32-Bit Microcontroller with CAN

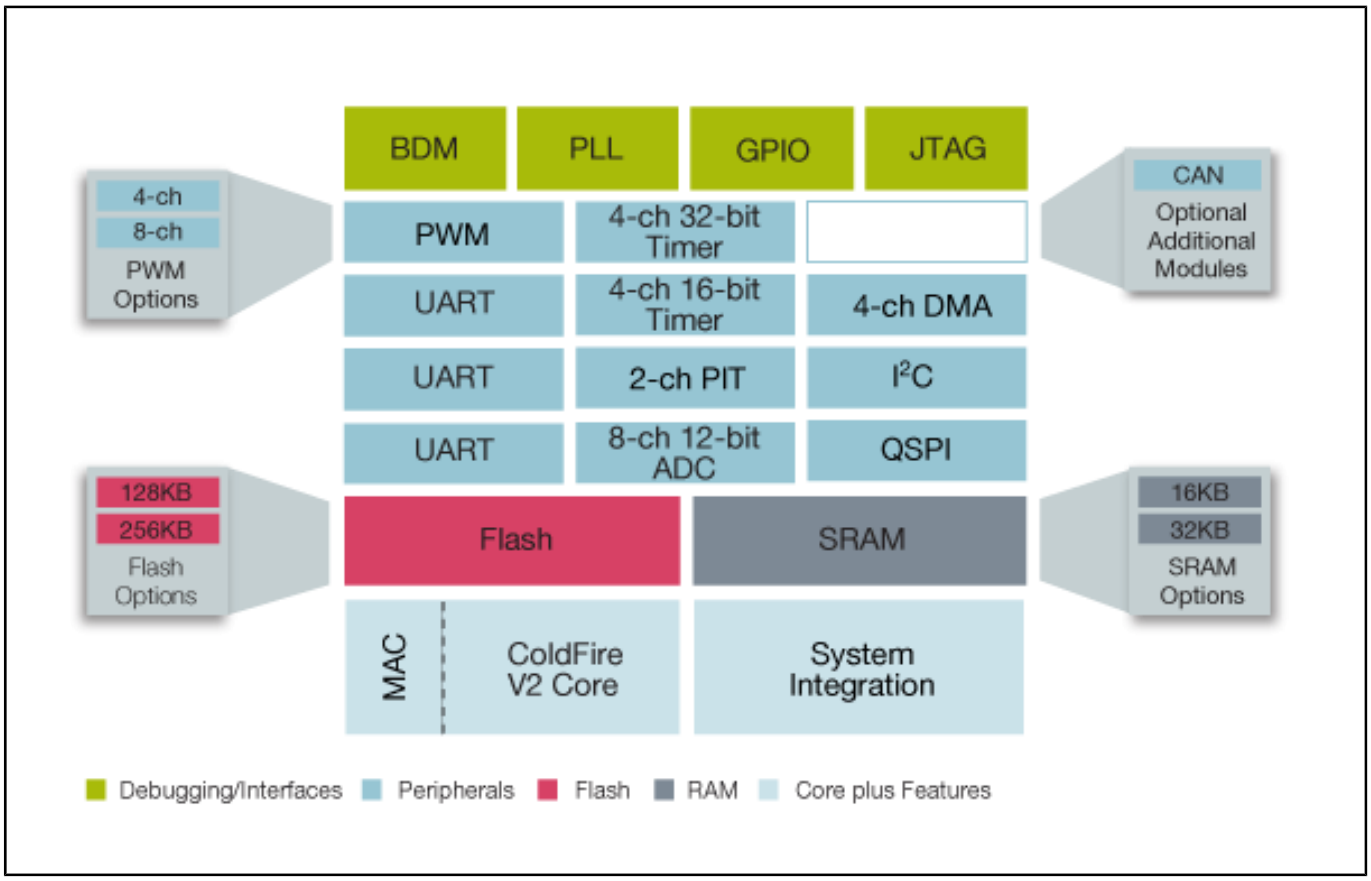
MCF521X

Last Updated: Jan 8, 2026

The MCF521X microcontroller family is a cost-effective, low-power single-chip solution with up to 521 KB of high-performance, near-single access, interleaved and securable embedded flash memory. Moreover, the MCF521X embedded controller communication peripherals provide easy connection to other systems. Three universal asynchronous receiver/transmitters (UARTS) enable medium-to long-distance communication to other control systems or computers. An inter-integrated circuit (I^2C) and queued serial peripheral interface (QSPI) enable in-system communication to connected peripherals and systems, including LCDs and keyboards. This is offered along with the high-performance ColdFire® V2 core that even incorporates a multiply and accumulate module (MAC)-enhanced multiply and accumulate module (eMAC) for DSP-like operation.

Higher-end MCF5214 and MCF5216 provide an upgrade for current MMC2107, MMC2113 and MMC2114 users requiring more flash and/or higher performance with a richer set of the same peripheral mix while standardizing on one cost-effective, low-power MCU family.

ColdFire MCF521X Microcontroller Block Diagram Block Diagram



View additional information for 32-Bit Microcontroller with CAN.

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