



MCX A17: Essential Arm® Cortex® M33 MCU with 180 MHz and Rich Serial Peripherals

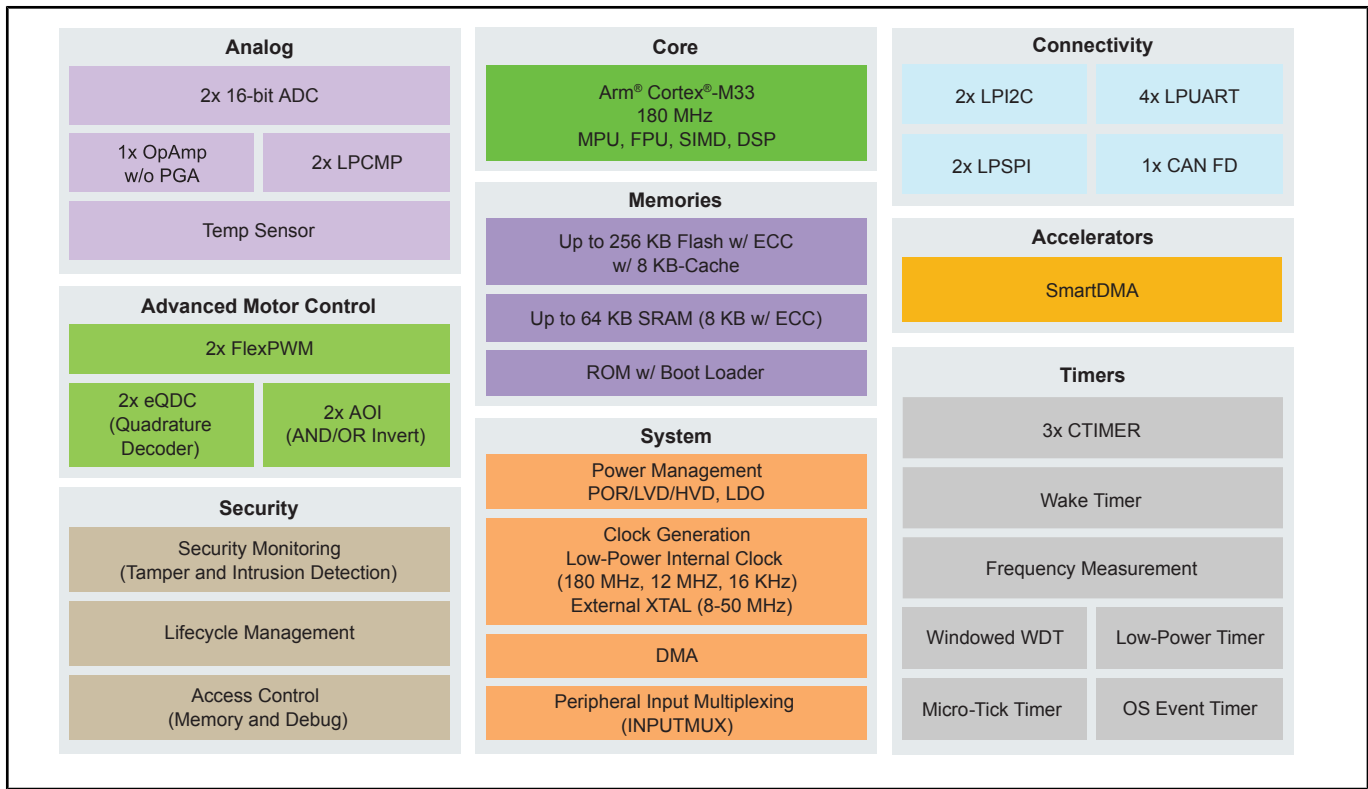
MCX-A17

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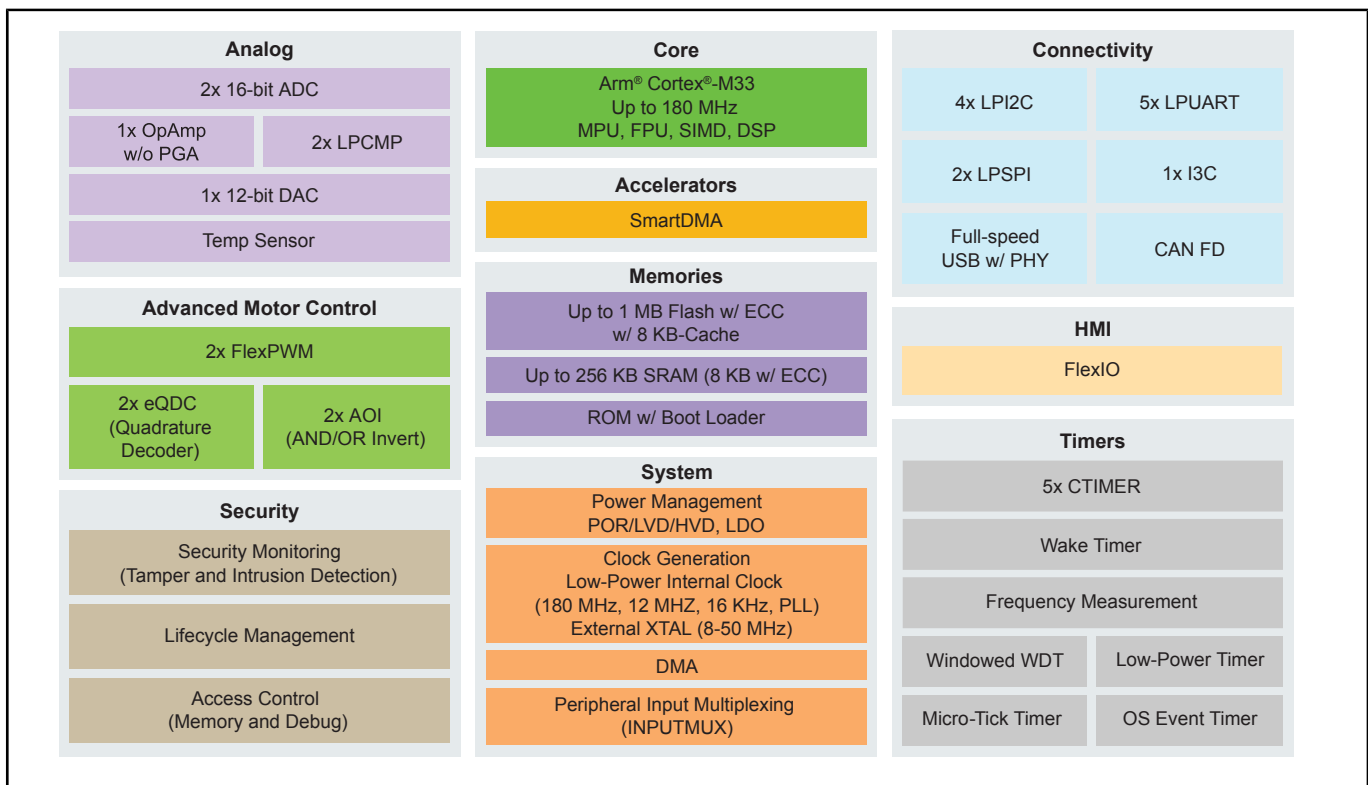
The MCX A17 family is optimized for [motor control](#) applications, delivering high performance and advanced integration. These devices feature Arm® Cortex®-M33 cores, operating at up to 180 MHz. The MCX A17 family features two with four submodules each, which are enhanced by AOI logic for sophisticated motor control. They also include up to two ADCs, SmartDMA for efficient data handling, and a rich set of serial interfaces such as I3C, CAN FD, USB, and FlexIO.

The MCX A175 and MCX A176 provide up to 1 MB of Flash and 256 KB of RAM. The MCX A173 and MCX A174 offer up to 256 KB of Flash and 64 KB of RAM. These features give developers flexibility to match application needs. MCX A17 devices are supported by the [MCUXpresso Developer Experience](#), which provides a comprehensive suite of tools to simplify development and accelerate time-to-market.

MCX A173 and MCX A174 Block Diagram



MCX A175 and MCX A176 Block Diagram



View additional information for [MCX A17: Essential Arm® Cortex® M33 MCU with 180 MHz and Rich Serial Peripherals](#).

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