



# KW45: 32-Bit Bluetooth® 5.3 Long-Range MCUs with CAN FD and LIN Bus Options, Arm® Cortex®-M33 Core

## KW45

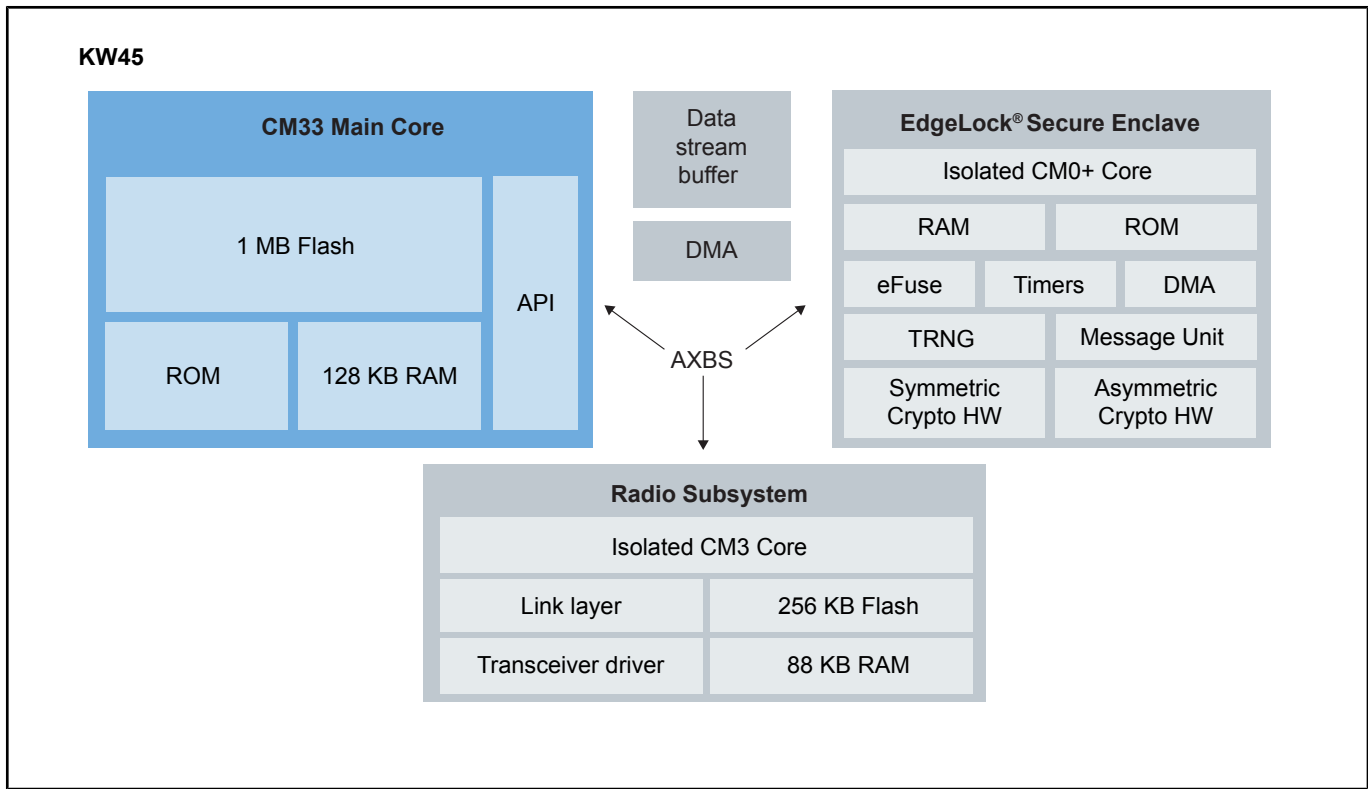
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KW45's three-core architecture integrates a 96 MHz CM33 application core, dedicated CM3 radio core and an isolated EdgeLock Secure Enclave. The Flash-based radio core with dedicated SRAM delivers a highly configurable and upgradeable software-implemented radio, freeing resources on the main core for customer application space.

