

iPad

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Finish



Silver



Space Gray

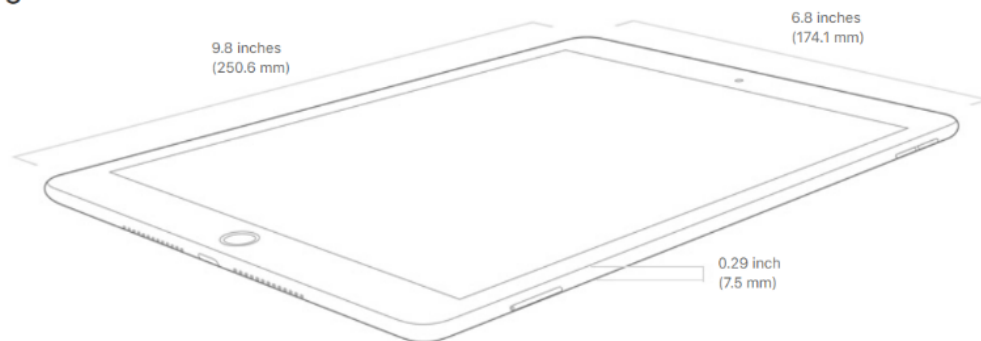


Gold

Capacity<sup>1</sup>

32GB  
128GB

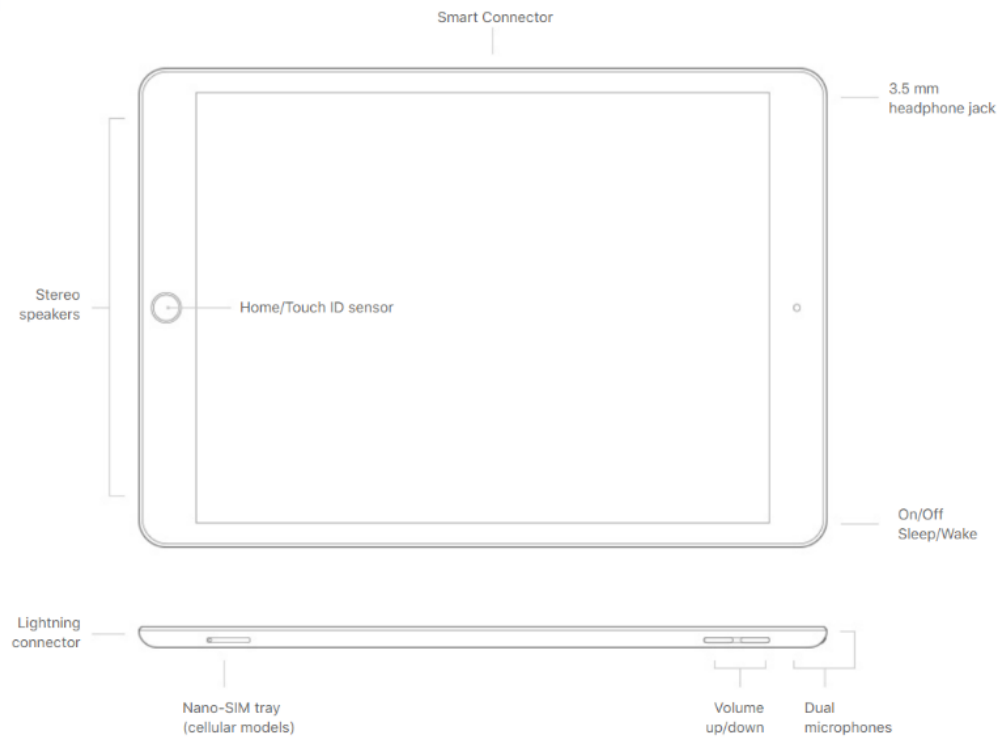
Size and Weight<sup>2</sup>



**Wi-Fi models**  
1.07 pounds (483 grams)

**Wi-Fi + Cellular models**  
1.09 pounds (493 grams)

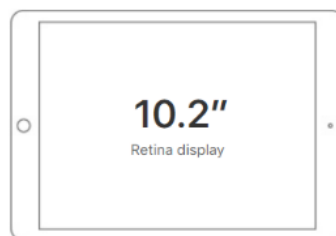
## Buttons and Connectors



## In the Box

iPad  
Lightning to USB Cable  
USB Power Adapter

## Display



### Retina display

10.2-inch (diagonal) LED-backlit Multi-Touch display with IPS technology  
2160-by-1620-pixel resolution at 264 pixels per inch (ppi)  
500 nits brightness  
Fingerprint-resistant oleophobic coating  
Supports Apple Pencil (1st generation)

## Chip



A10 Fusion chip with 64-bit architecture  
Embedded M10 coprocessor



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## Camera

8-megapixel camera  
*f*/2.4 aperture  
Five-element lens  
Hybrid IR filter  
Backside illumination  
Live Photos  
Autofocus  
Panorama (up to 43 megapixels)  
HDR for photos  
Exposure control  
Burst mode  
Tap to focus  
Timer mode  
Auto image stabilization  
Body and face detection  
Photo geotagging

