

ADOBE® READER® MOBILE SDK



The Adobe Reader Mobile SDK enables third-party developers to support EPUB and PDF eBook display, including Adobe Content Server protected documents, on reading devices and in smartphone applications.

Overview

The Adobe Reader Mobile SDK (RMSDK) is a developer toolkit which provides EPUB and PDF rendering capabilities for software developers. It is compatible with Adobe Content Server; devices and applications built with RMSDK can display content licensed through Adobe Content Server.

RMSDK supports over-the-air content fulfillment as well as tethered transfer via Adobe Digital Editions. Its simplified APIs are designed to ease porting and integration with your own device software. RMSDK is delivered as source-code and includes reference implementations for several platforms including iOS and Android.

EPUB and PDF support

RMSDK supports high-quality rendering of the EPUB file format, a structured, accessible XML-based format designed to reflow text according to screen and font size. EPUB is the official standard of the International Digital Publishing Forum (IDPF), a trade and standards organization dedicated to the development and promotion of electronic publishing and content consumption. RMSDK renders EPUB

with support for multiple graphic formats including SVG; embedded fonts; and support for stylesheets and templates.

RMSDK also provides fast, high-quality rendering of PDF files conforming to the ISO 32000 standard. RMSDK supports rendering for most all PDF features, including transparency and conversion of PDF color spaces into grayscale or RGB rasters.

Adobe Content Server compatibility

RMSDK supports digital content copy-protected by Adobe Content Server (Adobe DRM). Hundreds of publishers, libraries, retailers and solution providers are distributing and managing eBooks using Adobe Content Server and secured with Adobe DRM. All of this content can be read by any viewer built using the RMSDK. Adobe DRM is based on OpenSSL and does not require any third party libraries.

Unprotected PDF and EPUB documents can also be transferred and read with an RMSDK-based viewer.

Multi-language support

RMSDK provides document-level support for English, French, German,

RMSDK Licensees include:

- Acer
- Aluratek
- Amazon*
- Barnes & Noble
- BeBook
- Bookeen
- Hanwang Technology
- IREX Technologies
- Kobo
- KreativeDNA
- Lamaro
- OverDrive
- Sony
- Toshiba

*PDF rendering only

Hardware Requirements

Minimum hardware: ARM instruction set processor running at 200MHz (up to 800x600 screen resolution)

Recommended hardware: ARM9E/ARM10 or comparable at 400MHz for optimal performance on a wide range of documents and screen sizes.

Runtime memory requirements vary with type of document, but most will render with 10MB of available RAM.

Power Consumption

No fixed requirements, dependent on hardware and the complexity or size of documents.

Italian, Spanish, Portuguese, Dutch, Korean, Chinese Simplified, Chinese Traditional and Japanese. Device-resident fonts are required for CJK support on Linux devices; system fonts are used on Windows devices.

Delivered as source code

The RMSDK distribution is provided as complete C++ source code, enabling developers to port to their own devices. Makefiles and other build tools are provided for six reference platforms:

- iOS (Apple iPad, iPhone, and iPod Touch)
- Android OS (NDK r5)
- Linux (a Debian distribution using gnu tools)
- Windows Mobile 6 (using Visual Studio 2008)
- Windows desktop
- Mac OS X desktop

The package also includes console test/validation applications, and complete documentation of the SDK and all APIs.

DL Reader sample app

Our RMSDK distribution also includes source code and project files for DL Reader, our fully-functional eBook viewing sample app. Features include:

- Compatible with Adobe Content Server, including device-restricted and time-limited eBooks
- Allows for device activation via Adobe ID or Adobe Vendor ID
- Supports text size changes, and orientation changes
- Sortable library view
- Store button to link directly to eBookstore

Availability

Licensing and developer support for Adobe Reader Mobile SDK is available directly from Datalogics. Datalogics also manages a fully-supported software evaluation program for the toolkit. Contact us for information on licensing and availability.

Datalogics

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For more information

For more details about the Adobe Reader Mobile SDK, visit:

www.adobe.com/devnet/readermobile/
www.datalogics.com

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