

# iPadOS 13

**iPadOS 13** is the first major release of the iPadOS mobile operating system developed by Apple Inc. for their iPad line of tablet computers. The successor to iOS 12 on those devices, it was announced at the company's 2019 Worldwide Developers Conference (WWDC),<sup>[8]</sup> as a derivation from iOS, with a greater emphasis on multitasking. It was released on September 24, 2019. It was succeeded by iPadOS 14, released on September 16, 2020.

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## History

The first iPad was released in 2010 and ran iPhone OS 3.2, which added support for the larger device to the operating system, previously only used on the iPhone and iPod Touch. This shared operating system was rebranded as "iOS" with the release of iOS 4.<sup>[9]</sup>

The operating system initially had rough feature parity running on the iPhone, iPod Touch, and iPad, with variations in user interface depending on screen size, and minor differences in the selection of apps included.<sup>[10]</sup> However, over time, the variant of iOS for the iPad incorporated a growing set of differentiating features, such as picture-in-picture, the ability to display multiple running apps simultaneously (both introduced with iOS 9 in 2015), drag and drop, and a dock that more closely resembled the one in macOS than the one on the

iPadOS 13	
iPadOS	
Developer	<u>Apple Inc.</u>
Written in	<u>C</u> , <u>C++</u> , <u>Objective-C</u> , <u>Swift</u> , <u>assembly language</u>
OS family	<u>Unix-like</u> , based on <u>Darwin</u> ( <u>BSD</u> ), <u>iOS</u>
Working state	Current
Source model	<u>Closed</u> with <u>open-source</u> components
Initial release	September 24, 2019 <sup>[1]</sup>
Latest release	13.7 <sup>[2]</sup> (17H35) <sup>[3]</sup> (September 1, 2020) <span>[±]</span> ( <a href="https://en.wikipedia.org/w/index.php?title=Template:Latest_stable_software_release/iPadOS_13&amp;action=edit">https://en.wikipedia.org/w/index.php?title=Template:Latest_stable_software_release/iPadOS_13&amp;action=edit</a> )
Marketing target	<u>Tablet computers</u>
Available in	40 languages <sup>[4]</sup> <sup>[5]</sup> <sup>[6]</sup> <sup>[7]</sup>
Update method	<u>OTA</u> , <u>Software Update</u> , <u>App Store</u>
Platforms	<u>iPad Air 2</u> <u>iPad Air (3rd generation)</u> <u>iPad (5th generation)</u>

iPhone (added in 2017 with iOS 11). Standard iPad apps were increasingly designed to support the optional use of a keyboard.

To emphasize the different feature set available on the iPad, and to signal their intention to develop the platforms in divergent directions, at WWDC 2019 Apple announced that the variant of iOS that runs on the iPad would be rebranded as "iPadOS." The new naming strategy began with iPadOS 13.1, in 2019.<sup>[8]</sup>

## Updates

The releases of iPadOS 13 began with 13.1; 13.0 was never publicly released, even though beta testing for iPadOS 13 started with 13.0.

iPad (6th generation)

iPad (7th generation)

iPad Mini 4

iPad Mini (5th generation)

iPad Pro 9.7-inch

iPad Pro 10.5-inch

iPad Pro 11-inch (2018) (1st generation)

iPad Pro 11-inch (2020) (2nd generation)

iPad Pro 12.9-inch (2015) (1st generation)

iPad Pro 12.9-inch (2017) (2nd generation)

iPad Pro 12.9-inch (2018) (3rd generation)

iPad Pro 12.9-inch (2020) (4th generation)

<b><u>Kernel type</u></b>	Hybrid (XNU)
<b><u>Default user interface</u></b>	Cocoa Touch (multi-touch, GUI)
<b><u>License</u></b>	Proprietary software except for open-source components
<b><u>Preceded by</u></b>	iOS 12
<b><u>Succeeded by</u></b>	iPadOS 14
<b><u>Official website</u></b>	iPadOS 13 ( <a href="http://s://web.archive.org/web/20200911170941/https://www.apple.com/ipados/">http s://web.archive.org/web/20200911170941/https://www.apple.com/ipados/</a> ) at the

[Wayback Machine](#)  
(archived September 11, 2020)

#### Support status

Third party application support

#### Articles in the series

[iOS 13](#) (derived from)

Version	Release Date	Reference	Notes
13.1	September 24, 2019	[11]	Initial release on <a href="#">iPad (7th generation)</a>
13.1.1	September 27, 2019	[12]	
13.1.2	September 30, 2019	[13]	
13.1.3	October 15, 2019	[14]	
13.2	October 28, 2019	[15]	
13.2.2	November 7, 2019	[16]	
13.2.3	November 18, 2019	[17]	
13.3	December 10, 2019	[18]	
13.3.1	January 28, 2020	[19]	
13.4	March 24, 2020	[20]	Adds complete support for mice and trackpads, previously an accessibility feature only.  Initial release on <a href="#">iPad Pro (4th generation)</a>
13.4.1	April 7, 2020	[21]	
13.5	May 20, 2020	[22]	
13.5.1	June 1, 2020	[23]	
13.6	July 15, 2020	[24]	
13.6.1	August 12, 2020	[25]	
13.7	September 1, 2020	[26]	Bug fixes

