

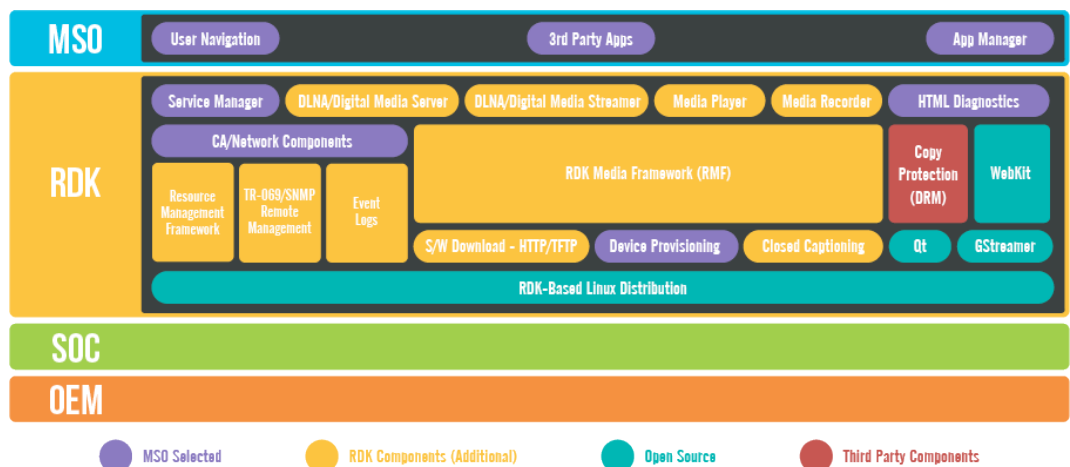
## Data Sheet Title

### OVERVIEW

The RDK emulator is an application which runs on your computer and provides a virtual RDK device on which you can run your RDK (MSO) applications. The emulator lets you prototype, develop and test RDK applications without using a physical device. It provides a standard, hardware-independent basis for various applications development.

The target group of the software product on RDK platform is Application Developers and Application Testers. The intent is to run different RDK applications, including multimedia applications on the Emulator without the STB. Since all the RDK Licensees can develop and deploy Applications for RDK based Box, the RDK emulator makes life easier for application programmers because it is a working RDK stack that runs on desktop computers - a place to run and debug applications before trying to deploy them to real devices.

### FEATURE LIST



RDK Emulator provides the following features.

- Mimics basic hardware, software features of a typical STB
- Supports RMF media framework with QAM, HN (Home network), DVR - Sources & Sinks
- Supports RDK Browser – To launch HTML 5 based applications
- Supports Embedded Linux configuration with OpenGL-ES 2.0
- Provides Device Settings HAL emulation
- Supports Media Streamer, Recorder, Media Player
- Simple approach to emulate the communication between XRE and Recorder



## RDK BROWSER

Supports RDK Browser – To launch HTML 5 based applications



## RMF APP

Supports RMF media framework with QAM, HN (Home network), DVR - Sources & Sinks.

Play different Media sources.

## ADVANTAGES

- Easy to install as single Debian package
- Can act as Gateway or IP client with simple application launch
- Simple approach to emulate communication between XRE and Recorder
- RDK Development Platform as an iso-image
  - RDK DP ISO image that provides RDK development environment set up & Emulator feature
- Provides a standard, hardware-independent platform for various applications development
- Faster Time to market