

S32K5 Automotive Microcontrollers

S32K5

Preproduction

This page contains information on a preproduction product. Specifications and information herein are subject to change without notice. For additional information contact support or your sales representative.

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The S32K5 product series expands the S32K3 series to higher performance, larger memory, and increased vehicle network communication capability at low power consumption. With Arm® Cortex®-M7 and Cortex-R52 cores in single, multiple or lockstep configurations, Ethernet, CAN FD and the innovative MRAM memory module, the S32K5 offers a scalable setup to develop from IO aggregators to body, comfort or chassis zone controller applications.

- Zone controller or Domain controller
- IO aggregator
- Body control module
- Climate control unit
- Lighting control unit
- · Chassis and safety controller

The S32K5 offers multi-layer hardware isolation, safe recovery, hardware security engine (HSE) with post-quantum security features and ASIL D safety compliance to develop safe and secure zone controllers. NXP supports the S32K5 MCU series with a rich set of easy-to-use software and development tools from NXP and certified partners and offers multiple development tools to reduce the complexity of automotive electronic control unit development.

S32K5 Automotive Microcontrollers Block Diagram



View additional information for S32K5 Automotive Microcontrollers.

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