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

MCX-L25

Preproduction

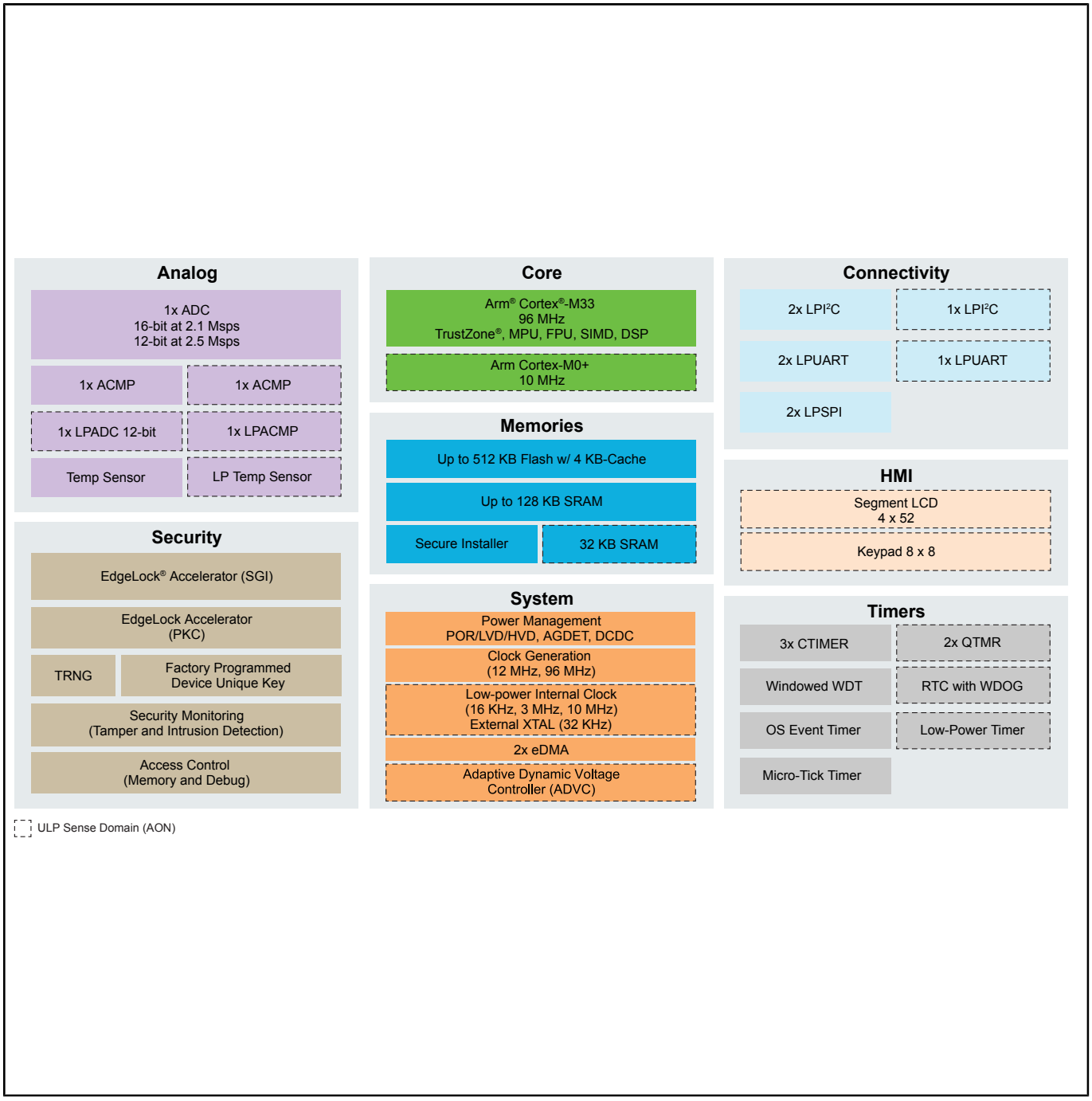
This page contains information on a preproduction product. Specifications and information herein are subject to change without notice. For additional information please contact your sales representative.

Last Updated: Sep 10, 2026

Start your next MCX design with confidence, backed by NXP's resilient manufacturing strategy and dependable product availability.
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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