



# **S12XHY Scalable Cluster Microcontrollers (MCUs) with CAN**

## **S12XHY**

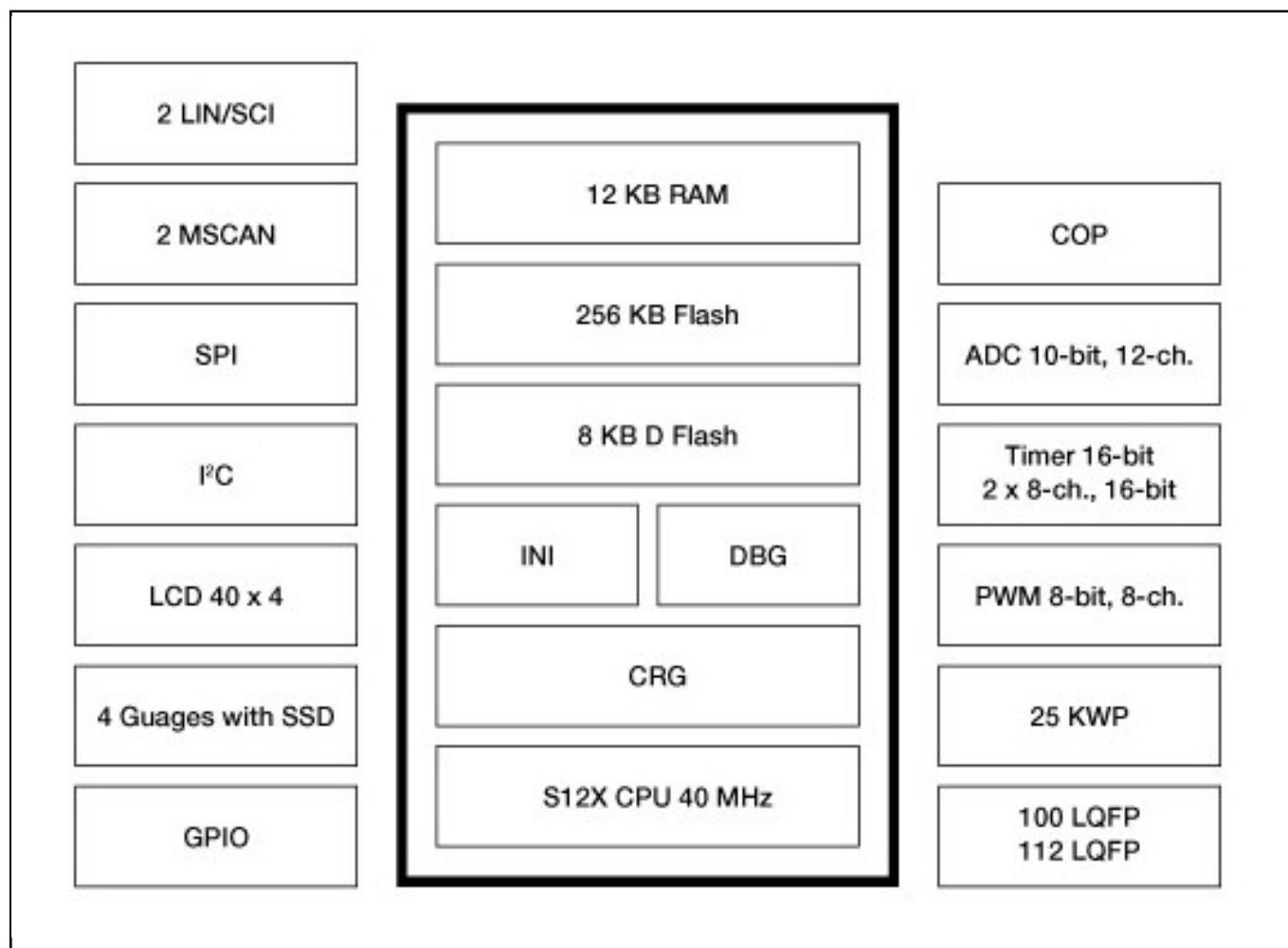
Last Updated: Jan 8, 2026

The MC9S12XHY family is an optimized, automotive 16-bit MCU product line focused on low cost and high performance.

Targeted for the lower end of automotive instrument cluster applications, the MC9S12XHY family includes support for CAN and LIN/J2602 communication and delivers typical cluster requirements such as stepper motor control with stepper stall detection (SSD) and LCD driver.

Get all the advantages and efficiencies of a 16-bit MCU while retaining the cost-effective, power consumption, electromagnetic compatibility and code-size efficiency advantages currently enjoyed by users of Our 8-bit and 16-bit MCU families.

## S12XHY Microcontroller Block Diagram Block Diagram



View additional information for [S12XHY Scalable Cluster Microcontrollers \(MCUs\) with CAN](#).

**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. © 2026 NXP B.V.