



GETTING STARTED FOXIT PDF SDK

For iOS

About Foxit PDF SDK for iOS

Foxit PDF SDK for iOS is a Rapid Development Kit for iOS platform which focuses on helping developers easily integrate powerful Foxit PDF technology into their own apps. With this SDK, even developers with a limited knowledge of PDF can quickly build a PDF viewer with just a few lines of code.

Note: From version 7.3, Foxit PDF SDK for iOS provides a new package which supports to build a Mac version app built with Mac Catalyst.

Feature Spotlight

- Easy-to-use PDF Viewer Control
- Customizable User Interface with Source Code
- Annotation and Attachment Tools
- Indexed Full-Text Searching
- Support split screen
- Support Right-to-Left
- Digital and Handwritten Signature Tools
- Support Long term validation of signatures (LTV)
- Support comparison of two PDF documents at UI level
- Support Optional Content Groups (Layers)
- Support to read out the text of PDF file
- PDF Form Filling and Flattening
- Fill non-interactive forms with text and symbols
- Support Static and Dynamic XFA
- Reflow/Crop PDF pages for better reading
- Pan and Zoom PDFs
- Scan and convert paper documents to PDFs
- Protect PDFs by Certificate or Password
- Support Microsoft Rights Management (RMS)
- Built on Foxit Technology used by billions of end-users
- Excellent Memory Management and Robust Performance

iOS package structure

Foxit PDF SDK for iOS provides two packages as follows:

- `foxitpdfsdk_9_1_ios.zip`: only support building apps on an iPhone or iPad.
- `foxitpdfsdk_9_1_ios_catalyst.zip`: support building apps on an iPhone, iPad or a Mac.

Note: If you want to build apps on macOS, you can choose the `foxitpdfsdk_9_1_ios_catalyst.zip` package.

The package of Foxit PDF SDK for iOS includes the following files:

- **docs:** A folder containing API references, developer guide, upgrade warnings.
- **icc_profile** The default icc profile files used for output preview feature.
- **libs:** A folder containing license files, SDK frameworks, UI Extensions Component source code.
- **samples:** A folder containing iOS sample projects.
- **getting_started_ios.pdf:** This file.
- **legal.txt:** Legal and copyright information.
- **release_notes.txt:** Release information.

Requirements

Note: From version 7.5.1, Foxit PDF SDK for iOS only supports 64-bit devices. It is because that in iOS 11 and later, all apps use the 64-bit architecture, please see the [Apple developer guide](#).

For `foxitpdfsdk_9_1_ios.zip` package:

- iOS 11.0 or higher
- Xcode 9.0 or newer

Note: iOS 13 or higher requires Xcode version 11 or higher.

For `foxitpdfsdk_9_1_ios_catalyst.zip` package:

- macOS 10.15 or higher

- Xcode 11 or higher

Running a demo in Xcode

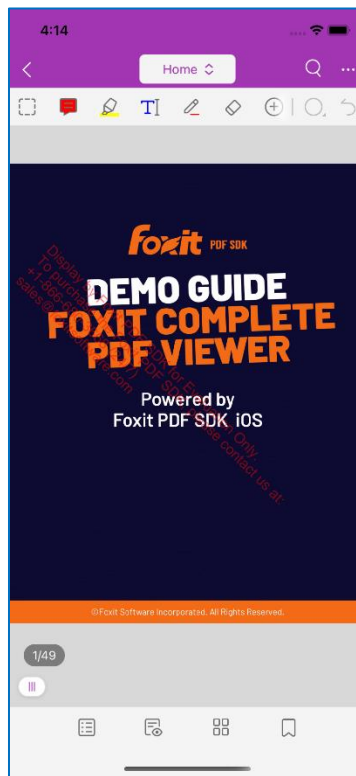
For foxitpdfsdk_9_1_ios.zip package:

Foxit PDF SDK for iOS provides three demos in both Objective-C and Swift for developers to learn how to call the SDK on iOS. You can find them in the "samples" or "samples/swift" folder. In this guide, it takes the "complete_pdf_viewer" demo as an example to show how to run it in Xcode.

- Double-click the **complete_pdf_viewer.xcodeproj** found in the "samples/complete_pdf_viewer" folder to open the demo in Xcode.

***Note:** There is another way to open the demo in Xcode: double-click the **samples_xcworkspace** found in the "samples" folder. It is a workspace including the three demos.*

- Click on "Product -> Run" to run the demo on an iOS device or simulator. In this guide, an iPhone 11 Simulator will be used as an example. After building the demo successfully, on the start screen, click the "complete_pdf_viewer_guide_ios.pdf" document, and then it will be opened and displayed as the following:



