



S32R26 and S32R27 Microcontrollers for High-Performance Radar

S32R2X

Not Recommended for New Designs

Instead, use the [S32R294](#) MCUs, designed to extend the existing S32R product family that already includes the MPC5775K, S32R274 and the S32R372 devices. If you are still interested in S32R37 MCUs, please contact [NXP support](#).

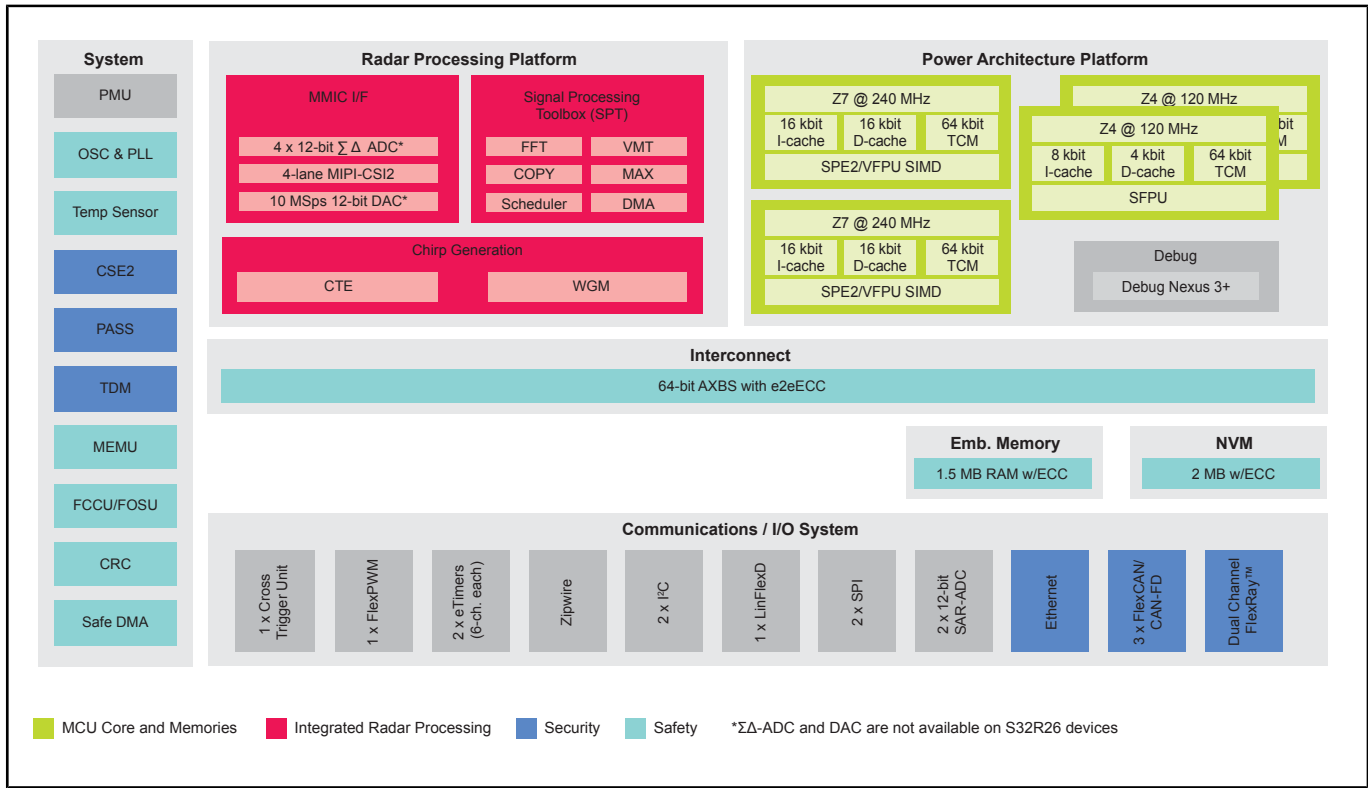
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The S32R264 and S32R274 are an AEC-Q100 Grade 1 qualified 32-bit Power Architecture®-based microcontrollers for automotive and industrial high-performance radar applications.

Both S32R264 and S32R274 MCUs address advanced radar signal processing capabilities and merge it with microcontroller capabilities for generic software tasks and car bus interfacing. It meets the high-performance computation demands required by modern beam-forming fast chirp modulation radar systems by offering signal processing acceleration together with powerful multi-core architecture.

The S32R264 and S32R274 MCUs offer a >4x leap in performance per power vs. the previous MPC577X products, increasing the level of integration available to designers of next-generation automotive radar modules

S32R2x Block Diagram Block Diagram



View additional information for [S32R26](#) and [S32R27](#) Microcontrollers for High-Performance Radar.

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

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