RDK Documentation

What is RDK?

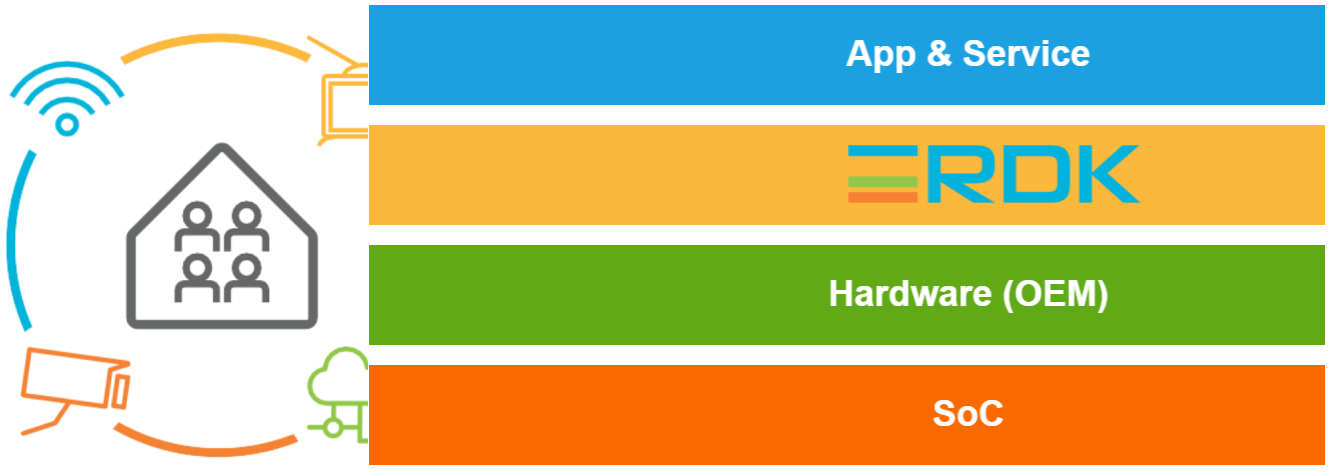
Collaborate.

Differentiate.

Innovate.

RDK is the software that helps run video, broadband, and IoT devices more efficiently by standardizing the software stacks that run on most TV set-top boxes, internet gateways, and IoT devices in the home.

Powering the Whole H **Operating System**



Why to use RDK?

By utilizing open-source components, RDK drastically reduces development cycles, encourages collaboration, and enhances innovation.

Millions of devices around the globe rely on free RDK software to power their next-generation video and broadband services. RDK community members continually enhance the RDK stack through collaboration and contributions; that means limitless innovation and unrivaled speed to market for global service providers of all types. While customers enjoy a wider range of innovative products faster, operators maintain complete control over design, development, deployment, and data.

Advantages

- Built for operators, by operators
- No-cost license
- Speed of innovation
- Data ownership
- Open-source development
- Robust quarterly releases
- Continuous community contributions
- Choice of vendors

Community Growth

500 COMPANIES – 80 MILLION DEVICES

80M CODE DOWNLOADS/ YEAR

10K CODE CONTRIBUTIONS/ YEAR

70 CONTRIBUTIN G COMPANIES

Business Benefits of RDK

Design Ownership

RDK's modular plug-in architecture enables providers to develop, innovate, and differentiate at the application and services layer, allowing a **consistent customer experience** across all RDK devices. Providers benefit from **frequent, robust releases and continuous improvements** that dramatically increase product development velocity.

Control your Environment

With RDK, you control your ecosystem. RDK allows you to innovate to meet your product vision, deploy at your own pace, and **control your customer data, apps, and customer experience**. Take advantage of the innovative contributions that come from open sourcing and use **RDK tools to build, test, and deploy on your terms**.

Infinite Possibility, Zero Cost

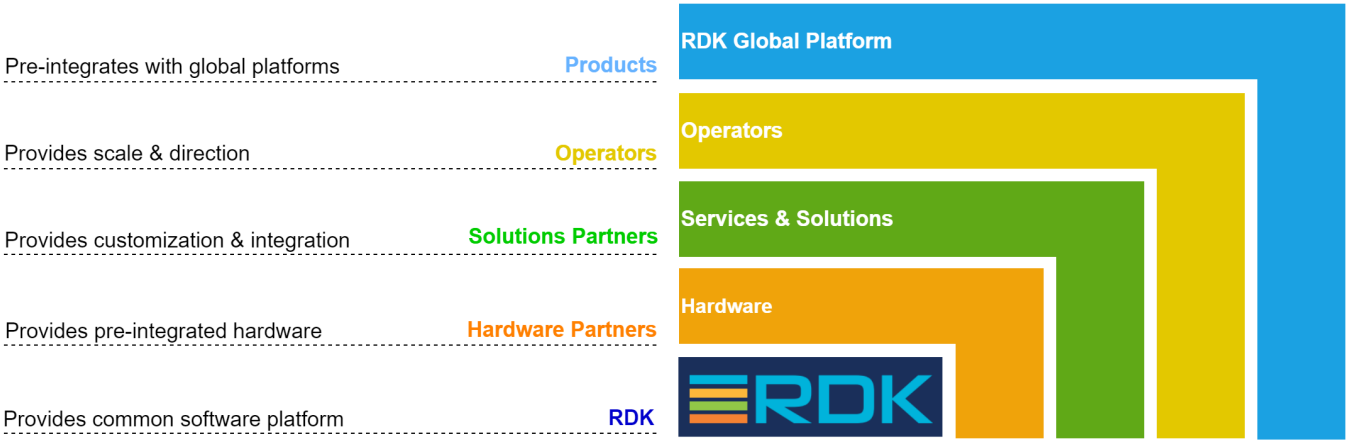
RDK is a no-cost/royalty-free open-source license, providing full transparency into the source code. This allows developers to **efficiently collaborate** on projects with **skilled partners** in the RDK community, **add new features**, and **resolve issues at their own pace** — creating contributions that benefit the entire community.

Easy Deployment with RDK Partners

Through our partnerships with multiple recruitment organizations, RDK provides access to staffing and resources who are trained, certified, and experienced in working with RDK code. The result? **An easier, faster, and more successful transition to the RDK platform**.

The RDK Ecosystem

The leading operators, solution partners, hardware providers, and product developers from around the world contribute to the expanding RDK community. We connect our members to facilitate the best solutions for service providers, their customers, and the entire industry.



RDK Broadband

RDK Broadband (RDK-B) software is capable of powering next-gen gateways across DOCSIS, PON, DSL, 5G, and ethernet, enabling OEMs to standardize elements of their modems, gateways, and converged devices.

Click here to know more...

RDK Video

RDK accelerates the deployment of next-gen video products and services, simplifying customization and user experience.

Click here to know more...