

# iPad & iPhone

## File Types



*A Quick Guide*

## Introductory Level

Designed for iPad. Applicable to other devices.

Revised May 2020

# File Types - Apple iPad

Some of the usual file types which will open natively on the **iPad**:

## Images



- .jpg** - JPEG (**Joint Photographic Experts Group**) compressed image (lossy)
- .tiff** - **Tagged Image File Format** (variants, usually lossless, sometimes lossy)
- .gif** - **Graphic Interchange Format** (usually lossless)
- .png** - Portable Network Graphic (lossless, normally editable)
- .HEIC** - Apple's implementation of the newer HEIF/HEVC standard

## Music



- .mp3** - 'MPEG-1 Audio Layer 3' compressed audio file type (a lossy standard designed by the **Moving Picture Experts Group**)
- .aiff** - uncompressed (lossless) audio developed for Apple's **OS X**
- .wav** - uncompressed (lossless) audio developed by Microsoft
- .m4a** - compressed audio which uses **AAC** encoding (lossy) on Apple devices

## Movies



- .mp4** - 'MPEG-4' digital multimedia format designed by the Moving Picture Experts Group which allows streaming content over the internet
- .m4v** - Raw MPEG-4 Visual bitstream
- .mov** - common compressed multimedia format developed by Apple (and used as the basis for the MPEG-4 standard)
- .HECV (H.265)** - succeeds the older **AVC (H.264)** standard for greater file compression

# File Types - Apple iPad

(continued)

## PDF



### **.pdf - Portable Document Format**

- a cross platform document format that allows consistent viewing across all major platforms such as **Windows**, **Apple Mac**, **Unix** and **Linux**
- previously required **Adobe Acrobat Reader** to view this document type
- most modern web browsers such as **Google Chrome**, **Apple Safari** and **Brave** provide native support

## Text



**.txt** - Standard text file without significant formatting (platform independent)

**.rtf - Rich Text Format** developed by Microsoft for cross platform document interchange and supports embedding of common image types (eg jpg and png)

*... and many more*

## Webpages



**.html** - HyperText Markup Language

**.htm** - HyperText Markup (as above, just shorter file extension)

**.xhtml** - Extensible HyperText Markup Language (HTML4 with strict XML guidelines)

# File Types - Apple iPad

(continued)

## Apple iWork



### Apple Pages

- **.pages** - word processing and desktop publishing file type
- **Pages** can open and edit **Microsoft Word** documents (including .doc and Office Open XML files) and plain text (.txt) files.
- export documents in **.doc**, **.docx**, **.pdf** and **ePub** formats



### Apple Numbers

- **.numbers** - spreadsheet file type native to the **Numbers** app
- The **Numbers** app can open Microsoft **.xsl** files and export to **.xsl**, **.xlsx**, **.pdf** and **.csv** file formats



### Apple Keynote

- **.key** - presentations and slideshow files
- **Keynote** can also open Microsoft **.ppt** files and export to **.ppt**, **.pptx**, **.pdf**, **.mov** (Quicktime movie) and image files such as **.jpg**, **.png** and **.tiff**

# File Types - Apple iPad

(continued)

## Microsoft Office



### Word

**.doc** - presentations and slideshow files (older format)

**.docx** - Office Open XML default format for **MS Word** since Office 2007



### Excel

**.xls** - 'Microsoft Excel 97-2003 Worksheet'

**.xlsx** - Excel spreadsheet - Office Open XML format



### Powerpoint

**.ppt** - Legacy PowerPoint Presentation

**.pptx** - PowerPoint Presentation - Office Open XML



# File Browsers - iPad

**Several Examples** *(see next slide for the Apple Files app)*



## Documents by Readdle

An integrated file browser for locating and managing files and folders on the iPad. It also serves as a document viewer (supporting most common file types) and media player for all the most common media files. It allows one to open, view and edit files from **iCloud Drive** as well.



## DropBox

A **cloud storage** and synchronisation service with an integrated file browser for use on the **Windows, Android, iOS, Mac, and Linux** platforms. Support for most common file types. Access to files from a vast amount of apps.



## Google Drive

Like DropBox and iCloud, Google Drive is primarily a cloud storage service. It is well integrated with **Gmail** and other Google services. It also has an integrated file browser and works on Windows, Android, iOS, Mac, and Linux (as 'Grive'). Support for viewing most common file types (even more than DropBox).

# Files App

## File Browser - iOS11 and later



The Files app replaces the previous **iCloud Drive** app and includes support for other cloud storage drives such as **Dropbox**, **Google Drive** and Microsoft **OneDrive**.

### Files

The **Files** app, introduced with **iOS 11**, is an integrated file browser for the iPad (and other iOS devices). It allows you to view and edit files stored on the iPad and other storage drives that the device has access to, such as **iCloud Drive**. With iPadOS 13, a lot more functionality has been built into the Files app. It allows such things as:

- Enabling or disabling other file storage services (such as Google Drive)
- Create new folders; delete files and folders; drag and drop files
- Files and folders can be viewed in **Thumbnail** view, **List** view, or **Column** view
- Files and folders can be sorted according to Name, Date, Size etc
- File information such as file type, size, date created etc can be displayed
- Files can be viewed within the Files app and **markup** can be applied to images

Files app icon in Dock



For more information, see guide on the **Apple Support** website:

**View files and folders in Files on iPad**

<https://support.apple.com/en-au/guide/ipad/ipad49b77901/ipados>

# Summary - File Types on iPad

The basic file types for almost everything we normally do on the iPad

- **Images:** JPG, TIFF, GIF, PNG and HEIC
- **Music:** MP3, AIFF, WAV and M4A (AAC)
- **Movies:** MP4, M4V, MOV and HECV
- **Documents:** PDF, TXT, RTF and more
- **Apple iWork:** PAGES, NUMBERS and KEY
- **Microsoft Office:**
  - **Word** - DOC and DOCX,
  - **Excel** - XSL and XSLX,
  - **Powerpoint** - PPT and PPTX
- **Webpages:** HTML, HTM and XHTML