



MCX A36 Mixed-Signal MCU Arm® Cortex®-M33 240 MHz with Security and Rich Analog Peripherals

MCX-A36 NEW

Preproduction

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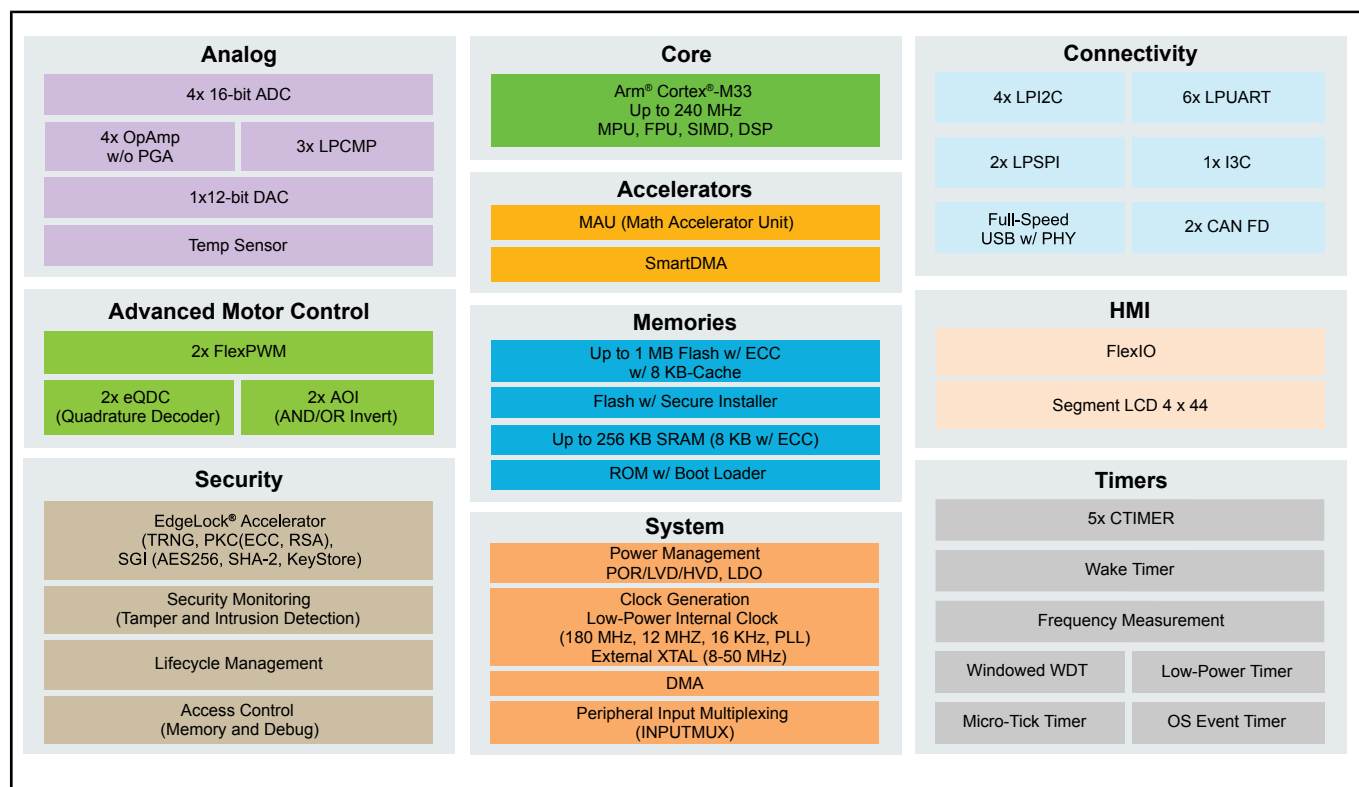
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The MCX A36 family of microcontrollers is optimized for motor control applications and includes a Math Accelerate Unit (MAU) for enhanced performance. It features two flexible pulse width modulators (FlexPWM) submodules—including AND/OR invert (AOI)—supporting up to four 16-bit analog-to-digital-converters (ADCs) and a rich set of serial interfaces. Additionally, smart direct memory access (SmartDMA) and flexible input/output (FlexIO) provide versatile peripheral integration for advanced designs.

The MCX A365 and A366 devices deliver high-performance motor control capabilities, operating at speeds up to 240 MHz with up to 1 MB of Flash memory, 256 kB of RAM and integrated security features.

These devices are supported by the MCUXpresso Developer Experience to simplify development, optimize workflows and accelerate embedded system design.

MCX A365 and A366 MCUs Block Diagram



View additional information for [MCX A36 Mixed-Signal MCU Arm® Cortex®-M33 240 MHz with Security and Rich Analog Peripherals](#).

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