

# RDK – NextGen CPE ENGINEERING

Deploy | Manage | Monetize

## Trends

With new trends emerging in Next Gen CPEs, broadcasters are looking for accelerated rollout of apps and OTT playouts. Broadband service providers see greater possibilities with high-speed internet and MultiWAN to ensure service continuity.

WiFi is becoming the critical component of home broadband, and in-home WiFi experience has a high linkage to the NPS.

The Post COVID Scenario has shifted the enterprise network to a geographically distributed network. Security is a concern to address the threat from vulnerabilities and ransomware to spam and targeted attacks. Vulnerability assessment has emerged as an integral part of any CPE Rollout.

At the center stage of the Next Gen CPE is also the user experience and reduced operational expenses.

## Opportunities & Challenges

Countries have different video standards. A solution ensuring compliance with geographic video standards, can help operators scale, manage and monetize faster. MultiWAN support across any desired access network (DSL/DOCSIS/PON) allows operators to rapidly deploy services across Geos and network types.

Appstores and Pre-integrated Apps addresses the need of customers, however the accelerated development and rollout framework in the CPE stack enhances the value to the operator.

Mesh, WiFi 6 and Self care can revolutionizing homes to offer a seamless high-speed experience. Monetization of services is an opportunity and the same can be offered through extended enterprise networks and off the shelf firewalls for gateways

Operators are looking for powerful actionable insights from large volume of customer data to deliver value added services like proactive monitoring and management of gateways. This ensures improved operational efficiency and customer experience



## How Operators Benefit

### Double down on customers with Operator Managed Platform:

- Higher levels of device management and assurance
- Multiple WAN interfaces, community Wi-Fi, self-heal

### Faster Managed Rollouts with End-to-End Services Partner:

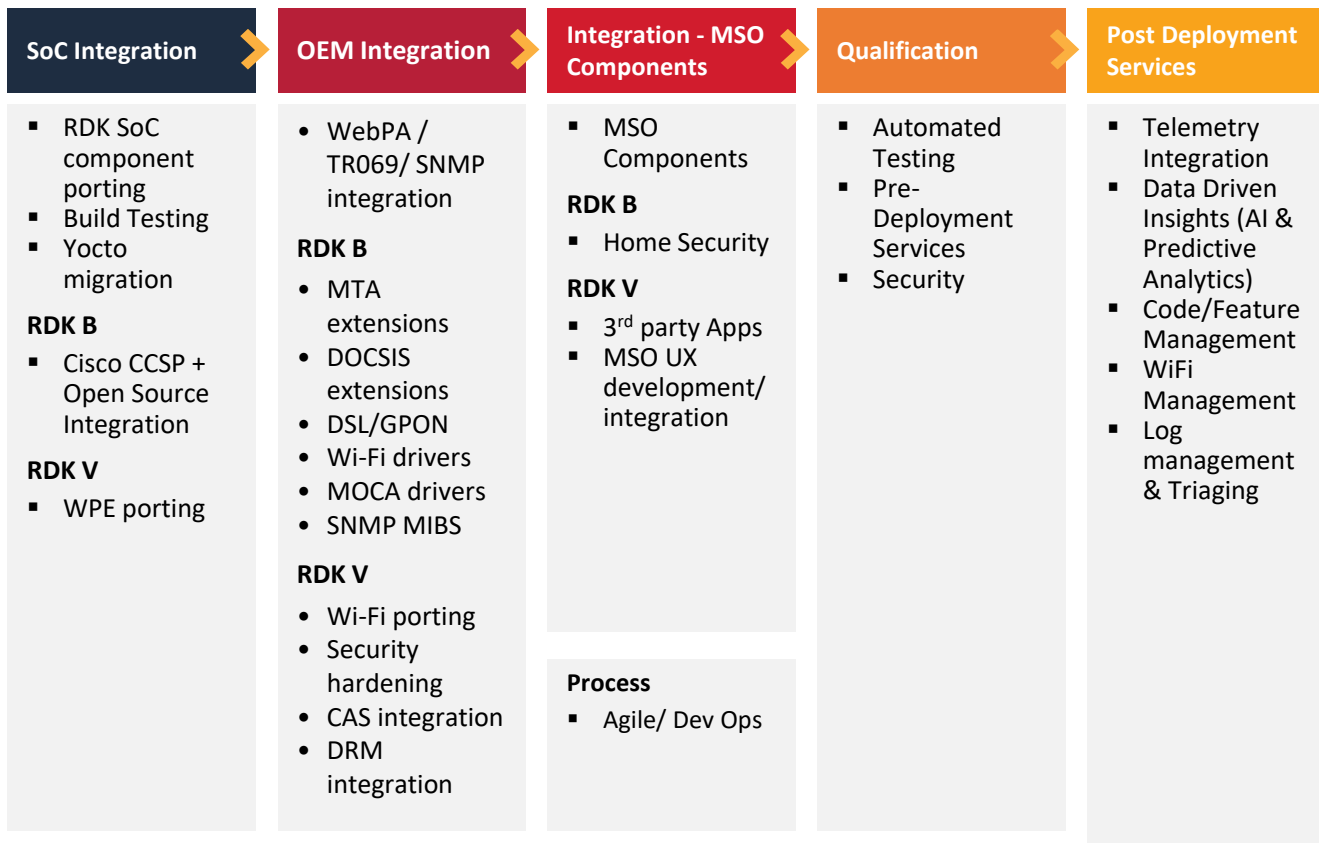
- Consulting, CI/ CD/ DevOps, Field Testing, Validation
- SoC, OEM MSO components integration, Analytics, Triaging

### Monetize with improved CX, reduced OpEx and third party services:

- Actionable Insights with the automation of data collection and analysis, Third-party Firewalls, parental controls, and Smart home gateways

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## Service Framework



**5 MSOs**  
SI Partner

**50 Mil**  
CPEs Deployed

**20+**  
Device Types

**7**  
SoC/ OEM - Dev Partner

## Differentiators

- Expertise across SoCs, OEMs & MSOs
- Support spanning across the product life cycle from product specifications to post-deployment support
- Phased development methodology – Minimum Viable Product(MVP), MSO specific features, and advanced features, enabling faster rollouts
- Proven capability in processes – DevOps, Sprints, Feature Mapping
- Experience in field trials and deployment management
- End-to-End services responsibility & ownership Strong ecosystem partnerships

## Success Stories

System Integration partner to Portugal cable operator for high-speed RDK-B based cable gateway

Monitoring real-time trends of RDK-B gateways focused on Performance indices to efficiently manage devices in the field