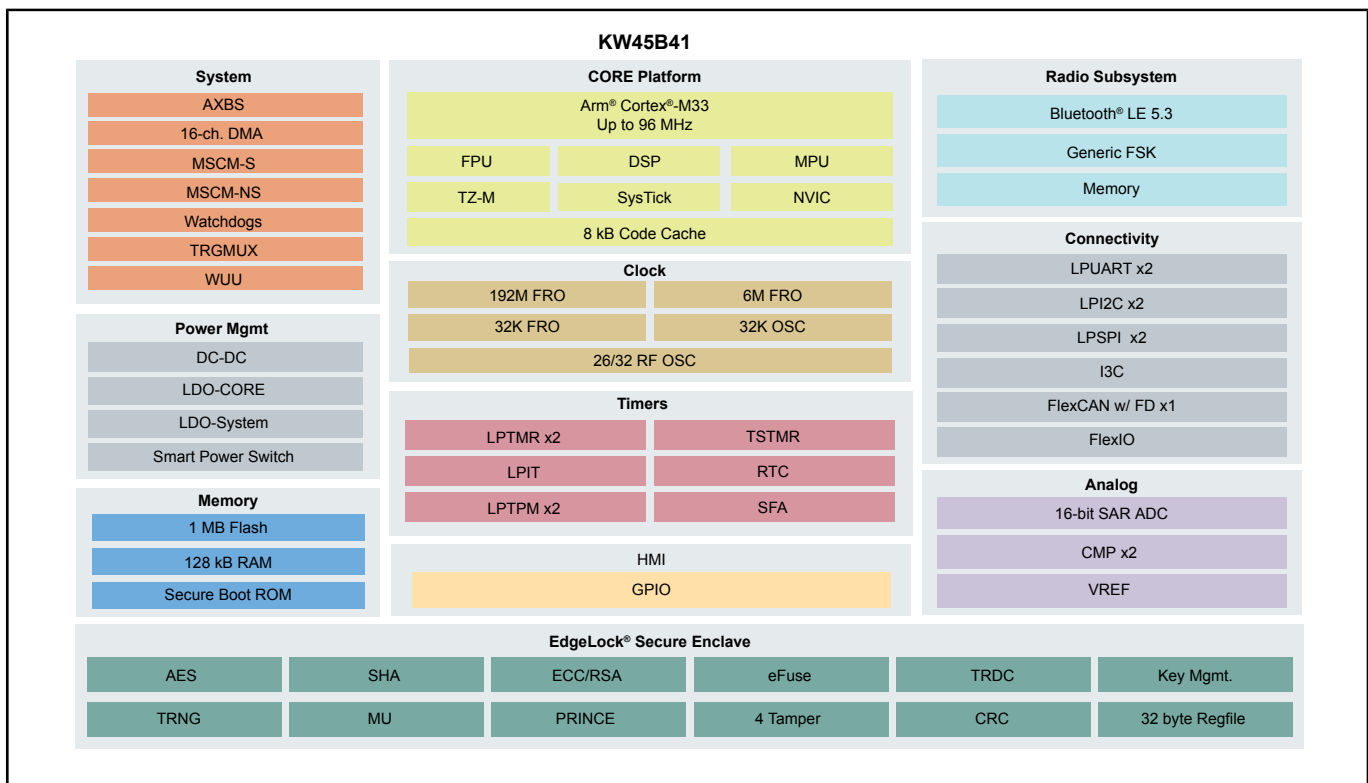
The Bluetooth Low Energy 5.3-compliant radio supports up to 24 simultaneous secure connections. The EdgeLock Secure Enclave's isolated execution environment provides a set of cryptographic accelerators, key store operations and secure lifecycle management that minimizes main core security responsibilities.

The KW45 MCU additionally integrates FlexCAN, helping enable seamless integration into an automobile's in-vehicle or industrial CAN communication network. The FlexCAN module can support CAN's flexible data rate (CAN FD) for increased bandwidth and lower latency.

## KW45 Architecture Block Diagram



## KW45 Device Features Block Diagram



View additional information for [KW45: 32-Bit Bluetooth® 5.3 Long-Range MCUs with CAN FD and LIN Bus Options, Arm® Cortex®-M33 Core](#).

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

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