



Flexis 32-Bit ColdFire. V1 Microcontrollers

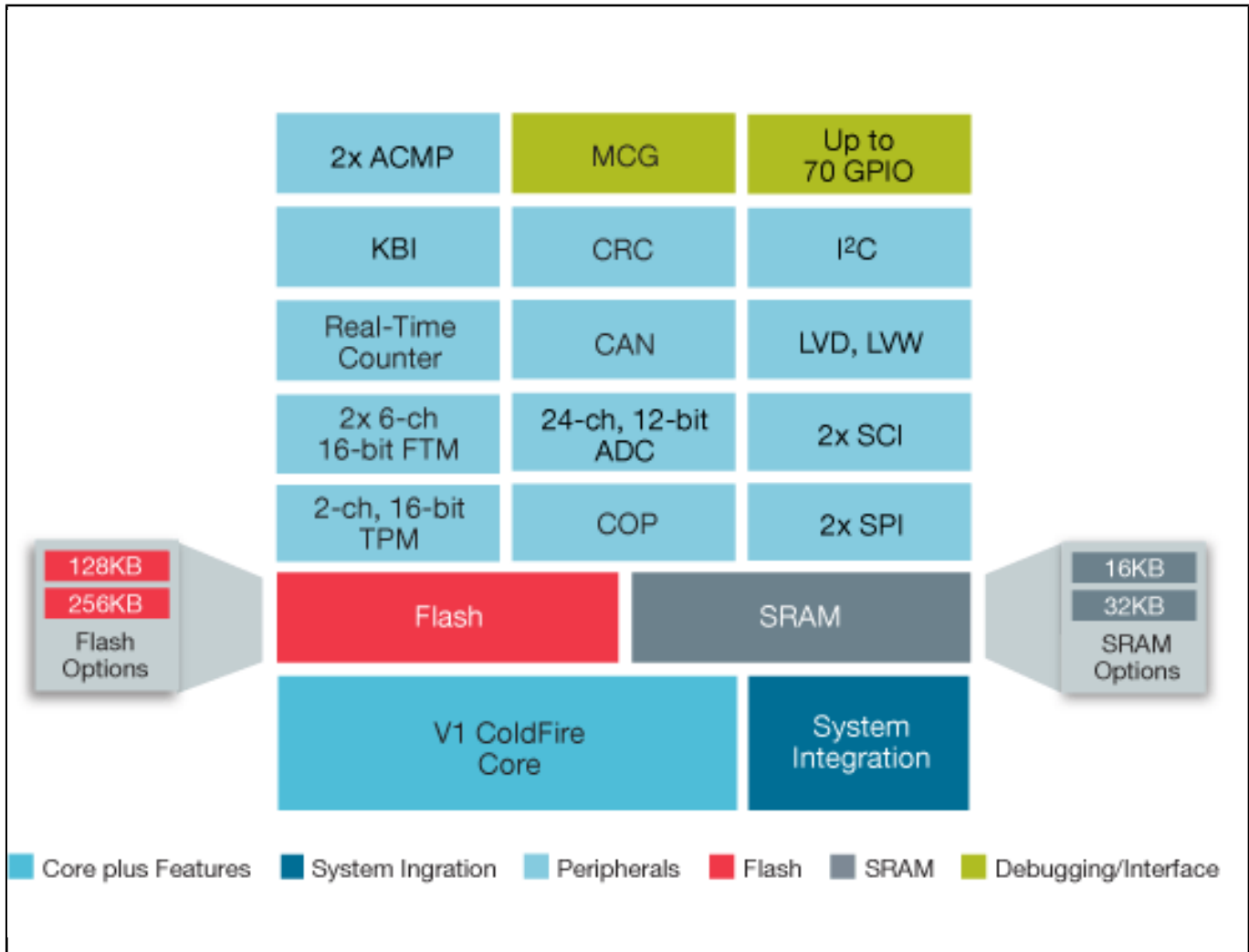
MCF51AC

Last Updated: Aug 8, 2023

The MCF51AC family, comprised of pin-compatible 8-bit and 32-bit device duos, is the third family in the Flexis® series. The Flexis series of controllers is the connection point on the NXP® Controller Continuum, where 8- and 32-bit compatibility becomes reality.

The MCF51AC256/128 device extends the low end of the 32-bit ColdFire® controller family with up to 256 KB flash memory, a controller area network (CAN) module, a 16-bit FlexTimer module, 24-channel, 12-bit analog-to-digital converter (ADC) and delivers up to 25 MHz in bus frequency. The 32-bit MCF51AC256/128 is pin-, peripheral- and tool-compatible with the 8-bit S08AC128/96/60/48/32 devices. They share a common set of peripherals and development tools to deliver the ultimate in migration flexibility.

ColdFire MCF51AC Microcontrollers Block Diagram Block Diagram



View additional information for [Flexis 32-Bit ColdFire. V1 Microcontrollers](#).

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

www.nxp.com

NXP and the NXP logo are trademarks of NXP B.V. All other product or service names are the property of their respective owners. The related technology may be protected by any or all of patents, copyrights, designs and trade secrets. All rights reserved. © 2024 NXP B.V.