# MCUXpresso Software Development Kit (SDK)

## MCUXpresso-SDK

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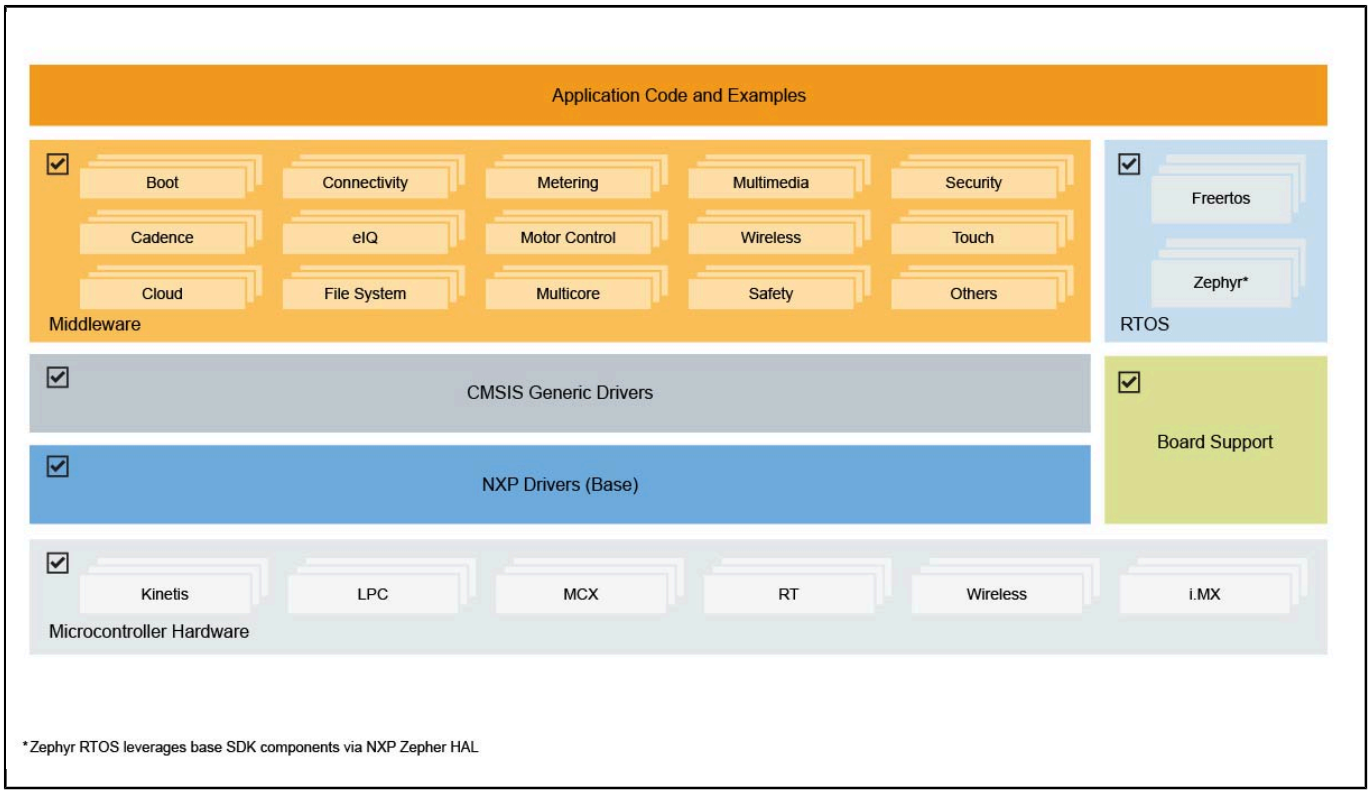
The MCUXpresso SDK is a comprehensive software enablement package designed to simplify and accelerate application development with Arm® Cortex®-M based devices from NXP, including its general purpose, crossover and wireless-enabled MCUs. The MCUXpresso SDK includes production-grade software with integrated RTOS (optional), integrated enabling software technologies (stacks and middleware), reference software, and more. Partner middleware and software can be integrated via custom west manifests or Open-CMSIS-Packs.

