Foxit PDF SDK

GETTING STARTED FOXIT PDF SDK

For Android

©Foxit Software Incorporated. All Rights Reserved.

About Foxit PDF SDK for Android

Foxit PDF SDK for Android is a Rapid Development Kit for Android 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.

Feature Spotlight

- Easy-to-use PDF Viewer Control
- Customizable User Interface with Source Code
- Annotation and Attachment Tools
- 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

Requirements

Android devices' requirements:

- Android 4.4 (API 19) or higher
- 32/64-bit ARM (armeabi-v7a/arm64-v8a) or 32/64-bit Intel x86 CPU

- Android Studio 4.1 or newer

Android package structure

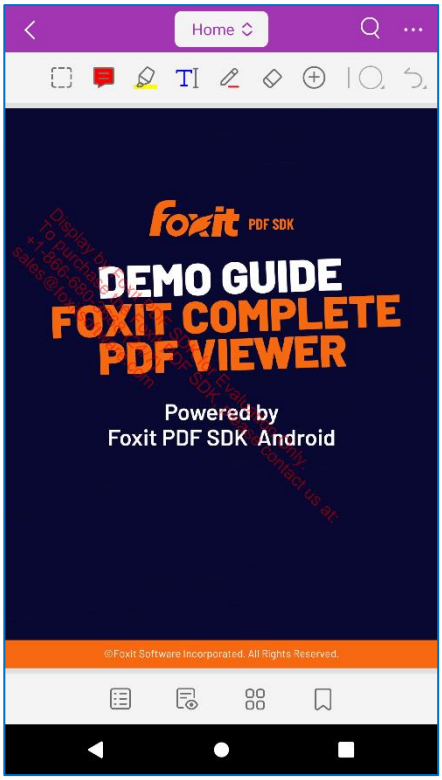
The package of Foxit PDF SDK for Android includes the following files:

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

Running a demo in Android Studio

Foxit PDF SDK for Android provides three different kinds of demos in the "samples" folder for developers to learn how to call the SDK on Android. In this guide, it takes the "complete_pdf_viewer" demo as an example to show how to run it in Android Studio.

- Load the demo in Android Studio through "File -> New -> Import Project..." or "File -> Open...", and then navigate to where the complete_pdf_viewer project is stored and select the complete_pdf_viewer folder. Continue with "OK".
- Launch an Android device or an emulator (AVD). In this guide, an AVD targeting Android 10.0 will be used as an example.
- Click on "Run -> Run 'app'" to run the demo. On the start screen, click the "complete_pdf_viewer_guide_android.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 Android platform with Foxit PDF SDK.

Integrating Foxit PDF SDK for Android into your apps

There are two ways to integrate Foxit PDF SDK for Android 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 framework to develop your apps, for simplicity and convenience, you only need to include the following files:

- ***FoxitRDK.aar*** - contains JAR package which includes all the Java APIs of Foxit PDF SDK for Android, as well as the underlying ".so" libraries. The ".so" library is the heart of the SDK including the core functionalities of Foxit PDF SDK for Android. It is built separately for each architecture, and currently available for armeabi-v7a, arm64-v8a, x86, and x86_64.

- ***FoxitRDKUIExtensions.aar*** - generated by the "**uiextensions_src**" project found in the "libs" folder. It includes the JAR package, built-in UI implementation, and resource files that are needed for the built-in UI implementations, such as images, strings, color values, layout files, and other Android UI resources.

- ***(Optional) FoxitMobileScanningRDK.aar*** - provides the libraries required by the scanning feature. It is only needed if you want to integrate the scan module into your project.

- ***(Optional) FoxitPDFScan-UI.aar*** - provides Android Activities that implement the UI required for the scanning feature. It is only needed if you want to integrate the scan module into your project.

✓ 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:

- ***uiextensions_src*** project - found in the "libs" folder. It is an open source library that contains some ready-to-use UI module implementations, which can help developers rapidly embed a fully functional PDF reader into their Android 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_src" project.

- ***FoxitRDK.aar*** - contains JAR package which includes all the Java APIs of Foxit PDF SDK for Android, as well as the underlying ".so" libraries. The ".so" library is the heart of the SDK including the core functionalities of Foxit PDF SDK for Android. It is built separately for each architecture, and currently available for armeabi-v7a, arm64-v8a, x86, and x86_64.

- ***(Optional) pdfscan*** project - found in the "libs" folder. It is an open source library that contains the UI implementations for scanning feature, which can help developers rapidly integrate scanning feature into their Android app, or customize the UI for scanning as desired. It is only needed if you want to integrate the scan module into your project.

- ***(Optional) FoxitMobileScanningRDK.aar*** - provides the libraries required by the scanning feature. It is only needed if you want to integrate the scan module into your project.

Please see "***developer_guide_android.pdf***" document in the "docs" folder for a step-by-step guide to create a new Android 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 Android, 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