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## Video Recording

1080p HD video recording at 30 fps  
Slo-mo video support for 720p at 120 fps  
Time-lapse video with stabilization  
Video image stabilization  
Body and face detection  
3x video zoom  
Video geotagging

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## FaceTime HD Camera

1.2-megapixel photos  
*f*/2.2 aperture  
Retina Flash  
Backside illumination  
Live Photos  
720p HD video recording  
HDR for photos and videos  
Body and face detection  
Burst mode  
Exposure control  
Timer mode



### Video Calling<sup>3</sup>

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

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### Audio Calling<sup>3</sup>

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

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### Speakers

Stereo speakers

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### Microphones

Dual microphones for calls, video recording, and audio recording

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### Cellular and Wireless

#### All models

Wi-Fi (802.11a/b/g/n/ac); dual band (2.4GHz and 5GHz); HT80 with MIMO  
Bluetooth 4.2 technology

#### Wi-Fi + Cellular models

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

Gigabit-class LTE (Bands 1, 2, 3, 4, 5, 7, 8, 11, 12, 13, 14, 17, 18, 19, 20, 21, 25, 26, 29, 30, 34, 38, 39, 40, 41, 66, 71)<sup>4</sup>

Data only<sup>5</sup>

Wi-Fi calling<sup>4</sup>

eSIM<sup>6</sup>

[Learn more about cellular data >](#)

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### SIM Card

Nano-SIM (supports Apple SIM<sup>6</sup>)  
eSIM<sup>6</sup>

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### Location

#### All models

Digital compass

Wi-Fi

iBeacon microlocation

#### Wi-Fi + Cellular models

Built-in GPS/GNSS

Cellular

## Sensors

Touch ID  
Three-axis gyro  
Accelerometer  
Barometer  
Ambient light sensor

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## Touch ID

Unlock iPad  
Secure personal data within apps  
Make purchases from the iTunes Store, App Store, and Apple Books

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## Apple Pay

Pay with your iPad using Touch ID within apps and on the web  
Send and receive money in Messages  
[Learn more about Apple Pay >](#)

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## Siri<sup>7</sup>

Use your voice to send messages, set reminders, and more  
Get proactive suggestions  
Use hands-free  
Listen and identify songs  
[Learn more about Siri >](#)

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## Power and Battery<sup>8</sup>

**All models**  
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  
Charging via power adapter or USB to computer system

**Wi-Fi + Cellular models**  
Up to 9 hours of surfing the web using cellular data network

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## Operating System



**iPadOS**  
iPadOS comes with powerful features and built-in apps designed to take advantage of the unique capabilities of iPad.\*

[See what's new in iPadOS >](#)

## Accessibility

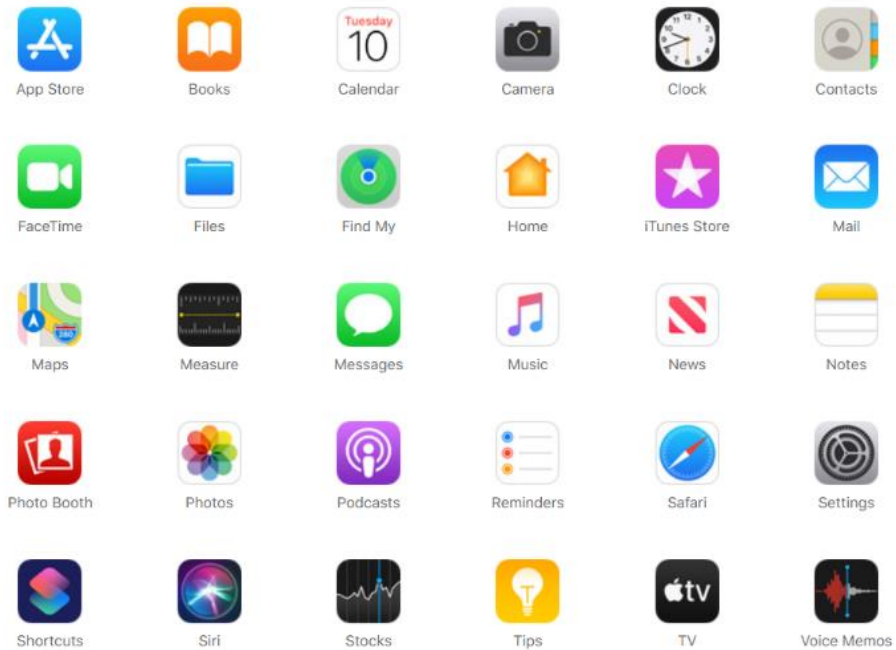
Accessibility features help people with disabilities get the most out of their new iPad. With built-in support for vision, hearing, mobility, and learning, you can create and do amazing things.

