



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

## MCX-A36

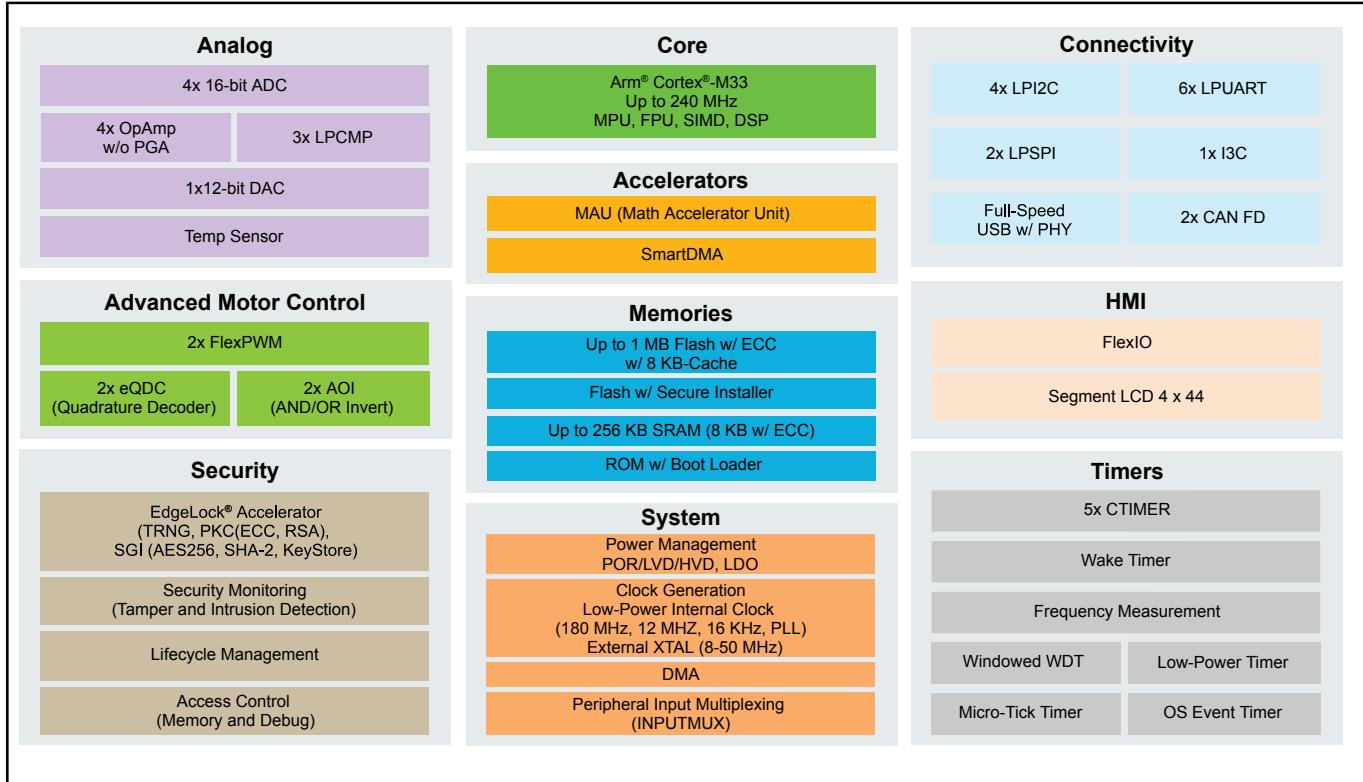
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The MCX A36 family of microcontrollers is optimized for motor control applications and includes a Math Accelerate Unit (MAU) for enhanced performance. It features two flexible pulse width modulators (FlexPWM) submodules—including AND/OR invert (AOI)—supporting 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](#).

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

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