Finish

Space Gray

Silver

Models

Wi-Fi

Wi-Fi + Cellular

Weight and Dimensions[2]

Height: 7.87 inches (200 mm)

Width: 5.3 inches (134.7 mm)

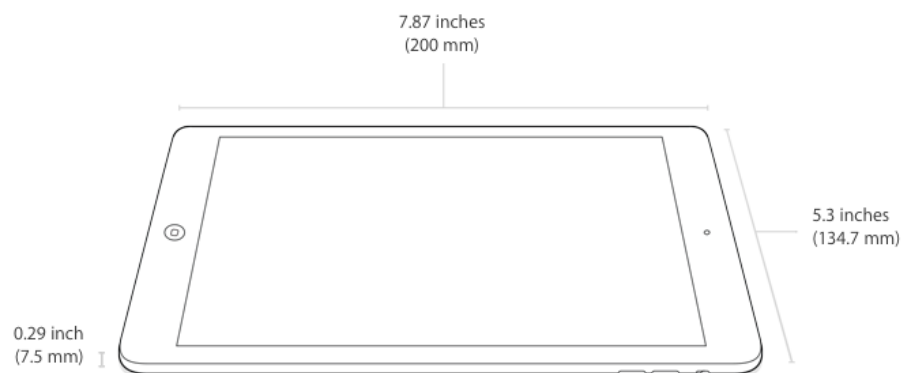**Depth:** 0.29 inch (7.5 mm)
Weight: 0.73 pound (331 g)

Height: 7.87 inches (200 mm)

Width: 5.3 inches (134.7 mm)

Depth: 0.29 inch (7.5 mm)
Weight: 0.75 pound (341 g)

7.87 inches
(200 mm)

5.3 inches
(134.7 mm)

0.29 inch
(7.5 mm)

Display

Retina display

7.9-inch (diagonal) LED-backlit Multi-Touch display with IPS technology

2048-by-1536 resolution at 326 pixels per inch (ppi)
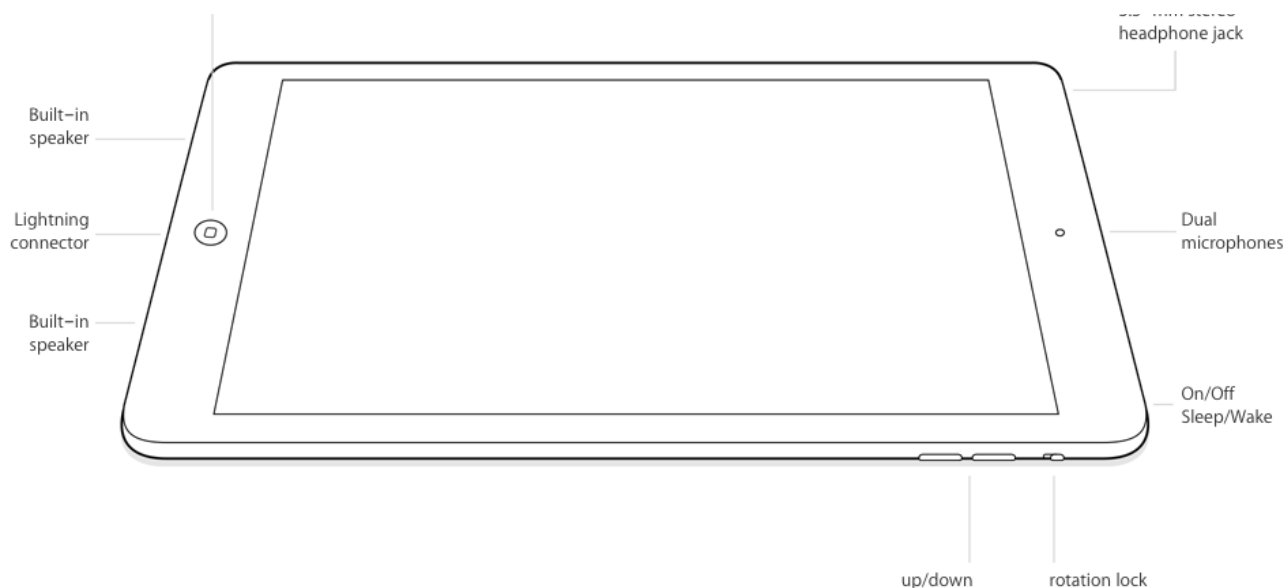
Fingerprint-resistant oleophobic coating

