ColdFire® V2 Integrated Microprocessor

MCF527X

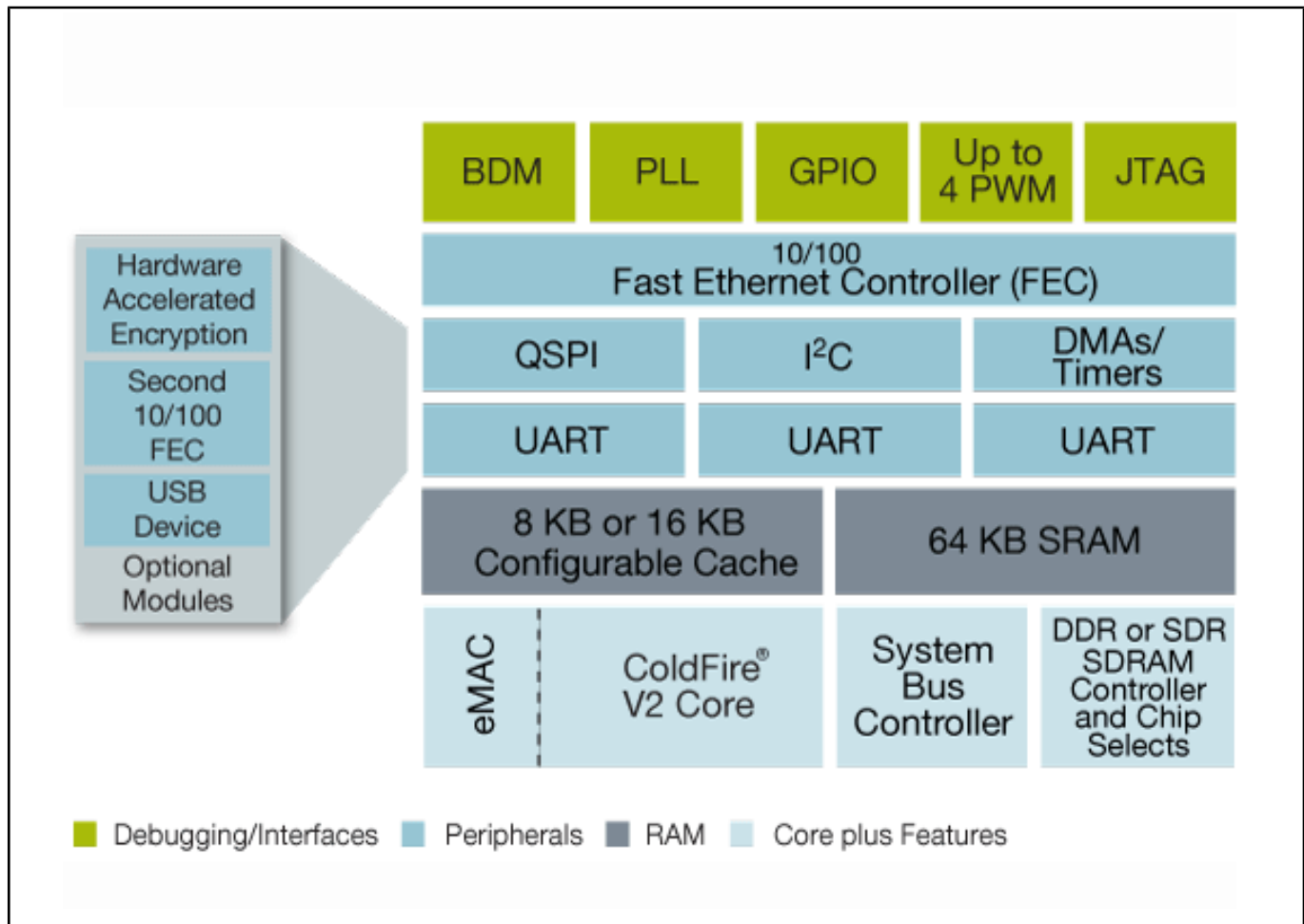**Not Recommended for New Designs**
This page contains information on a product that is not recommended for new designs.

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The MCF527x ColdFire® V2 integrated microprocessor combines high-integration and low-cost with a new level of performance on the popular ColdFire V2 core.

The combination of connection, protection and peripheral selection makes the MCF527 ideal for cost-sensitive, power-conscious applications requiring significant control processing for file management, connectivity, data buffering, user interface and signal processing. Additionally, the MCF5275 and MCF5274 are pin-to-pin compatible.

ColdFire MCF527X Microprocessor Block Diagram Block Diagram

Optional Modules (left):
- Hardware Accelerated Encryption
- Second 10/100 FEC
- USB Device

Debugging/Interfaces:
- BDM
- PLL
- GPIO
- Up to 4 PWM
- JTAG

Peripherals:
- 10/100 Fast Ethernet Controller (FEC)
- QSPI
- I^{2}C
- DMAs/Timers
- UART
- UART
- UART

RAM:
- 8 KB or 16 KB Configurable Cache
- 64 KB SRAM

Core plus Features:
- eMAC
- ColdFire® V2 Core
- System Bus Controller
- DDR or SDR SDRAM Controller and Chip Selects

Legend:
- Debugging/Interfaces
- Peripherals
- RAM
- Core plus Features

View additional information for ColdFire® V2 Integrated Microprocessor.

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