RDK-Broadband

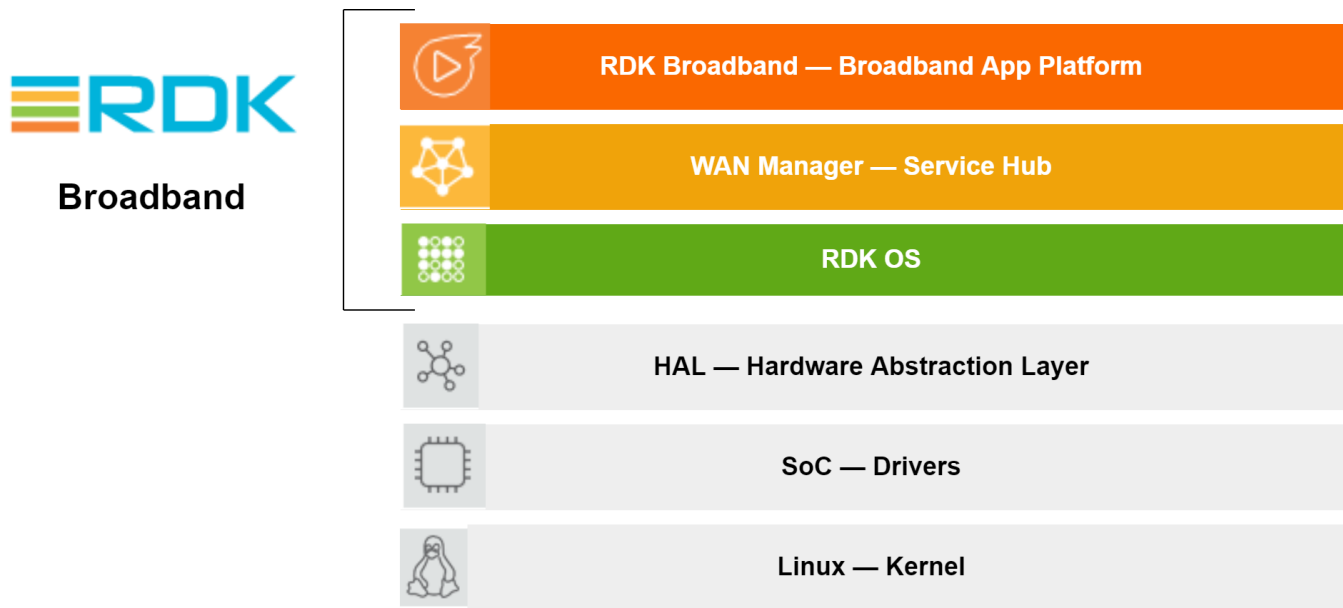**RDK-B provides a common software and data solution across all broadband access technologies including DOCSIS, GPON, and DSL**

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such as Bluetooth, Thr
ead, and Zigbee.

Basic Features	Operator-Specific Features	Advanced Fe...
• Basic device management	• Home security/automation	• Advanced device ma...
• Routing and IP feature support	• Security/intrusion detection	• Advanced routing/IP...
• WAN support	• Cloud-based features	• Secure transport — ...
• Network management	• Telemetry support	• Advanced Wi-Fi/mes...
	• Self-healing	• Parental controls
	• Multicast (MABR)	

RDK Broadband - Architecture

Broadband

RDK Broadband — Broadband App Platform
WAN Manager — Service Hub
RDK OS
HAL — Hardware Abstraction Layer
SoC — Drivers
Linux — Kernel

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

Support multiple management protocols and data models

Application and services portability across technologies

Works on all access networks

DOCSIS   PON   DSL   5G   Ethernet