



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

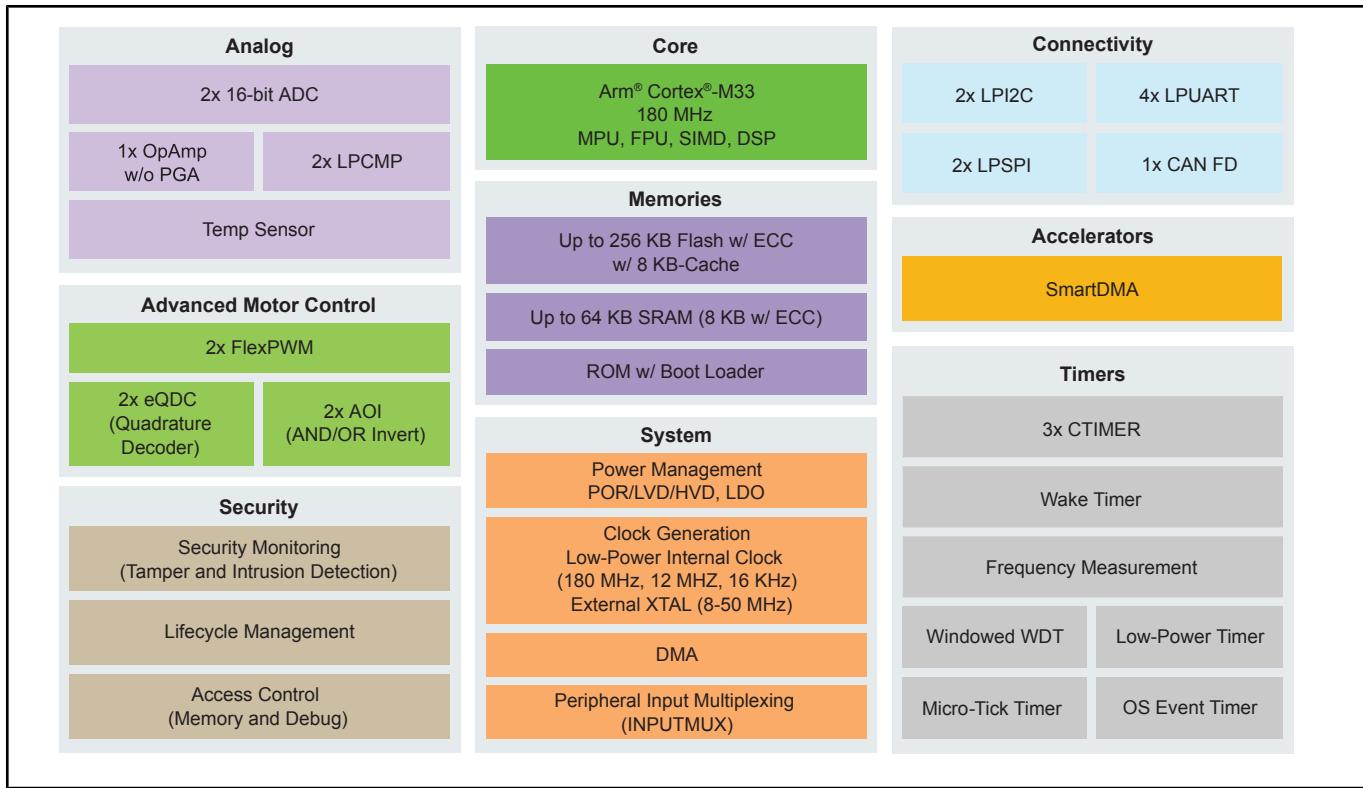
MCX-A17

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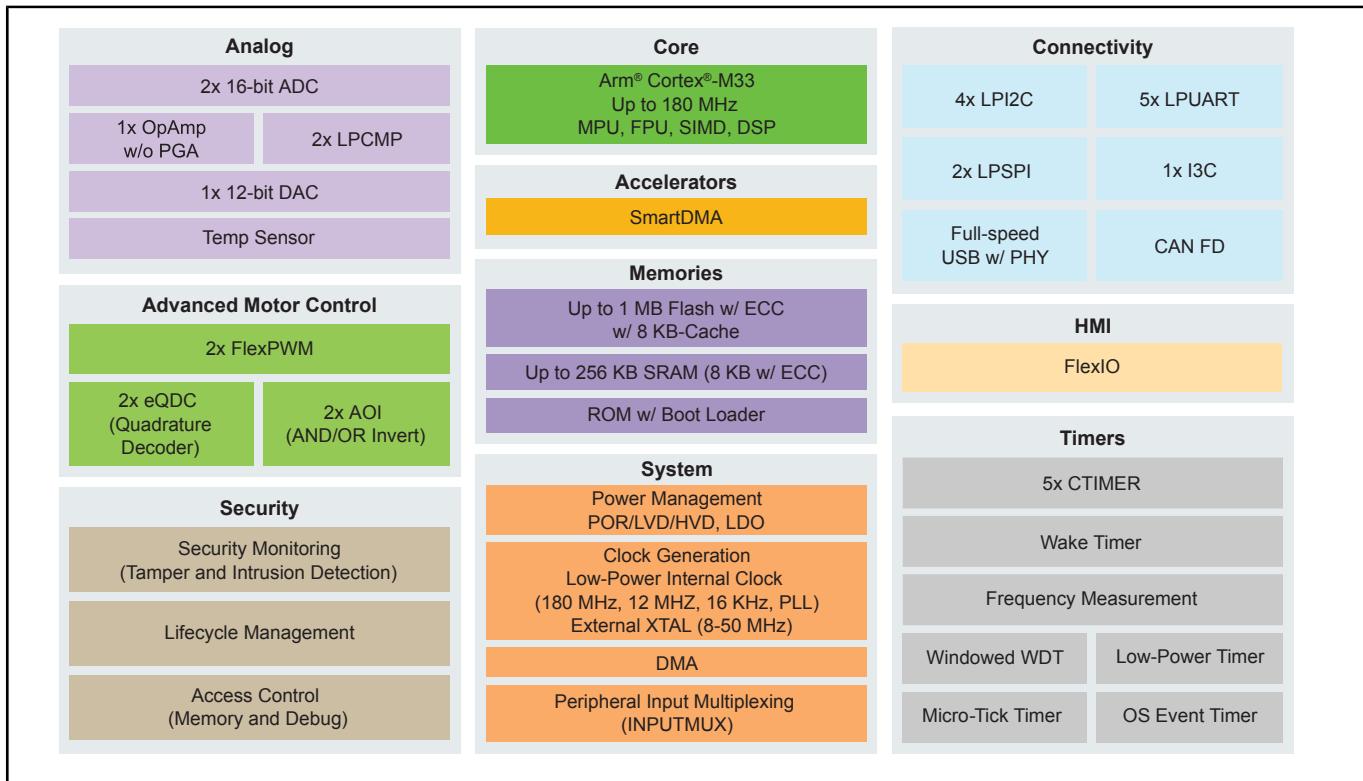
The MCX A17 family is optimized for motor control applications, delivering high performance and advanced integration. These devices operate at up to 180 MHz and feature two FlexPWM modules with four submodules each, enhanced by AOI logic for sophisticated motor control. They also include up to two ADCs, SmartDMA for efficient data handling, and a rich set of serial interfaces such as I3C, CAN FD, USB, and FlexIO.

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

MCX A173 and A174 Block Diagram



MCX A175 and A176 Block Diagram



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

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