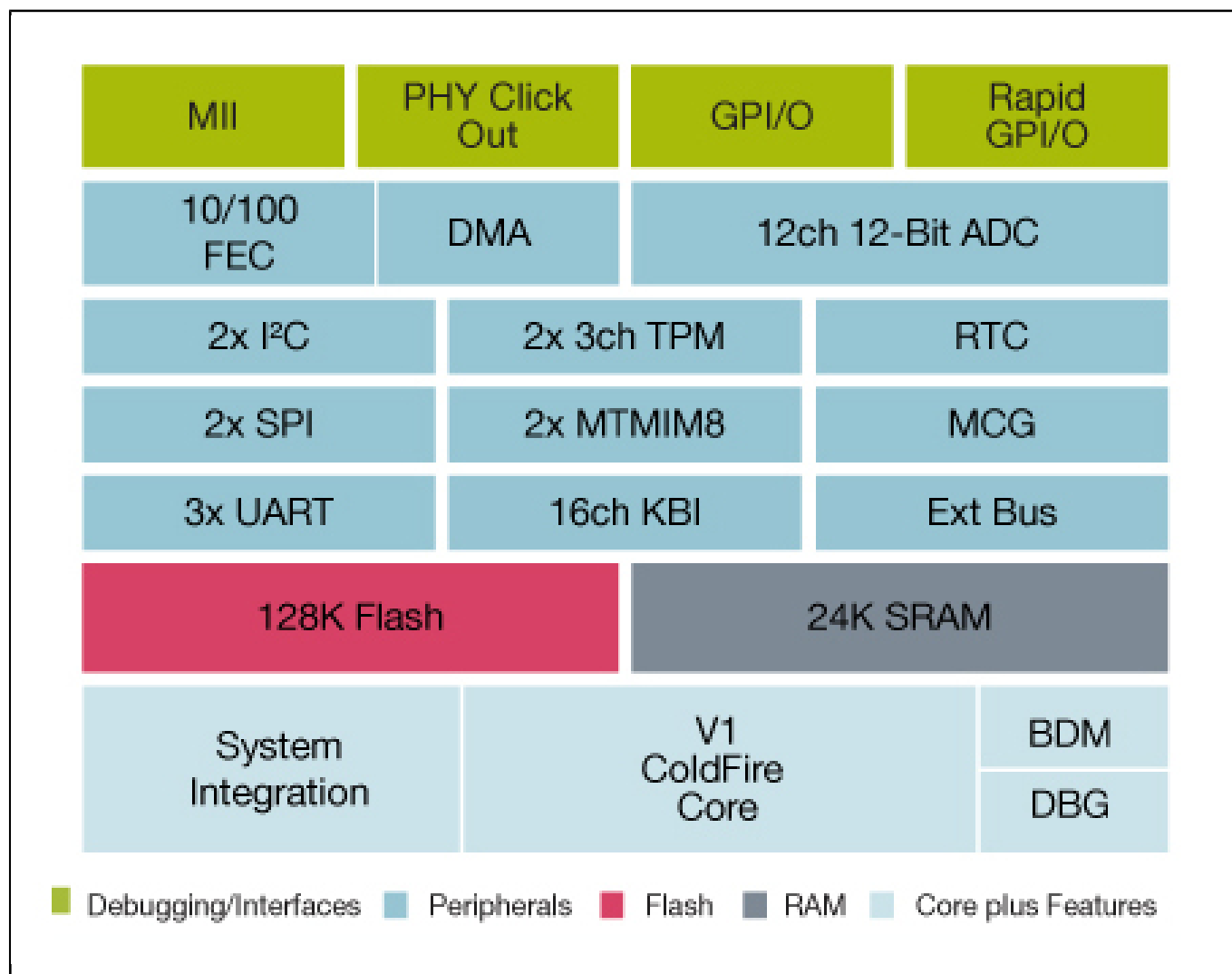# 32-Bit ColdFire V1 Microcontrollers

MCF51CN128

Last Updated: Dec 15, 2024

MCF51CN Ethernet microcontrollers (MCUs) are low-cost, low-power high-performance 32-bit devices designed for developers who want to add Ethernet connectivity to commercial and industrial applications. The MCF51CN128 is the first ColdFire® V1 device to incorporate Ethernet and external bus interface along with new features to minimize power consumption and increase functionality in low-power modes.

ColdFire MCF51CN128 Microcontroller Block Diagram Block Diagram

MII	PHY Click Out	GPI/O	Rapid GPI/O

10/100 FEC	DMA	12ch 12-Bit ADC
2x I²C	2x 3ch TPM	RTC
2x SPI	2x MTMIM8	MCG
3x UART	16ch KBI	Ext Bus

128K Flash	24K SRAM

System Integration	V1 ColdFire Core	BDM
		DBG

Legend: Debugging/Interfaces · Peripherals · Flash · RAM · Core plus Features

View additional information for 32-Bit ColdFire V1 Microcontrollers.

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