Legend:  Past  Current  Beta

## Features

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## Home Screen

Unlike previous versions of iOS, the icon grid displays up to five rows and six columns of apps, regardless of whether the device is in portrait or landscape orientation. The first page of the home screen can be configured to show a column of widgets from applications for easy access. Spotlight Search is no longer part of the widgets but can still be accessed by swiping down from the center of the home screen or pressing Command + Space on a connected keyboard.

## Multitasking

iPadOS features a multitasking system developed with more capabilities compared to iOS, with features like Slide Over and Split View that make it possible to use multiple different applications simultaneously. Double-clicking the Home Button or swiping up from the bottom of the screen and pausing will display all currently active spaces. Each space can feature a single app, or a Split View featuring two apps. The user can also swipe left or right on the Home Indicator to go between spaces at any time, or swipe left/right with four fingers.

While using an app, swiping up slightly from the bottom edge of the screen will summon the Dock, where apps stored within can be dragged to different areas of the current space to be opened in either Split View or Slide Over. Dragging an app to the left or right edge of the screen will create a Split View, which will allow both apps to be used side-by-side. The size of the two apps in Split View can be adjusted by dragging a pill shaped icon in the center of the vertical divider and dragging the divider all the way to one side of the screen closes the respective app. If the user drags an app from the dock over the current app, it will create a floating window called Slide Over which can be dragged to either the left or right side of the screen. A Slide Over window can be hidden by swiping it off the right side of the screen, and swiping left from the right edge of the screen will restore it. Slide Over apps can also be cycled between by swiping left or right on the Home Indicator in the Slide Over window and pulling up on it will open an app switcher for Slide Over windows. A pill shaped icon at the top of apps in Split View or Slide Over allows them to be switched in and out of Split View and Slide Over.

The user can now have several instances of a single app open at once. A new mode similar to macOS's Mission Control has been added which allows the user to see all of the instances of an app.<sup>[27]</sup>

In many applications, a notable exception being YouTube, videos can be shrunk down into a picture-in-picture window so the user can continue watching it while using other apps. This window containing the video can be resized by pinching and spreading and can be docked to any of the four corners of the screen. It can also be hidden by swiping it off the side of the screen and is denoted by an arrow at the edge where the video is hidden and swiping it will bring it back onscreen.

## Safari

iPadOS Safari now shows desktop versions of websites by default, includes a download manager, and has 30 new keyboard shortcuts if an external keyboard is connected.<sup>[28][29][30][31]</sup>

## Sidecar

Sidecar allows for an iPad to function as a second monitor for macOS, named in reference to articulated motorcycles. When using Sidecar, the Apple Pencil can be used to emulate a graphics tablet for applications like Photoshop.<sup>[32]</sup> This feature is supported only on iPads compatible with the Apple Pencil.<sup>[33]</sup>

## Storage

In addition to accessing local storage for general use, iPadOS allows external storage, such as USB flash drives, portable hard drives, and solid state drives to be connected to an iPad via the Files app. The iPad Pro (3rd generation) connects over USB-C, while the Lightning Camera Connection Kit can be used with previous iPads.<sup>[34]</sup>

## Mouse and trackpad support

Support for mice and trackpads was available since the first public release, albeit as an accessibility feature only. Complete support was added in version 13.4, which included multitouch gestures for trackpads, and allowed third party apps to implement new features supporting mice and trackpads.<sup>[35]</sup>

## Supported devices

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iPadOS 13 supports iPads with an Apple A8 or A8X chip or later, removing support for devices with the A7 chip including the first-generation iPad Air and the iPad Mini 2 and iPad Mini 3. Devices supported by iPadOS 13 include:

- iPad Air 2
- iPad Air (3rd generation)
- iPad (5th generation)
- iPad (6th generation)
- iPad (7th generation)
- iPad Mini 4
- iPad Mini (5th generation)
- All iPad Pro models

An upgrade to iPadOS is automatically offered to supported devices.<sup>[36]</sup>

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## External links

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- [iPadOS \(https://www.apple.com/ipados\)](https://www.apple.com/ipados) – official site
- [iPadOS \(https://developer.apple.com/ipad\)](https://developer.apple.com/ipad) – official developer site
- [iOS Reference Library \(https://developer.apple.com/library/ios/navigation\)](https://developer.apple.com/library/ios/navigation) at the Apple Developer site

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