Chip

A7 chip with 64−bit architecture and M7 motion coprocessor

Cameras, Photos, and Video Recording

iSight Camera	**Video Recording**	**FaceTime HD Camera**
5MP photos	1080p HD video recording	1.2MP photos
Autofocus	Video stabilization	720p HD video
Face detection	Face detection	Face detection
Backside illumination Five-element lens	Tap to focus while recording	Backside illumination Tap to control exposure for video or still images
Hybrid IR filter	Backside illumination	Photo and video geotagging
ƒ/2.4 aperture	3x video zoom	
Tap to focus video or still images	Time-lapse video	
Tap to control exposure for video or still images		
Photo and video geotagging		
HDR photos		
Panorama		

Cellular and Wireless

Wi−Fi model	**Wi−Fi + Cellular model**
Wi−Fi (802.11a/b/g/n); dual channel (2.4GHz and 5GHz) and MIMO	Wi−Fi (802.11a/b/g/n); dual channel (2.4GHz and 5GHz) and MIMO
Bluetooth 4.0 technology	Bluetooth 4.0 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)[3]
	Data only[4]

Location	Wi–Fi	Wi–Fi
	Digital compass	Digital compass
		Assisted GPS and GLONASS
		Cellular
Video Calling[5]	FaceTime video	FaceTime video
	iPad mini to any FaceTime-enabled device over Wi–Fi	iPad mini to any FaceTime-enabled device over Wi–Fi or cellular
Audio Calling[5]	FaceTime audio	FaceTime audio
	iPad mini to any FaceTime-enabled device over Wi–Fi	iPad mini to any FaceTime-enabled device over Wi–Fi or cellular

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, 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 1080p, 60 frames per second, High Profile level 4.2 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

Intelligent Assistant[6]

Siri — Use your voice to send messages, set reminders, and more

Use hands-free

Listen and identify songs

Learn more about Siri ›

External Buttons and Connectors

Home

3.5–mm stereo

Built-in speaker

Lightning connector

Built-in speaker

3.5-mm stereo headphone jack

Dual microphones

On/Off Sleep/Wake

up/down   rotation lock

Power and Battery[7]

Built-in 23.8-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

Built-in 23.8-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

Sensors

Three-axis gyro

Accelerometer

Ambient light sensor

Three-axis gyro

Accelerometer
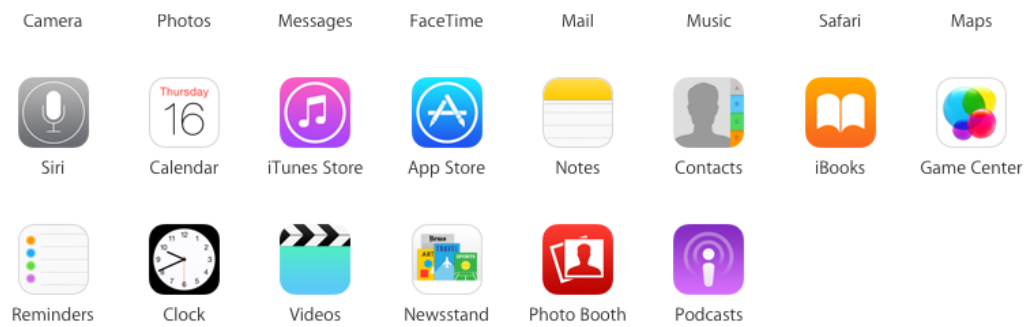
Ambient light sensor

Operating System

iOS 8

With amazing new capabilities and updates to features you use every day, iOS 8 is the biggest iOS release ever. Learn more about iOS 8 ›
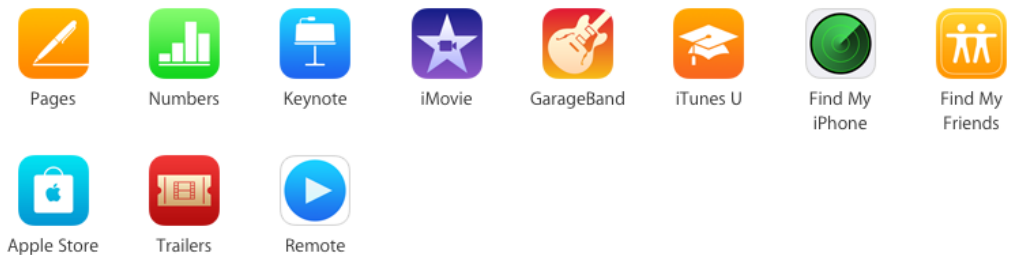
iOS 8 includes

