



MCX A35: Mixed-Signal Arm® Cortex®-M33 MCU at 240 MHz for Advanced Motor Control at 240 MHz

MCX-A35

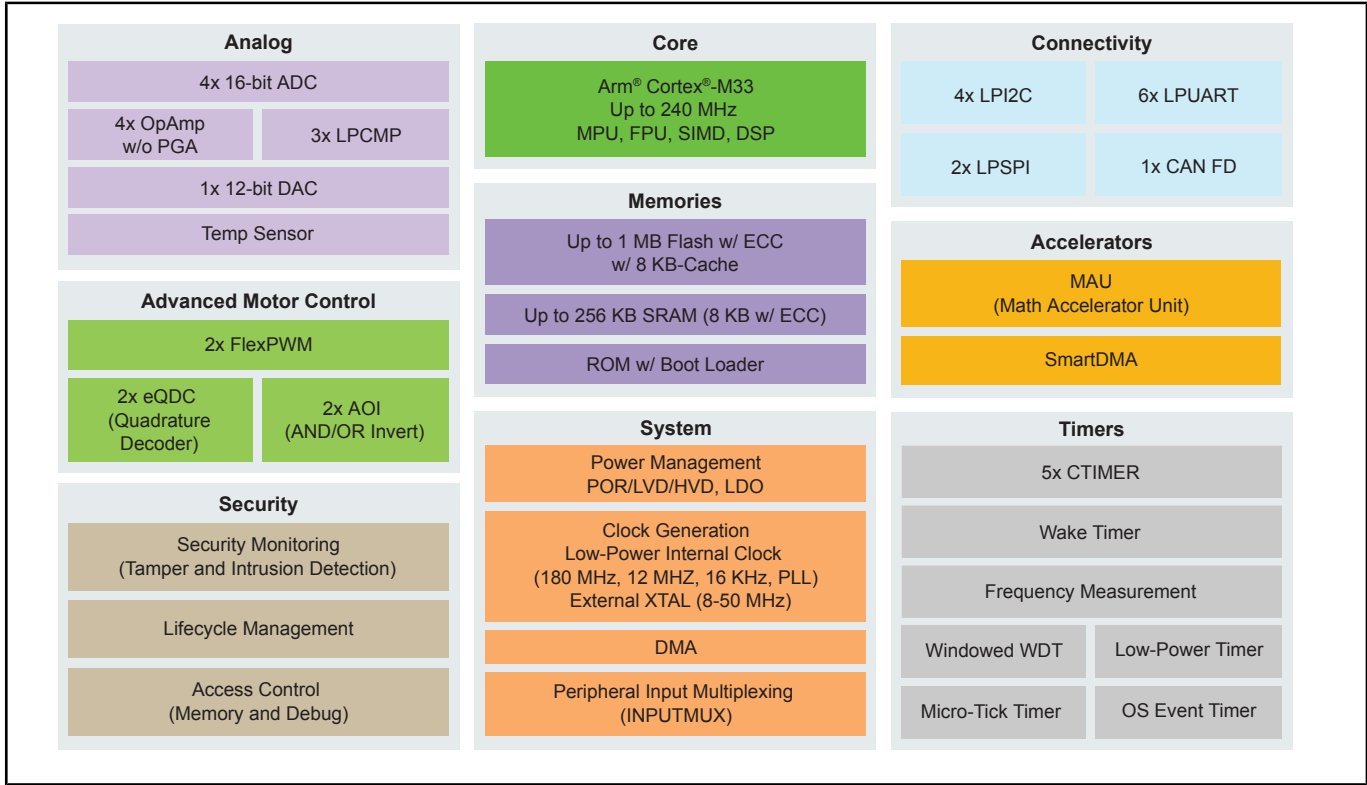
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The MCX A35 family of mixed-signal MCUs is designed for high-performance motor control applications. These devices use high-performance Arm® Cortex®-M33 cores running up to 240 MHz and deliver strong processing performance. MCX A35 MCUs integrate an optimized motor control accelerator unit (MAU), 2x flex pulse width modulator (FlexPWM) modules with four submodules, AND/OR/INVERT (AOI) and 4x analog-to-digital converters (ADCs) for accurate motor sensing and control. They also feature a rich set of serial peripherals including Smart direct memory access (SmartDMA) to support efficient data movement without CPU overhead.

The MCX A355 and A356 offer up to one MB of Flash and 256 KB of RAM to enable real-time control tasks. All devices in the family are supported by the [MCUXpresso Developer Experience](#) to streamline development and accelerate time to market.

MCX A355 and MCX A356 Block Diagram



View additional information for [MCX A35: Mixed-Signal Arm® Cortex®-M33 MCU at 240 MHz for Advanced Motor Control at 240 MHz](#).

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