

Release Notes - 2019 M3



RDK Reference Platform Release - 2019 M3

Version: 1.0
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Introduction

This Release Notes document details on the delivery version 2019 M3 for the RDK Reference Platform to the RDK Community

1. Release Feature Information
2. Software and Hardware requirements to build
3. Known limitations
4. Updated Platform Tickets

Release Information

Below are the list of release features supporting R-Pi platform and Emulator.

Si. No	Feature	Device	Profile	Remarks	Tickets
1	RDK-B RPI in CMF – rdk-next	RPI	Broadband	• rdk-next for RDKB RPI	REFPLTB-261
2	RDK-B EMU in CMF – rdk-next	Emulator	Broadband	• rdk-next for RDKB EMU	REFPLTB-262
3	RDKB Containerization – RPI	RPI	Broadband	• RDKB Containerization in RPI	REFPLTV-5

4	Host build environment – Ubuntu linux version upgrade (Ubuntu 16.04)	Host Linux machine	Video and Broadband	Host - Ubuntu Linux version upgrade to 16.04	N/A
5	Yocto port in Turris Omnia for Wi-Fi Extender	Turris Omnia	Broadband	Yotco port to Turris Omina board	REFPLTB-278
6	Community, TDK Tickets	RPI and Emulator		rdk-next,rdk-dev-1902 for RDKV RPI,RDKV EMU	REFPLTV-265 , REFPLTV-264 , REFPLTV-263 , REFPLTV-262 , REFPLTV-259 , REFPLTV-269 , RDKRIDP-1425 , RDKRIDP-1411 , REFPLTV-248 , REFPLTB-282

Hardware and Software Requirements

Supported software and hardware

- Preferred 2.4GHZ WIFI adapter for Emulator: Tenda 150Mbps Wireless PICO USB Adapter with RT5370 chipset (W311MI) (or) Preferred 2.4GHZ WIFI adapter for Emulator: TP-Link AC1200 Wireless Dual Band USB Adapter (Archer T4U)
- Preferred 5GHZ WIFI adapter for Emulator/RPI: TP-Link AC1200 Wireless Dual Band USB Adapter (Archer T4U)
- Preferred xfinity-wifi 2.4GHZ WIFI adapter for RPI: TP-LINK TL-WN823N 300Mbps Mini Wireless N USB Adapter
- New dongle - Ultra-fast 1300 (867+400) mbps wireless speed with 802.11ac
- USB to Ethernet
- Desktop PCs

Known Issues and Limitations

RDKB EMU - rdk-next

- T48 – Parental Control - Managed Sites - Blocked keyword - Browsing did not happen even though wired client/mobile have been added as trusted computers (Known issue)

RDKB RPI - rdk-next

- T15 - Parental Control - Managed Sites - After adding a site under blocked sites, only Http sites got blocked. Https sites are not blocked.
- T30 - Remote Management - Clicking on Disable button for http port still allows access to webui through remote management.
- T54, T56 - MAC Filtering – Through dmcli, Client's device name got entered in MAC filter table and blacklisted. But, blacklisted MAC got connected to and able to browse.

RDKB RPI - Containerization

- Due to limitation in running wifi driver inside container, current environment/image needs wifi container to be invoked manually (steps are mentioned in user manual).
- Due to some issues faced while using xml based mounting (especially while mounting volatile directories var, nvram and wifi libraries which are created during run time by existing RDKB Architecture), some of the system binaries (non -rdkb) are copied inside container using service/script running in host.
- WiFi connectivity is tested only with 2.4 GHz band. 5GHz is yet to be supported.
- Data model containerization is in progress which is not supported in latest image/environment.
- RDKB Components CR, PSM, PandM and WiFi are containerized and others has to be supported.
- Enhancements is needed for working containers that includes data models for containers.
- Webui authentication fails when connected through connected clients.

Project Documentation

Below are the list of supporting documents that are part of release

1	System Test Plan & Test Report	• RDKB EMU rdk-next - E-09874-01-01STP01v3.0.xls • RDKB RPI rdk-next - E-09874-01-01STP02v3.0.xls • RDKB Containerization - E-09874-01-01STP03v3.0.xls • RDKB EMU 1901 Ubuntu 16.04 - E-09874-01-01STP04v3.0.xls • RDKB RPI 1901 Ubuntu 16.04 - E-09874-01-01STP05v3.0.xls • RDKV EMU 1901 Ubuntu 16.04 - E-09874-01-01STP06v3.0.xls • RDKB RPI 1901 Ubuntu 16.04 - E-09874-01-01STP07v3.0.xls	Multiple test cases and test results are being captured
2	Release Notes	• Release Notes - 2019 M3	Release Notes -This document
3	Requirement Traceability Table	• E-09874-01-01_RDK_ReferencePlatforms_RTT_Mar2019_Sprint.xls	This document tracks the requirement/feature from end to end (For Eg: from design,coding,testing, documentation are tracked for an particular feature. This enables the user to have a quick references of a particular feature

Technical Support contact

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