



# S12A汽车和工业微控制器(MCU)

## S12A

Last Updated: Apr 9, 2022

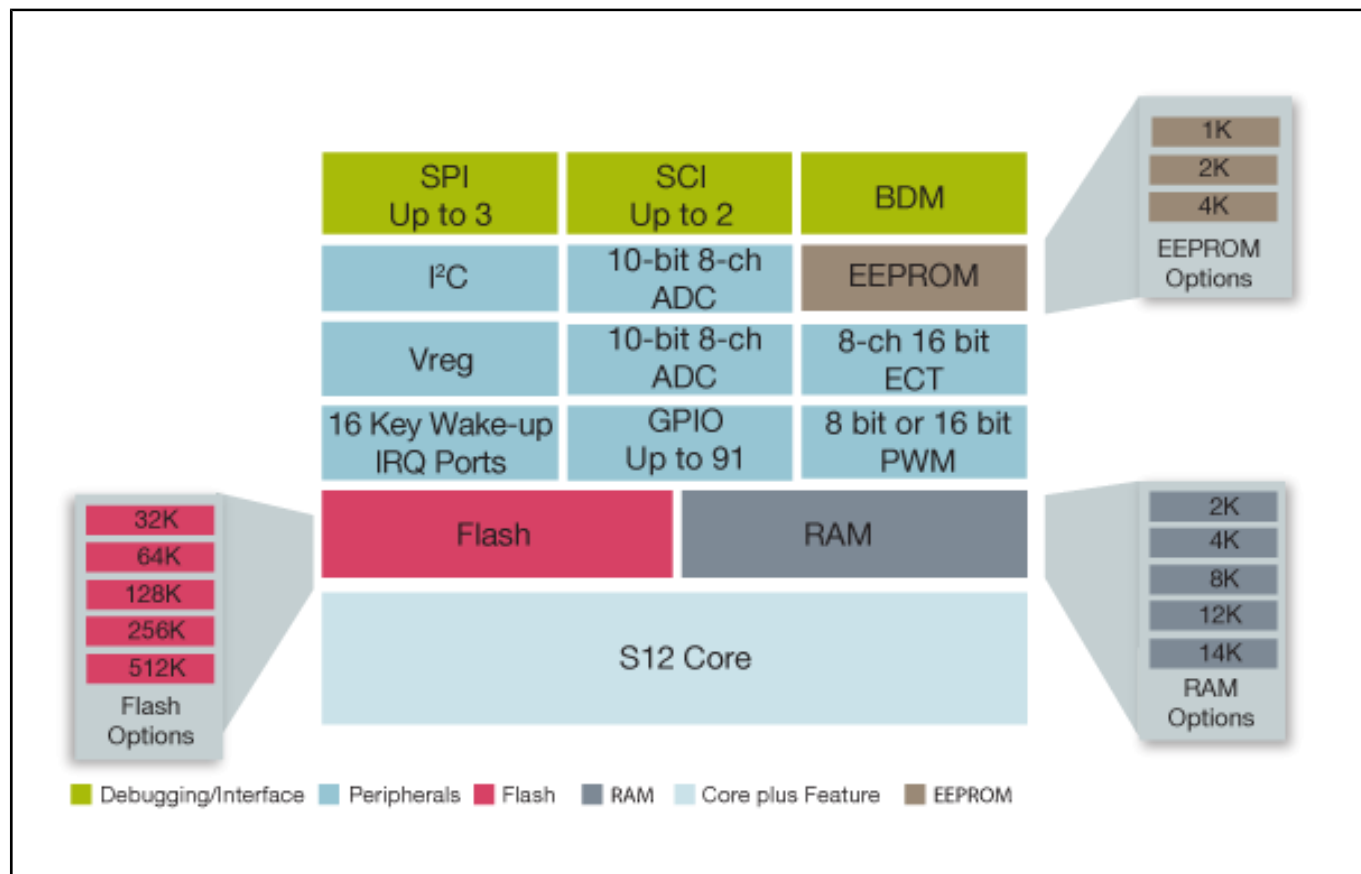
MC9S12A512 MCU是一款16位器件，由标准的片上外设组成，包括HCS12 CPU。

系统资源映射、时钟生成、中断控制和总线接口由系统集成模块(SIM)管理。

MC9S12A512具有完整的16位数据通路吞吐能力。然而，外部总线能以8位窄模式运行，因此可以连接单个8位带宽存储器，降低系统成本。

由于包含锁相环(PLL)电路，因此可以根据运行要求调整功耗和性能

## S12A Microcontroller Block Diagram Block Diagram



View additional information for [S12A汽车和工业微控制器\(MCU\)](#).

**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.