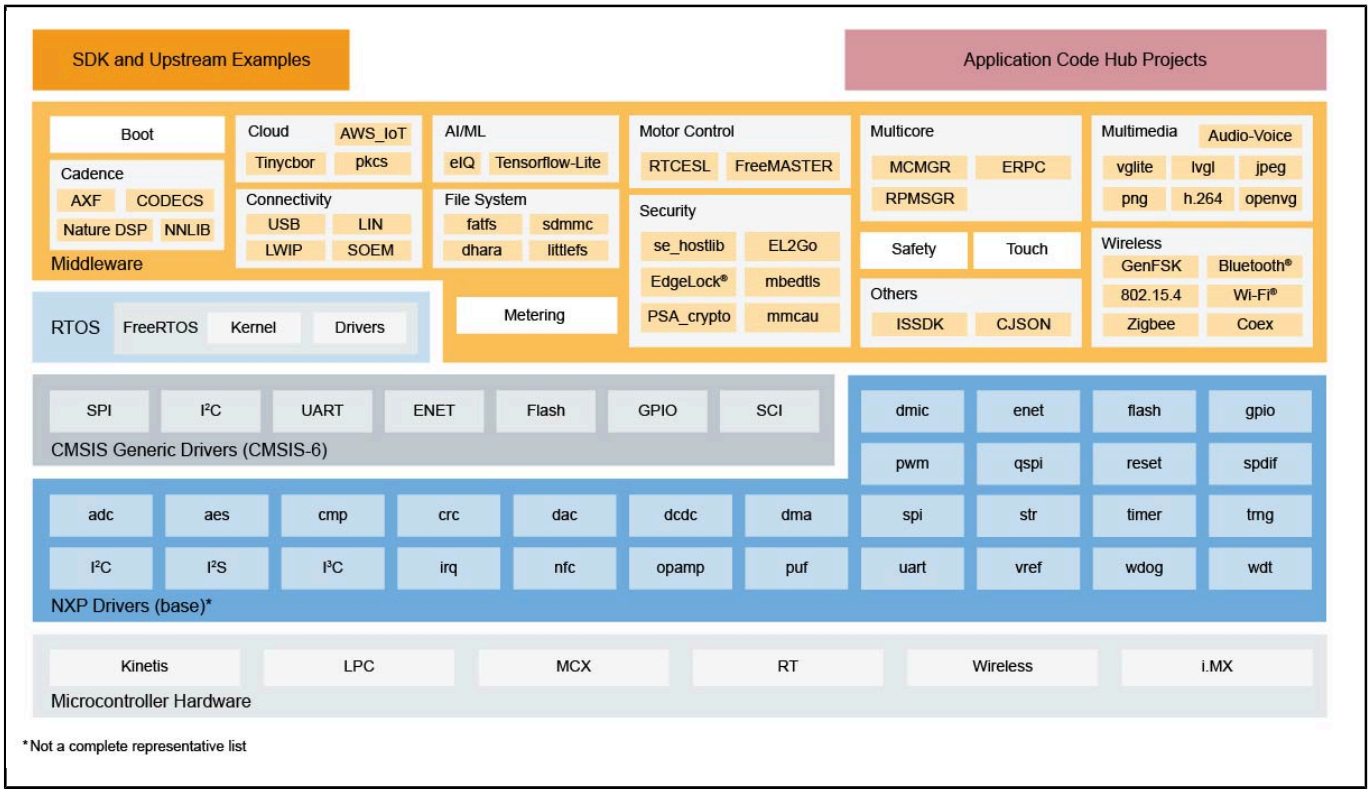
The MCUXpresso SDK is inherently compatible with MCUXpresso IDE, MCUXpresso for VS Code but also supports and provides example projects for IAR Embedded Workbench, KEIL MDK, and GCC with Cmake.

Underscoring our commitment to high quality, the MCUXpresso SDK is checked with Coverity® static analysis tools. Custom SDK packages are available as custom archives or west manifests based on user selections of MCU, evaluation board, and/or optional software components.

## MCUXpresso SDK High-Level Block Diagram Block Diagram




## MCUXpresso SDK Detailed Block Diagram Block Diagram



View additional information for MCUXpresso Software Development Kit (SDK).

**Note:** The information on this document is subject to change without notice.

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