



MCX L25 Ultra-Low-Power MCUs with Dedicated Sense Domain

MCX-L25

Preproduction

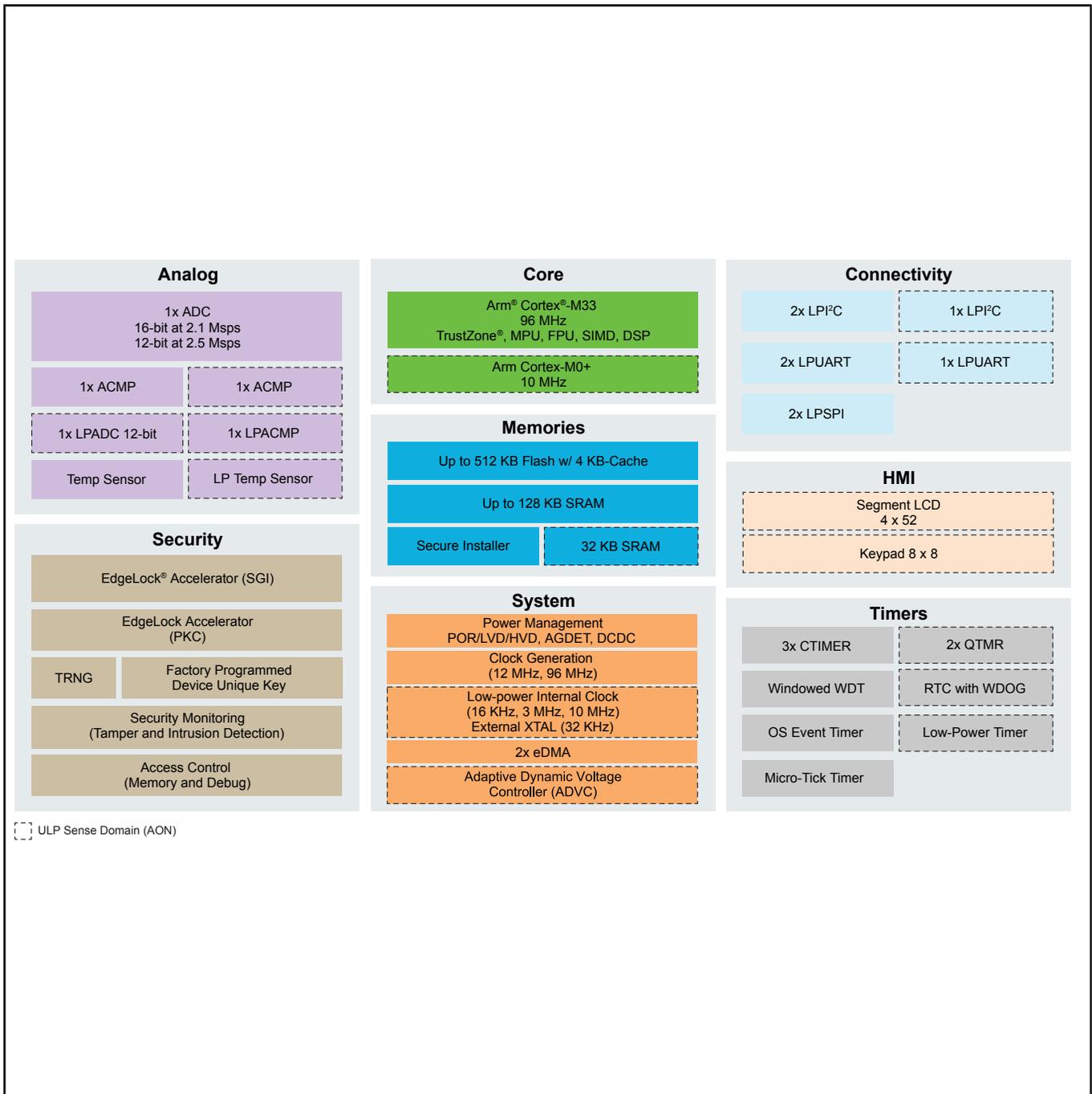
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MCX L25 Series Cortex®-M33 MCUs extends battery life for edge devices operating low-power sensors and HMI. They feature an Arm® Cortex®-M33 core running up to 96 MHz with an autonomous sense domain powered by an Arm® Cortex®-M0+ core up to 10 MHz for continuous data acquisition and processing in power-efficient standalone operation including ADC, Analog Compare, I²C, UART and Segment LCD. The dual domain architecture also enables physical separation of applications, on top of code isolation provided by TrustZone on the Cortex®-M33 core, simplifying the development and certification of metrology applications.

MCX L Series features EdgeLock® security capabilities for secure boot and crypto accelerators to meet demanding requirements for wired and over-the-air low power transactions. The devices are supported by the [MCUXpresso Developer Experience](#) to optimize, ease and help accelerate embedded system development.

MCX L25 Block Diagram Block Diagram



View additional information for [MCX L25 Ultra-Low-Power MCUs with Dedicated Sense Domain](#).

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