



MCX A25 Enhanced Mainstream MCU Arm® Cortex® M33 with 180 MHz, Rich Serial Peripherals and Security

MCX-A25

Preproduction

This page contains information on a preproduction product. Specifications and information herein are subject to change without notice. For additional information please contact your sales representative.

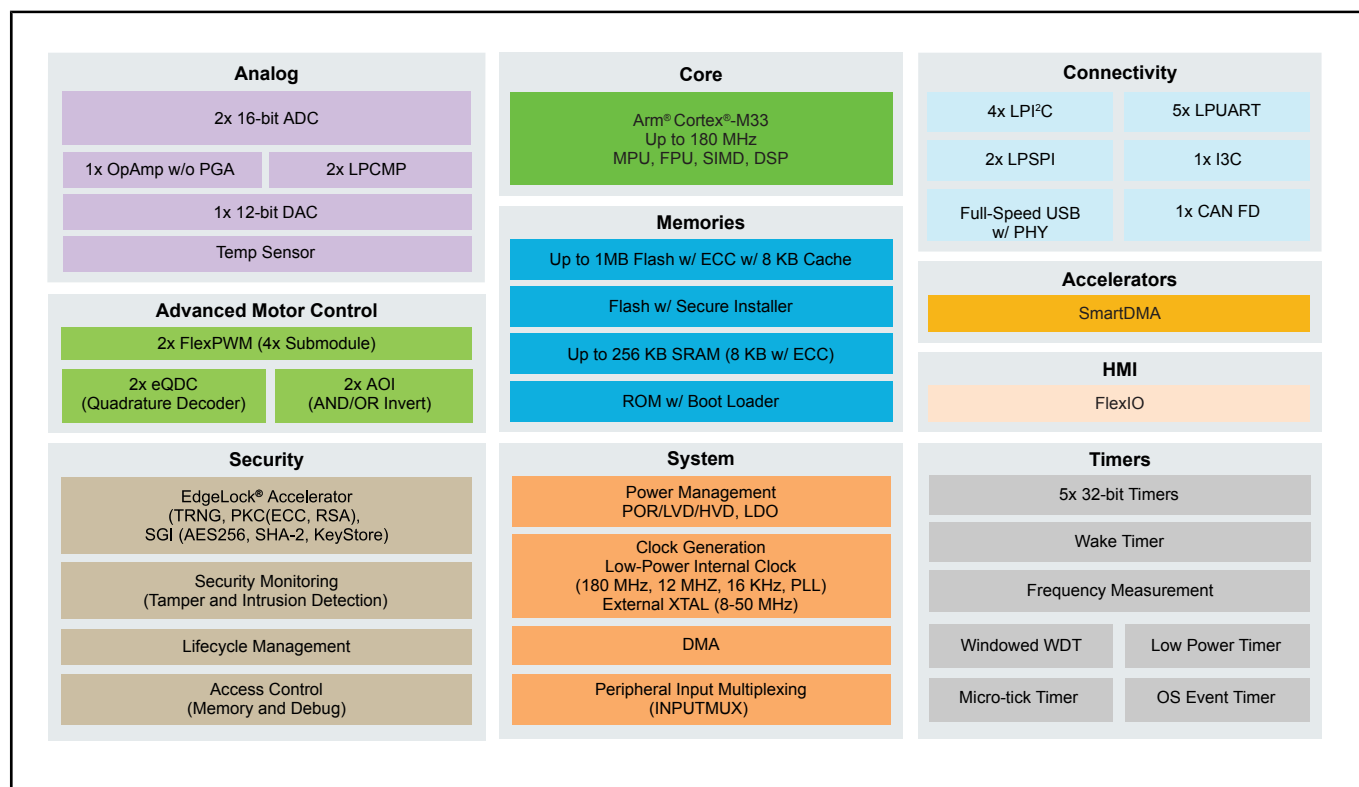
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The MCX A25 family of microcontrollers delivers high-performance embedded processing with support for speeds up to 180 MHz, 1 MB Flash and 256 kB RAM. Designed for PC accessories and motor control applications, these MCUs offer a rich set of serial peripherals including Full-Speed USB, I3C, FlexIO, SmartDMA and advanced security features.

For motor control, MCX A25 integrates 2x FlexPWM modules, each with 4 submodules, combined with AOI and up to 2x ADCs, enabling precise and efficient control.

Developers benefit from the MCUXpresso Developer Experience, which streamlines development, enhances productivity and accelerates time to market for embedded systems.

MCX A255 A256 Block Diagram



View additional information for [MCX A25 Enhanced Mainstream MCU Arm® Cortex® M33 with 180 MHz, Rich Serial Peripherals and Security](#).

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