



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

MCX-A25

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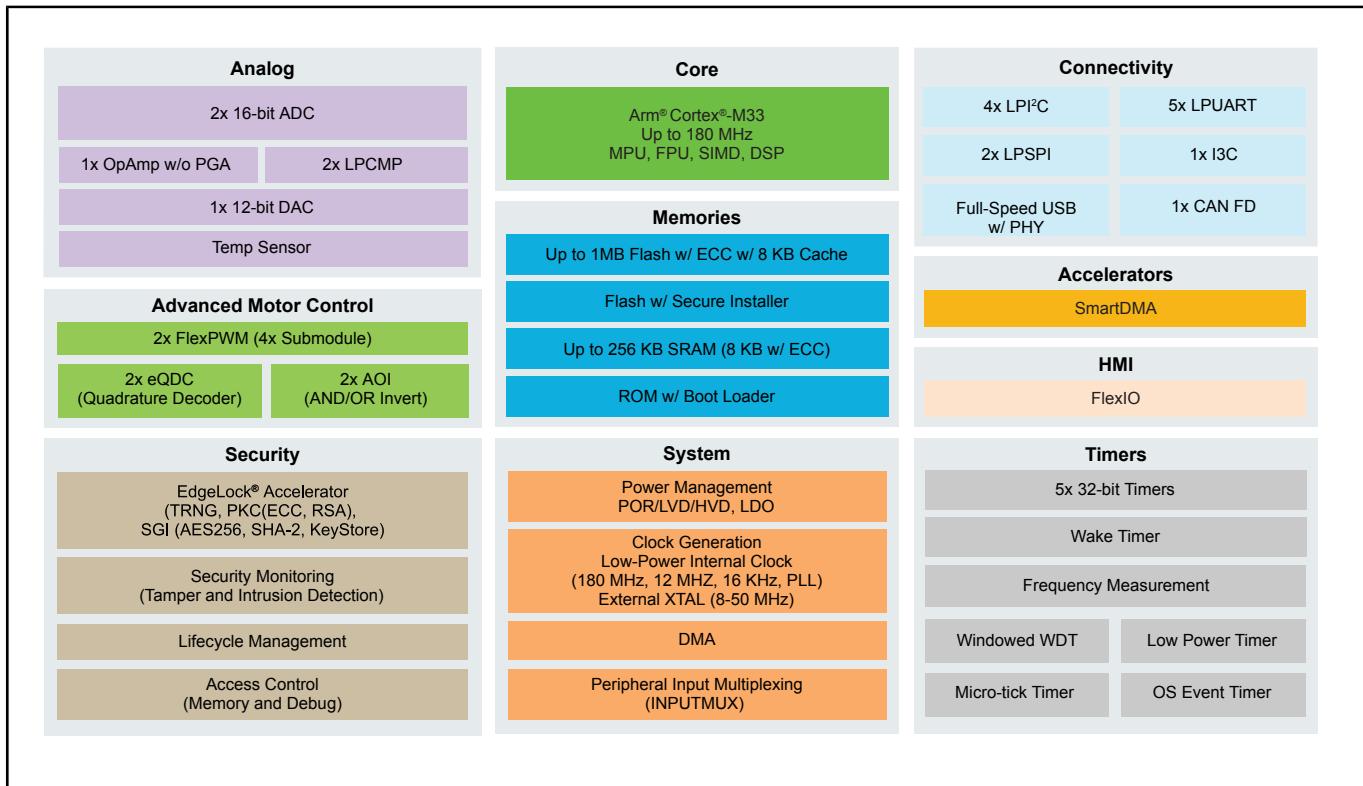
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The MCX A25 family of microcontrollers delivers high-performance embedded processing with support for speeds up to 180 MHz, 1 MB Flash and 256 kB RAM. Designed for PC accessories and motor control applications, these MCUs offer a rich set of serial 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](#).

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

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