MCX E31: Robust 5 V MCU for Safe, Secure Industrial Automation

MCX-E31

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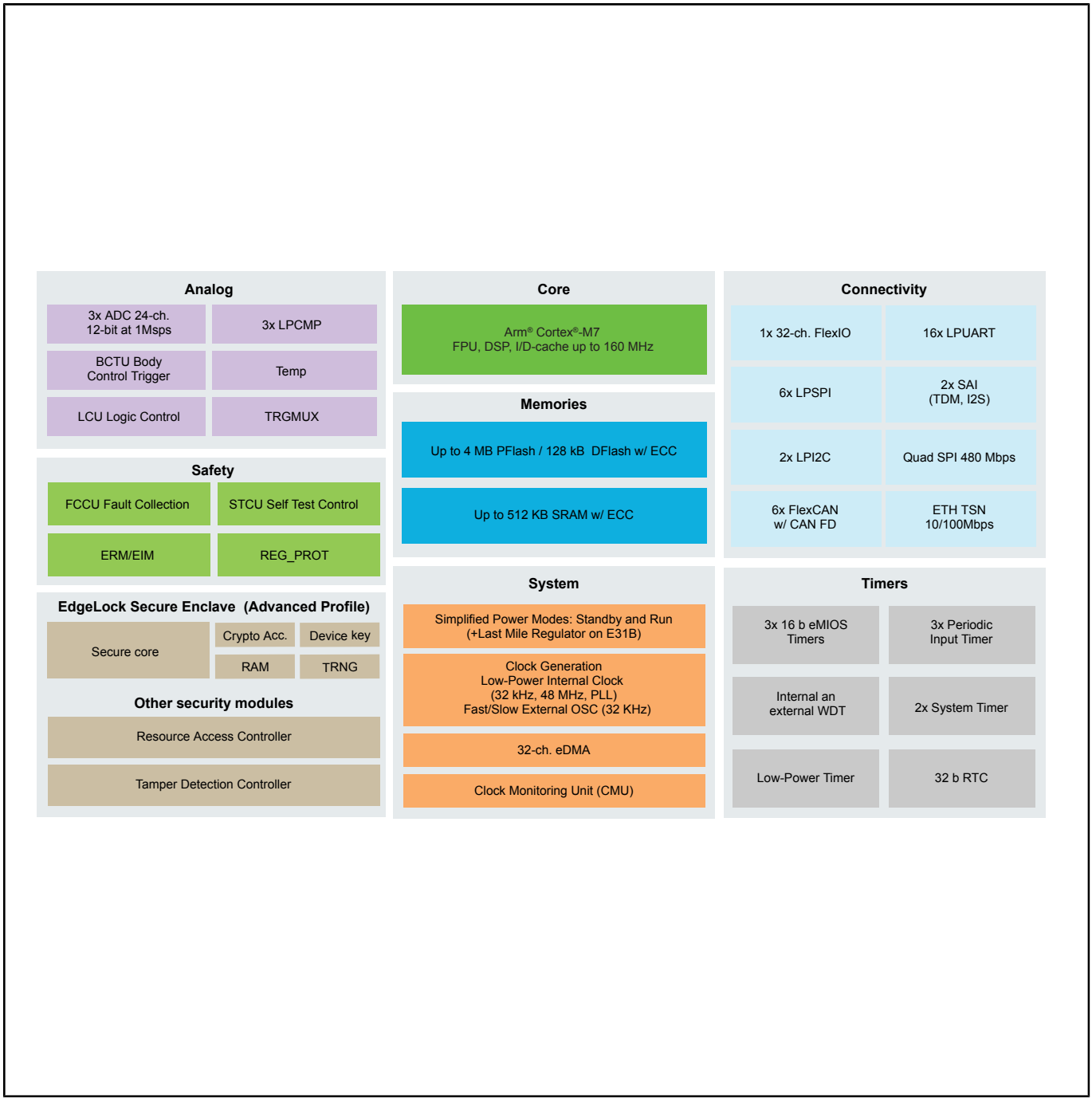
Start your next MCX design with confidence, backed by NXP's resilient manufacturing strategy and dependable product availability.
The MCX E31 expands NXP’s scalable portfolio of Arm® Cortex® M-based microcontrollers with a higher-performance Cortex M7 core, increased memory, IEC 61508 SIL 2 functional safety support and an advanced security enclave. Our NXP Safe Assure program helps customers achieve functional safety certification.

Designed for safe and robust operation in commercial and industrial environments, the MCX E31 is ideal for applications that are exposed to harsh electrical conditions. It offers a cost-optimized solution with compact package options, a broad range of memory and peripheral configurations. Consistent pinouts across the family enable easy migration and design reuse.

These devices are supported by the MCUXpresso Developer Experience to facilitate optimized embedded system development.

MCX E31 MCUs Block Diagram



View additional information for MCX E31: Robust 5 V MCU for Safe, Secure Industrial Automation.

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

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