



# MCX A34: Mixed-Signal MCUs for Motor Control and High Performance Analog Peripherals

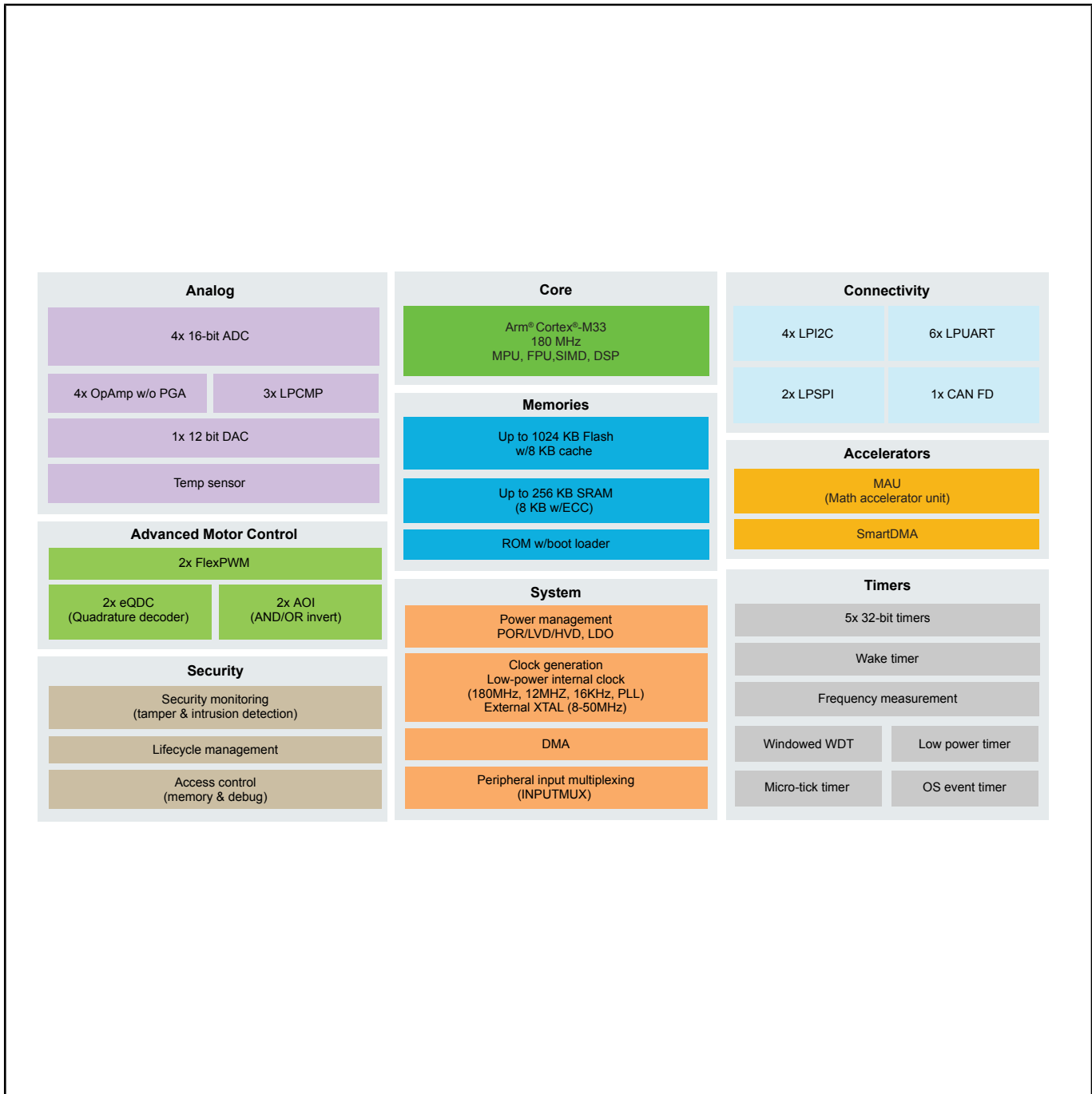
## MCX-A34

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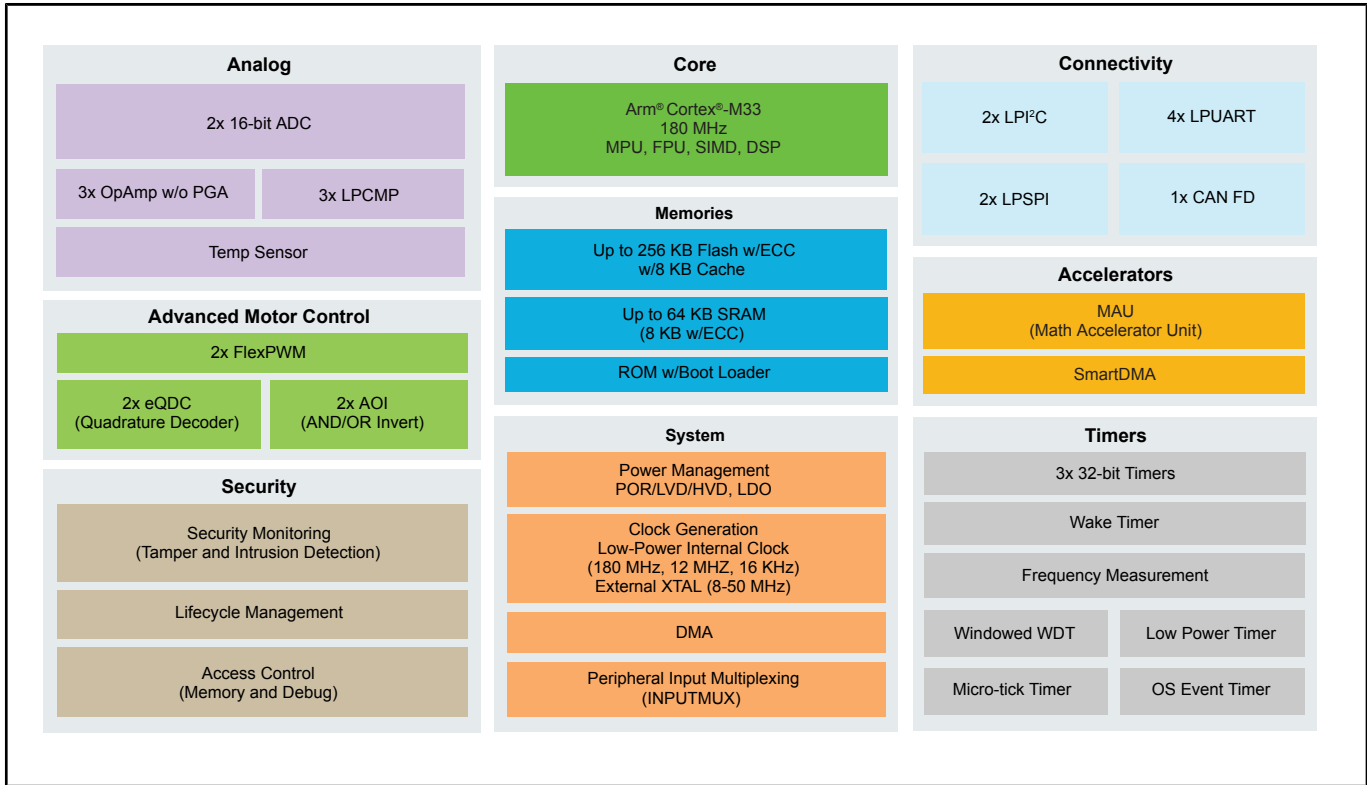
The MCX A34 family of mixed-signal MCUs is purpose-built for motor control applications. These devices use high-performance Arm® Cortex®-M33 cores running up to 180 MHz and deliver strong processing performance. MCX A34 MCUs offer flexible memory configurations from 256KB to 1MB Flash and 64KB to 256KB RAM. MCX A34 MCUs are optimized with the math accelerate unit (MAU) engine and integrate 2x FlexPWM modules with 4 submodules, AOI and up to 4x ADCs. They also feature a rich set of serial peripherals including SmartDMA to support complex control and communication needs.

All devices in the family are supported by the [MCUXpresso Developer Experience](#), which streamlines development and accelerates time-to-market for embedded systems.

## MCX A345 and A346 MCUs Block Diagram



## MCX A343 and A344 MCUs Block Diagram



View additional information for [MCX A34: Mixed-Signal MCUs for Motor Control and High Performance Analog Peripherals](#).

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

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