[Learn more >](#)

### Features include:

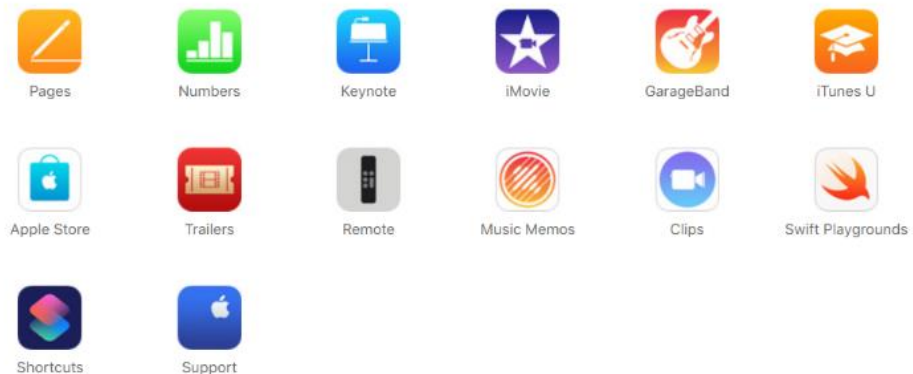
- Voice Control
- VoiceOver
- Zoom
- Magnifier
- Siri and Dictation
- Switch Control
- Closed Captions
- AssistiveTouch
- Speak Screen

## Built-in Apps



## Free Apps from Apple

Pages, Numbers, Keynote, iMovie, GarageBand, iTunes U, Clips, Shortcuts, and Apple Store app are preinstalled on iPad.



## System Requirements

Apple ID (required for some features)

Internet access<sup>9</sup>

### Syncing to a Mac or PC requires:

- macOS Catalina 10.15 using the Finder
- macOS El Capitan 10.11.6 through macOS Mojave 10.14.6 using iTunes 12.8 or later
- Windows 7 or later using iTunes 12.10 or later (free download from [www.itunes.com/download](http://www.itunes.com/download))

## Audio Playback

Audio formats supported: AAC (8 to 320 Kbps), Protected AAC (from iTunes Store), HE-AAC, MP3 (8 to 320 Kbps), MP3 VBR, Dolby Digital (AC-3), Dolby Digital Plus (E-AC-3), 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 4K, 30 frames per second, High Profile level 4.2 with AAC-LC audio up to 160 Kbps, 48kHz, stereo audio or Dolby Audio up to 1008 Kbps, 48kHz, stereo or multichannel 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 or Dolby Audio up to 1008 Kbps, 48kHz, stereo or multichannel 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

\* Some features will be available on September 24, 2019, with iPadOS.

\*\* Trade-in value based on an iPad 6 128GB. Trade-in values may vary based on the condition and model of your iPad trade-in. Must be at least 18. Offer may not be available in all stores and not all devices are eligible for credit. Apple reserves the right to refuse or limit the quantity of any device for any reason. Value of your current device may be applied toward purchase of a new Apple device. Additional terms at [apple.com/trade-in](http://apple.com/trade-in).

1. Available space is less and varies due to many factors. A standard configuration uses approximately 10GB to 13GB of space (including iPadOS and preinstalled apps) depending on the model and settings. Preinstalled apps use about 4GB, and you can delete these apps and restore them. Storage capacity subject to change based on software version and may vary by device.
2. Size and weight vary by configuration and manufacturing process.
3. FaceTime calling requires a FaceTime-enabled device for the caller and recipient and a Wi-Fi connection. Availability over a cellular network depends on carrier policies; data charges may apply.
4. Data plan required. Gigabit-class LTE and Wi-Fi calling are available in select markets and through select carriers. Speeds are based on theoretical throughput and vary based on site conditions and carrier. For details on LTE support, contact your carrier and see [apple.com/ipad/LTE](http://apple.com/ipad/LTE).
5. Cellular data plan is sold separately. The model you purchase is configured to work with a particular cellular network technology. Check with your carrier for compatibility and cellular data plan availability.
6. Not all carriers support Apple SIM and eSIM. See your carrier for details. Not available in China mainland.
7. Siri may not be available in all languages or in all areas, and features may vary by area. Internet access required. Cellular data charges may apply.
8. Testing conducted by Apple in August 2019 using preproduction iPad (7th generation) units and software. Testing consisted of full battery discharge while performing each of the following tasks: video playback, audio playback, and internet browsing using Wi-Fi or cellular data network. Video content was a repeated 2-hour 23-minute movie purchased from the iTunes Store. Audio content was a playlist of 358 unique audio tracks purchased from the iTunes Store. Internet over Wi-Fi and cellular data network tests were conducted using dedicated web and mail servers, browsing snapshot versions of 20 popular web pages, and receiving mail once an hour. All settings were default except: Wi-Fi was associated with a network (except for internet browsing over cellular data network); the Wi-Fi feature Ask to Join Networks and Auto-Brightness were turned off; Brightness was set to 50%; and WPA2 encryption was enabled. Battery life depends on device settings, usage, and many other factors. Battery tests are conducted using specific iPad units; actual results may vary.
9. Wireless broadband recommended; fees may apply.