



S12P Automotive and Industrial Microcontrollers (MCUs)

S12P

Last Updated: Mar 5, 2025

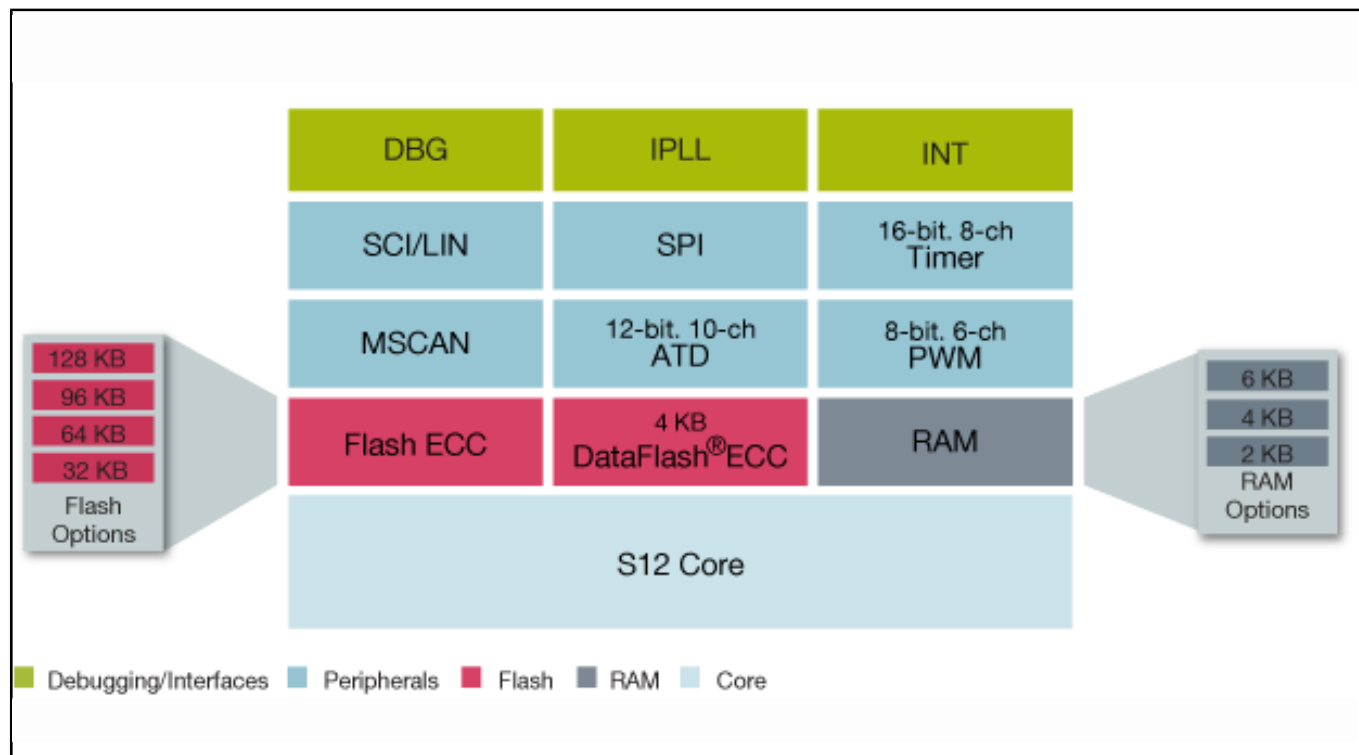
Ideal for body control applications, the S12P family of CAN microcontrollers (MCUs) offers the enhanced features of 16-bit performance at the value of 8-bit MCUs.

The S12P family bridges the gap between 8- and 16-bit automotive CAN MCUs and serves as the entry point into NXP 16-bit family offerings.

Compatible and scalable with the S12XS family, the S12P allows customers to have a range of lower sized memory and feature set options for their applications.

The family includes four devices that offer an array of program and data flash memory sizes with error correcting codes (ECC), RAM, a MSCAN module and package options that scale from 48-80 pins.

S12P Microcontroller Block Diagram Block Diagram



View additional information for [S12P Automotive and Industrial Microcontrollers \(MCUs\)](#).

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. © 2025 NXP B.V.