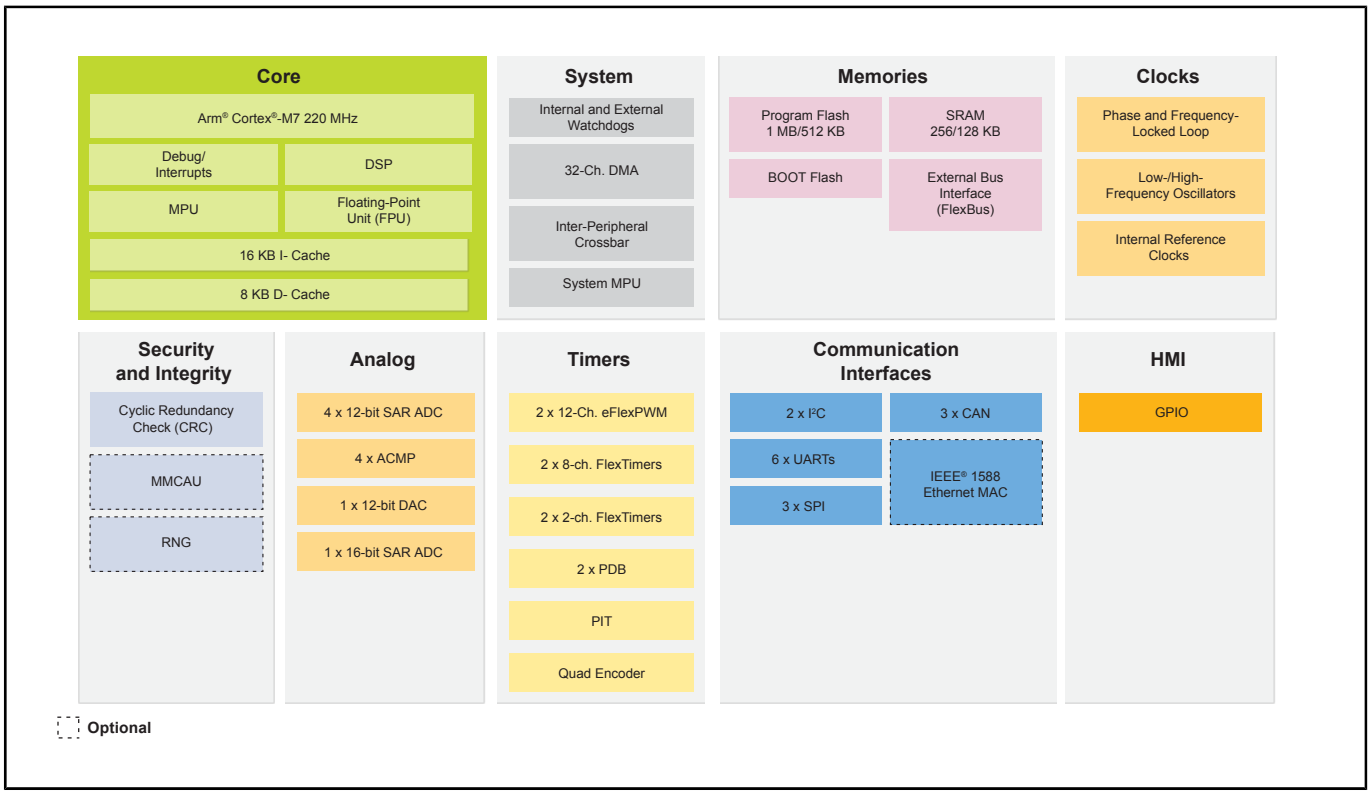
Kinetis® KV5x-240 MHz, Motor Control and Power Conversion, Ethernet, MCUs based on Arm® Cortex®-M7

KV5x

Last Updated: Dec 16, 2024

The Kinetis® KV5x family of MCU is a high-performance solution offering remarkable precision, sensing and control targeting industrial motor control, industrial drives and automation and power conversion applications. The Kinetis KV5x MCU is built on the Arm® Cortex®-M7 core running at 240 MHz with single precision floating point unit. It features high-resolution pulse-width modulation (PWM) with 260 picosecond resolution, 4x 12-bit analog-to-digital converters (ADCs) sampling at 5 mega samples per second (MS/s), 3 FlexCAN modules, optional Ethernet communications and comprehensive enablement suite from NXP® and third-party resources including reference designs, software libraries and motor configuration tools.

KV5x MCU Block Diagram



View additional information for Kinetis® KV5x-240 MHz, Motor Control and Power Conversion, Ethernet, MCUs based on Arm® Cortex®-M7.

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