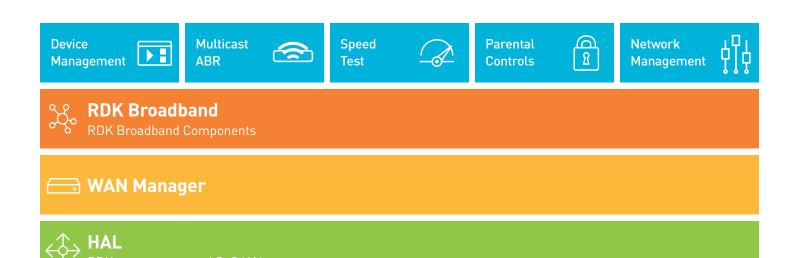# RDK Broadband

RDK is the open source software that runs the video, broadband, and IoT devices in the home.

RDK Broadband (RDK-B) software is capable of powering next-gen gateways across DOCSIS, PON, DSL, 5G, and ethernet access networks, 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
• Device management • Routing and IP feature support • WAN support • Network management	• Home security/automation • Security/intrusion detection • Cloud-based features • Telemetry support • Self-healing • Multicast (MABR)	• Advanced device management • Advanced routing/IP features • Secure transport — VPN/IPSEC • Advanced Wi-Fi/mesh integration • Parental controls

Device Management	Multicast ABR	Speed Test	Parental Controls	Network Management

RDK Broadband
RDK Broadband Components

WAN Manager

HAL
RDK components and SoC HAL

Benefits of RDK-B:

Common software platform

Thoroughly tested releases

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

Supporting all access networks

DOCSIS PON DSL 5G Ethernet

To learn more about RDK,
visit **www.RDKCentral.com**.

RDK