S12XA Automotive and Industrial Microcontrollers (MCUs)
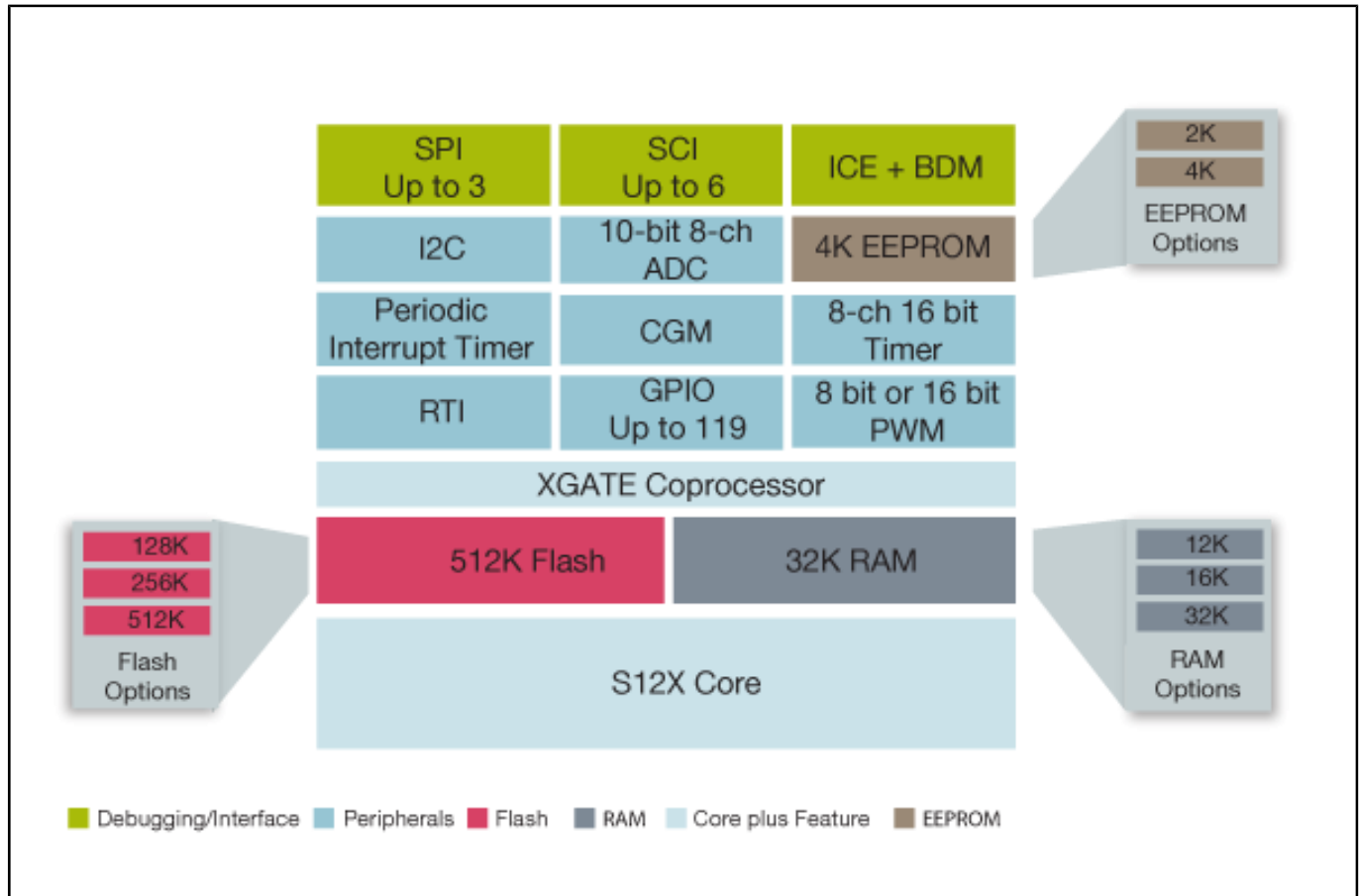
S12XA

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The S12X MCU family retains the cost-effective, power consumption, electromagnetic compatibility and code-size efficiency advantages currently enjoyed by users of the existing 16-bit HCS12 MCU family.

Based on an enhanced HCS12 core, the S12X family gives you two to five times the performance of a 25 MHz HCS12 while retaining a high degree of pin and code compatibility with the HCS12.

The S12X family introduces the performance-boosting XGATE module. Using enhanced DMA functionality, this parallel processing module offloads the CPU by providing high-speed data processing and transfer between peripheral modules, RAM and I/O ports.

S12XA Microcontroller Block Diagram Block Diagram

View additional information for S12XA Automotive and Industrial Microcontrollers (MCUs).

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