- AirDrop
- AirPlay
- Control Center
- Family Sharing

- iCloud Drive
- iTunes Radio
- Multitasking
- Notification Center

- QuickType keyboard
- Siri
- Spotlight Search

Built-in Apps

	Camera	Photos	Messages	FaceTime	Mail	Music	Safari	Maps
	Siri	Calendar	iTunes Store	App Store	Notes	Contacts	iBooks	Game Center
	Reminders	Clock	Videos	Newsstand	Photo Booth	Podcasts		

Free Apps from Apple[8]

Pages	Numbers	Keynote	iMovie	GarageBand	iTunes U	Find My iPhone	Find My Friends
Apple Store	Trailers	Remote					

Connector

Lightning

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

System Requirements

Apple ID (required for some features)

Internet access[9]

Syncing with iTunes on a Mac or PC requires:

- Mac: OS X v10.6.8 or later

- PC: Windows 8; Windows 7; Windows Vista; or Windows XP Home or Professional with Service Pack 3 or later

- iTunes (free download from www.itunes.com/download)

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)

.

Languages

Language support

English (Australia, Canada, UK, U.S.), Chinese (Simplified, Traditional, Traditional Hong Kong), French (Canada, France), German, Italian, Japanese, Korean, Spanish (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, UK, U.S.), Chinese - Simplified (Handwriting, Pinyin, Stroke), Chinese - Traditional (Cangjie, Handwriting, Pinyin, Stroke, Sucheng, Zhuyin), French (Canada, France, Switzerland), German (Germany, Switzerland), Italian, Japanese (Kana, Romaji), Korean, Spanish, Arabic, Bengali, Bulgarian, Catalan, Cherokee, Croatian, Czech, Danish, Dutch, Emoji, Estonian, Filipino, Finnish, Flemish, Greek, Hawaiian, Hebrew, Hindi, Hungarian, Icelandic, Indonesian, Latvian, Lithuanian, Macedonian, Malay, Marathi, Norwegian, Polish, Portuguese (Brazil, Portugal), Romanian, Russian, Serbian (Cyrillic, Latin), Slovak, Slovenian, Swedish, Tamil, Thai, Turkish, Ukrainian, Urdu, Vietnamese

QuickType keyboard support with predictive input[10]

English (Australia, Canada, India, UK, U.S.), Chinese (Simplified, Traditional), French (Canada, France, Switzerland), German (Germany, Switzerland), Italian, Japanese, Spanish, Portuguese (Brazil), Thai

Siri languages

English (Australia, Canada, UK, U.S.), Spanish (Mexico, Spain, U.S.), French (Canada, France, Switzerland), German (Germany, Switzerland), Italian (Italy, Switzerland), Japanese, Korean, Mandarin (Mainland China, Taiwan), Cantonese (Hong Kong)

Dictation languages

English (Australia, Canada, India, UK, U.S.), Spanish (Mexico, Spain, U.S.), French (Canada, France, Switzerland), German (Germany, Switzerland), Italian (Italy, Switzerland), Japanese, Korean, Mandarin (Mainland China, Taiwan), Cantonese (Hong Kong), Catalan, Croatian, Czech, Danish, Dutch, Finnish, Greek, Hungarian, Indonesian, Malaysian, Norwegian, Polish, Portuguese (Brazil, Portugal), Romanian, Russian, Slovakian, Swedish, Turkish, Thai, Ukrainian, Vietnamese

Definition dictionary support

English, Chinese (Simplified), French, German, Italian, Japanese, Korean, Spanish, Dutch, Portuguese (Brazil), Russian, Thai, Turkish

Bilingual dictionary support

Simplified Chinese, Japanese, Korean, Spanish

Spell check

English (Australia, Canada, UK, U.S.), French, German, Italian, Spanish, Danish, Dutch, Polish, Portuguese (Brazil, Portugal), Russian, Swedish, Turkish