

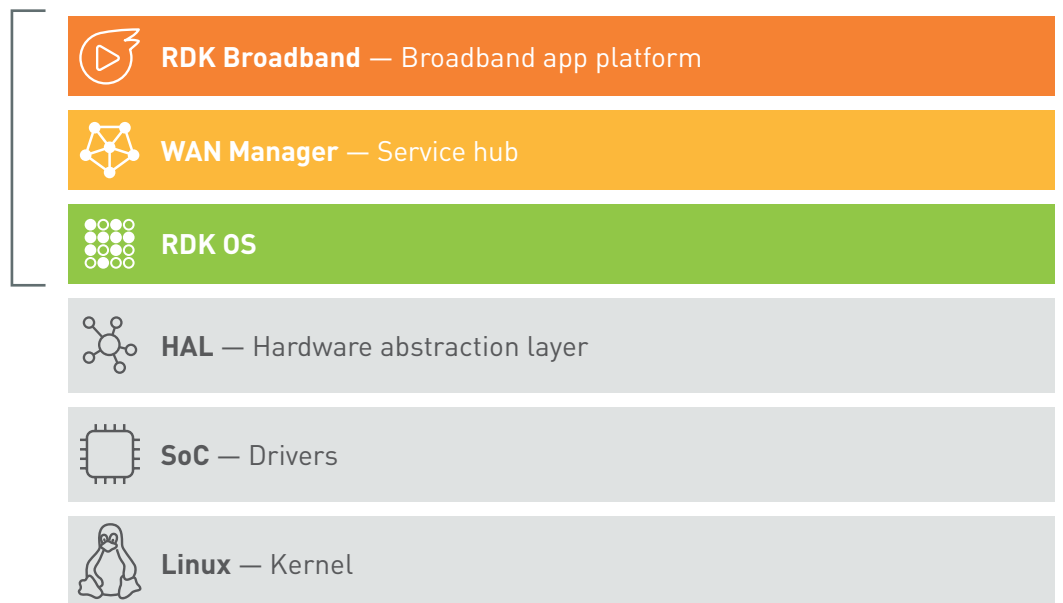
RDK Broadband

RDK is the software that runs the video, broadband, and converged services profiles. In this solution brief we will focus on application of RDK to broadband services.

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. It allows easy customization of applications and common functionalities such as routing, Wi-Fi, DNS, diagnostics, remote management, and IoT interfaces, such as Bluetooth, Thread, and Zigbee.



Basic Features	Operator-Specific Features	Advanced Features
<ul style="list-style-type: none"> • Basic device management • Routing and IP feature support • WAN support • Network management 	<ul style="list-style-type: none"> • Home security/automation • Security/intrusion detection • Cloud-based features • Telemetry support • Self-healing • Multicast (MABR) 	<ul style="list-style-type: none"> • Advanced device management • Advanced routing/IP features • Secure transport — VPN/IPSEC • Advanced Wi-Fi/mesh integration • Parental controls



Benefits of RDK-B:



Common apps
for broadband



Common
software
platform



Common SoC
integration



Open source
architecture



Modular design
allows innovation
on top of the
software



Optimized for
low- to high-end
devices



Containerization
support at
app layer



Supports multiple
management
protocols and data
models



Application
and services
portability across
technologies

Works on all access networks



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