensing and Maximum operating altitude: 10,000 feet (3000 m).
iPad embodies Apple's continuing environmental progress. It is designed with the following features to reduce environmental impact:

- Mercury-free LCD display
- Arsenic-free display glass
- BFR-free
- PVC-free
- Recyclable aluminum and glass enclosure