

RDK-Broadband



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

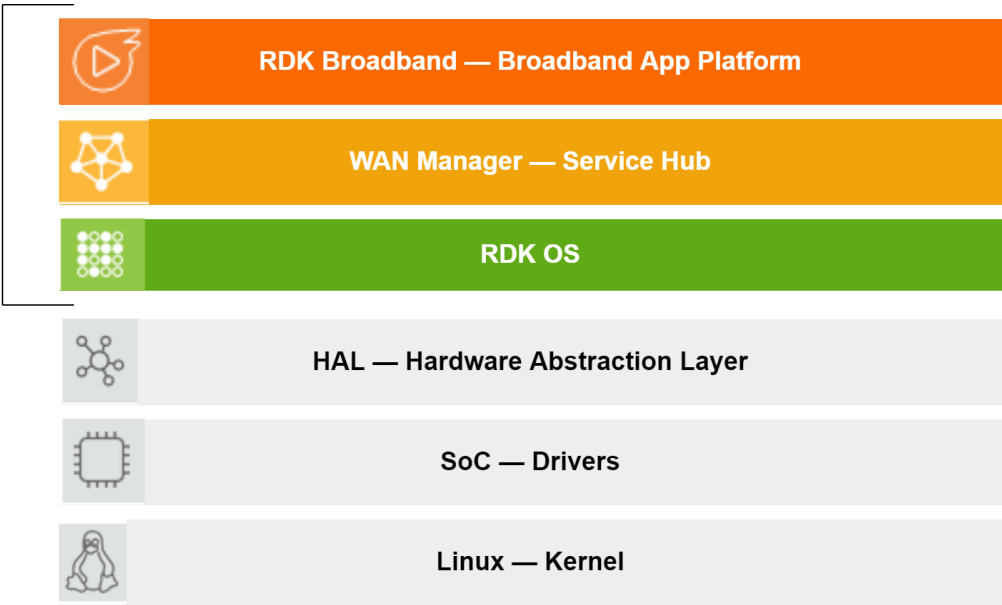
RDK Broadband (B) software is the foundation of powering all broadband gateways across DOCSIS, PON, DSL, Ethernet, enabling standardization of their models, services, and configurations. It allows customization for various use cases and commercialities such as VoIP, Wi-Fi, DNS, IPTV, remote management, 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• Secure transport —• Advanced Wi-Fi/mesh• Parental controls

RDK Broadband - Architecture



Broadband



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