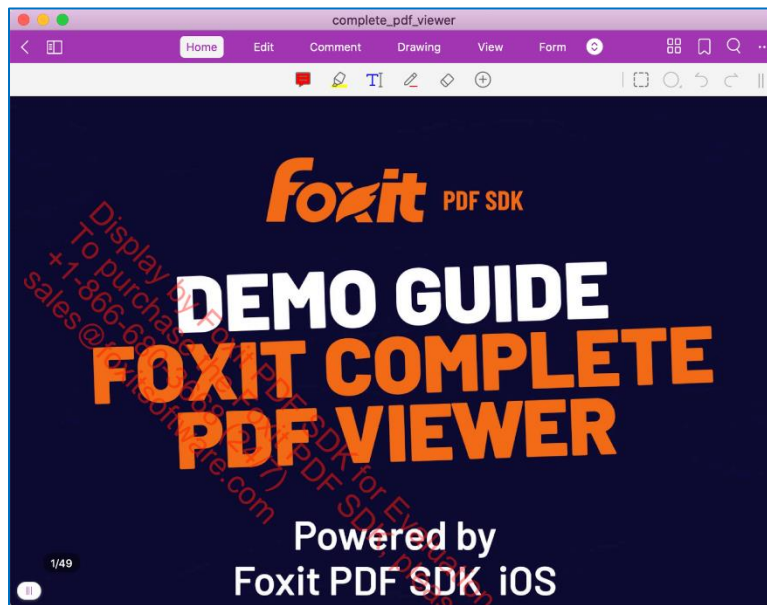
The demo shows how to build a completely full-featured PDF viewer on the iOS platform with Foxit PDF SDK.

For foxitpdfsdk_9_1_ios_catalyst.zip package:

Foxit PDF SDK for iOS (Mac Catalyst) provides a Complete PDF viewer demo in Objective-C for developers to learn how to call the SDK. The demo is located in the "samples" folder. To run this demo, please make sure that your macOS version is 10.15 or higher and Xcode version is 11 or higher.

To run it in Xcode, please follow the steps below:

- Double-click **complete_pdf_viewer.xcodeproj** found in the "samples/complete_pdf_viewer" folder to open the demo in Xcode.
- Click on "Product -> Run" to run the demo on an iOS device/simulator or on your Mac. Here, select **"My Mac"** as the run destination for example. After building the demo successfully, on the start screen, click the "complete_pdf_viewer_guide_ios.pdf" document, and then it will be opened and displayed as the following:



Integrating Foxit PDF SDK for iOS into your apps

There are two ways to integrate Foxit PDF SDK for iOS or Foxit PDF SDK for iOS (Catalyst) into your apps. You can choose what works best for you based on your requirements.

- ✓ If you just want to use the default built-in UI implementations to develop your apps, for simplicity and convenience, you only need to include the following files:

- ***FoxitRDK.framework / FoxitRDK.xcframework (Catalyst)*** - The framework that includes the Foxit PDF SDK for iOS dynamic library and associated header files.
- ***uiextensionsDynamic.framework / uiextensionsDynamic.xcframework (Catalyst)*** - The framework that includes UI Extensions dynamic library, associated header files, and the resource files that are needed for the default built-in UI implementations.
- ***(Optional) FoxitPDFScanUI.framework*** - The framework that includes Foxit PDF SDK for scanning dynamic library, associated header files, and the resource files that are needed for the default built-in UI implementations of scanning feature. It is only needed if you want to integrate the scan module into your project.

Note: The ***FoxitPDFScanUI.framework*** only support iOS platform, and does not support macOS platform.

- ✓ If you do not want to use the ready-made UI framework, you can include the following files to redesign your app UI through modifying the source code of the UI Extensions Component:

- ***FoxitRDK.framework / FoxitRDK.xcframework (Catalyst)*** - The framework that includes the Foxit PDF SDK for iOS dynamic library and associated header files.
- ***uiextensions project***- found in the "libs/uiextensions_src" folder. It is an open source library that contains some ready-to-use UI module implementations and the basic UI design for app, which can help developers rapidly embed a fully functional PDF reader into their iOS or Mac app. Of course, developers are not forced to use the default UI, they can freely customize and design the UI for their specific apps through the "uiextensions" project.
- ***(Optional) pdfscan project*** - It is an open source library that contains the UI implementations for scanning feature, which can help developers rapidly integrate

scanning feature into their iOS app, or customize the UI for scanning as desired. It is only needed if you want to integrate the scan module into your project.

Note: *The scanning feature is not supported by Mac apps.*

Please see "***developer_guide_ios.pdf***" document in the "docs" folder for a step-by-step guide to create a new iOS/Mac app and integrate Foxit PDF SDK into your apps.

Technical Support

Reporting Problems

Foxit offers 24/7 support for its products and are fully supported by the PDF industry's largest development team of support engineers. If you encounter any technical questions or bug issues when using Foxit PDF SDK for iOS, please submit the problem report to the Foxit support team at <http://tickets.foxitsoftware.com/create.php>. In order to better help you solve the problem, please provide the following information:

- Contact details
- Foxit PDF SDK product and version
- Your Operating System and IDE version
- Detailed description of the problem
- Any other related information, such as log file or error screenshot

Contact Information

You can contact Foxit directly, please use the contact information as follows:

Foxit Support:

- <http://www.foxitsoftware.com/support/>

Sales Contact:

- Phone: 1-866-680-3668
- Email: sales@foxitsoftware.com

Support & General Contact:

- Phone: 1-866-MYFOXIT or 1-866-693-6948
- Email: support@foxitsoftware.com