Weight and Dimensions[7]

6.6 inches
(169.5 mm)

9.4 inches
(240 mm)

0.29 inch
(7.5 mm)

Height: 9.4 inches (240 mm)
Width: 6.6 inches (169.5 mm)
Depth: 0.29 inch (7.5 mm)
Weight: 1.05 pounds (478 g)

Display

Retina display

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

2048-by-1536 resolution at 264 pixels per inch (ppi)

Fingerprint-resistant oleophobic coating

Chip

A7 chip with 64-bit architecture and M7 motion coprocessor

Wireless

(2.4GHz and 5GHz) and MIMO

Bluetooth 4.0 technology

UMTS/HSPA/HSPA+/DC-HSDPA (850, 900, 1700/2100, 1900, 2100 MHz); GSM/EDGE (850, 900, 1800, 1900 MHz)

(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)[1]

Data only[8]

Cameras, Photos, and Video Recording

FaceTime HD Camera

1.2MP photos

720p HD video

FaceTime video calling over Wi-Fi or cellular[9]

Face detection

Backside illumination

Tap to control exposure for video or still images

Photo and video geotagging

Video Recording

1080p HD video recording

Video stabilization

Face detection

Tap to focus while recording

Backside illumination

3x video zoom

iSight Camera

5MP photos

Autofocus

Face detection

Backside illumination

Five-element lens

Hybrid IR filter

$f/2.4$ aperture

Tap to focus video or still images

Tap to control exposure for video or still images

Photo and video geotagging

HDR photos

External Buttons and Connectors

External Buttons and Controls

On/Off
Sleep/Wake

rotation lock

Home

Volume up/down

Connectors and Input/Output

Dual microphones

3.5-mm stereo headphone minijack

Lightning connector

Built-in speakers

Power and Battery[2]

Built-in 32.4-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 10W power adapter or USB to computer system

Input/Output

3.5-mm stereo headphone minijack

Built-in speakers

Dual microphones

Nano-SIM card tray

Connector

Lightning

Sensors

Three-axis gyro

Accelerometer

Ambient light sensor

Operating System

iOS 8

iOS 8 is the biggest iOS release ever. Learn more about iOS 8 ›

iOS 8 includes:

- AirDrop
- Control Center
- iTunes Radio
- QuickType keyboard

- AirPlay
- Family Sharing
- Multitasking
- Siri

- AirPrint
- iCloud Drive
- Notification Center
- Spotlight Search

Built-in Apps

Camera   Photos   Messages   FaceTime   Mail   Music
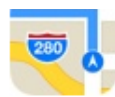
Safari	Maps	Siri	Calendar	iTunes Store	App Store
Notes	Contacts	iBooks	Game Center	Reminders	Clock
Videos	Newsstand	Photo Booth	Podcasts		
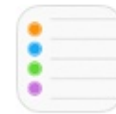
Free Apps from Apple[10]

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

Digital compass

Assisted GPS and GLONASS

Cellular

Video Calling[9]

FaceTime

iPad Air to any FaceTime-enabled device over Wi-Fi or cellular

Audio Calling[9]

FaceTime

iPad Air 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

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

Languages

View complete language support >

Intelligent Assistant[11]

Siri

Use your voice to send messages, set reminders, and more.

Accessibility

VoiceOver screen reader

Guided Access

Switch Control

Support for playback of closed-captioned content

AssistiveTouch

Full-screen zoom magnification

Larger type

Bold text

Increase contrast

Reduce motion

On/Off labels

Invert colors

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

Operating altitude: tested up to 10,000 feet (3000 m)

System Requirements

Apple ID (required for some features)

Internet access[12]

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)