



# S12GC Automotive and Industrial Microcontrollers (MCUs)

## S12GC

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The MC9S12GC128 MCU is a 16-bit device composed of the top on-chip peripherals for your automotive designs.

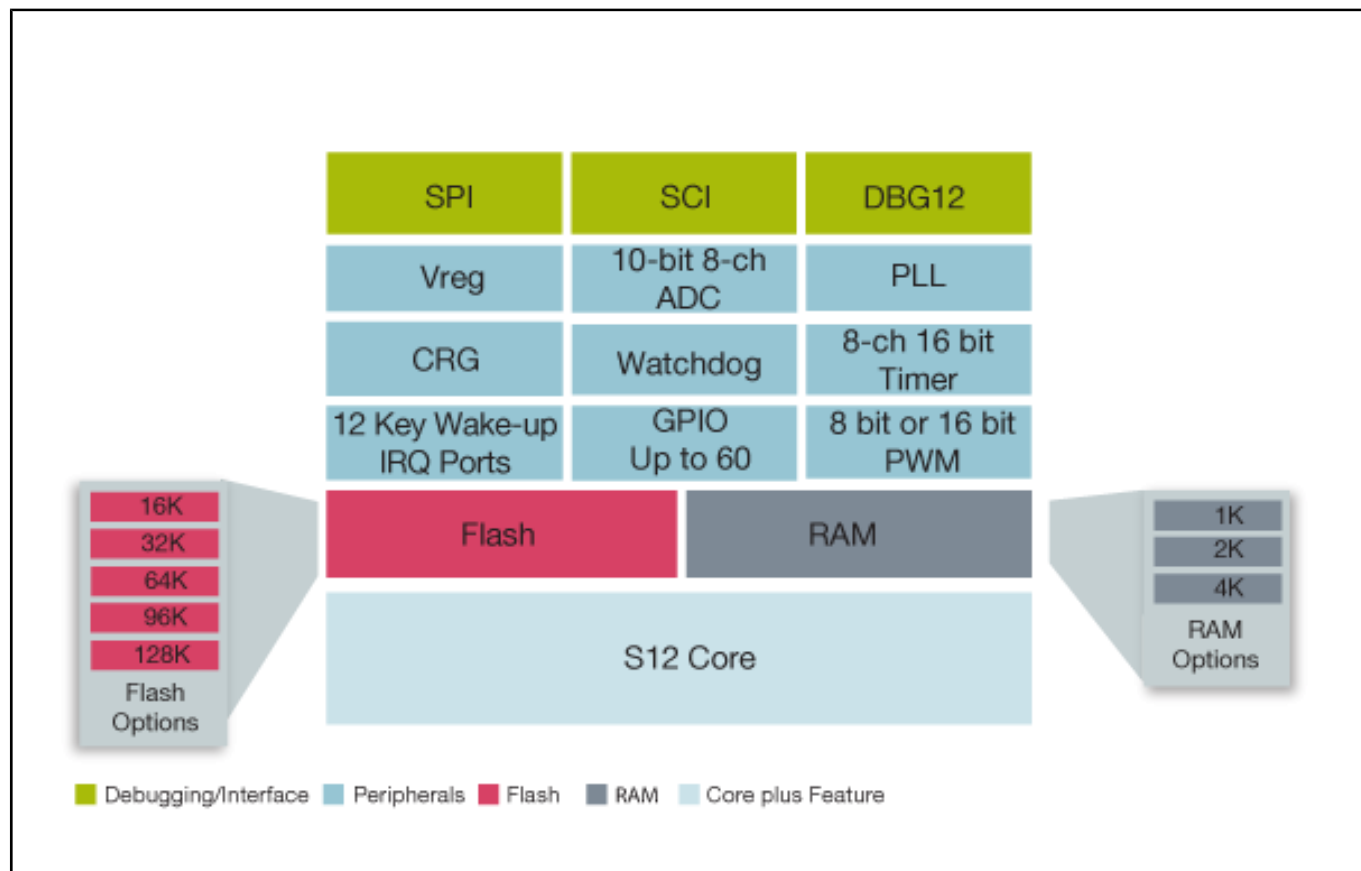
An on-chip bandgap-based voltage regulator (Vreg) generates the internal digital supply voltage (VDD) for a 2.97 V to 5.5 V external supply range.

The MC9S12GC128 has full 16-bit data paths throughout.

The inclusion of a phase-lock loop (PLL) circuit allows power consumption and performance to be adjusted to suit operational requirements.

A total of 50 I/O port pins and two input pins are available in the 80-pin package version. Up to 12 I/O port bits are available with wake-up capability from STOP or WAIT mode.

## S12GC Microcontroller Block Diagram Block Diagram



View additional information for [S12GC Automotive and Industrial Microcontrollers \(MCUs\)](#).

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

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