



# Layerscape 1012A Broadband Home Router Application Solutions Kit

## QORIQ-LS1012A-BHR-ASK

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NXP® offers a vertically integrated and comprehensive Linux®-based OpenWRT Broadband Home Router (BHR) application solutions kit (ASK) to OEM/ODMs building multiple market-segment network high performance router and switch products based on the LS1012A communications processors.

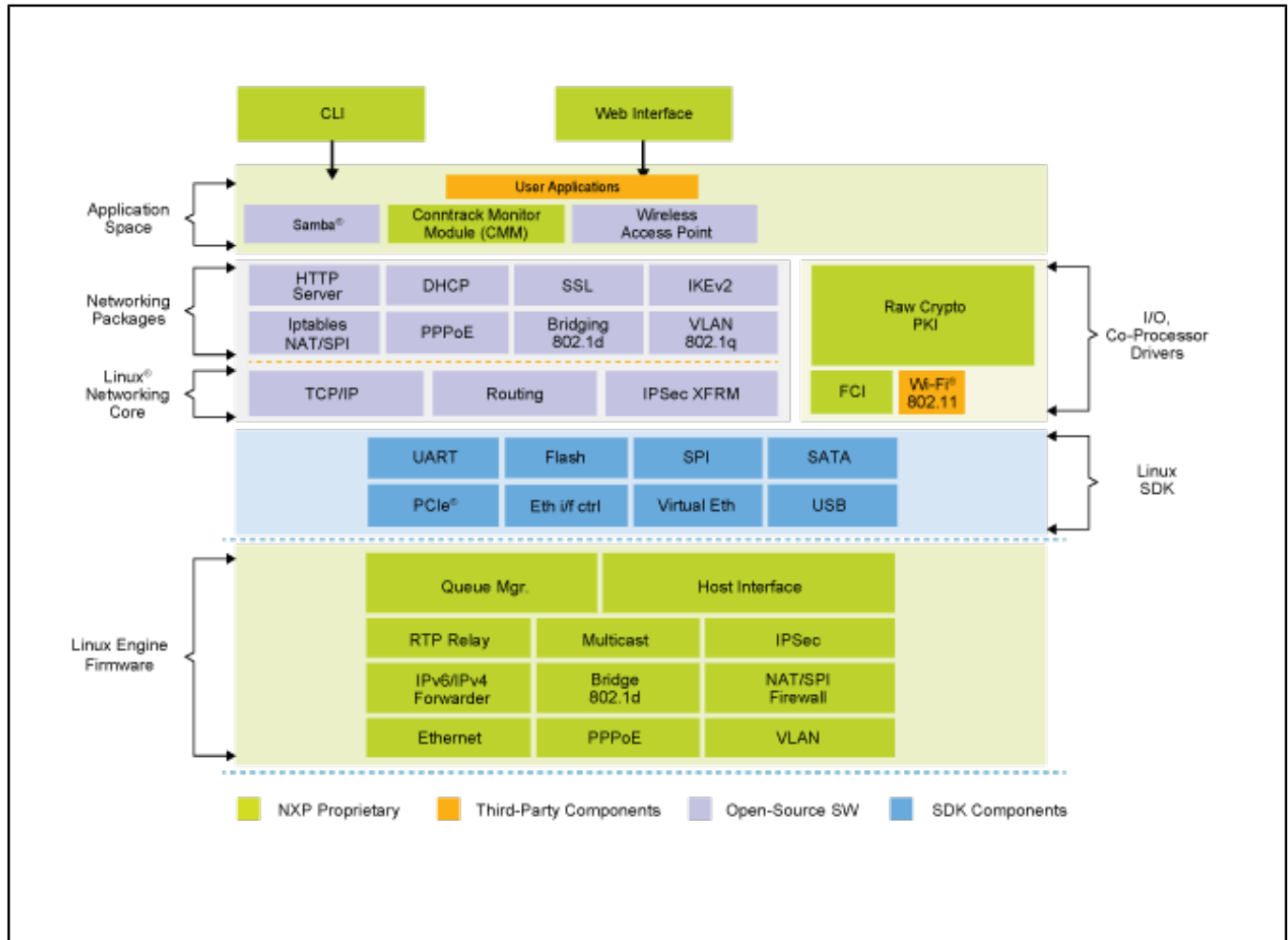
The field-hardened and feature-rich hardware accelerated OpenWRT software package will enable OEM/ODMs to significantly shorten their design cycle and achieve quicker time to market without compromising on performance, quality or features.

The ASK turnkey software stack leverages the packet accelerators and hardware cryptography accelerators within the LS1012A. By leveraging the LS1012A hardware, developers can obtain wire-speed (reaching full LS1012A hardware capability) performance with less than 5% load on the Arm® core.

OEM/ODMs can benefit from available ARM CPU by adding more value-added services without the need of introducing redundant hardware, reducing system costs.

The ASK BHR software, running on the LS1012A communications processors, offers a highly-optimized, feature-rich network stack and scalable platform that will help OEM/ODMs meet the demanding needs of next-generation consumer or enterprise networks reliably and efficiently.

# LS1012A Broadband Home Router Application Solutions Kit Block Diagram



View additional information for [Layerscape 1012A Broadband Home Router Application Solutions Kit](#).

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