



S32K1 Microcontrollers for General-Purpose

S32K1

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The S32K1 MCUs of 32-bit AEC-Q100 qualified MCUs combine a scalable family of Arm® Cortex®-M based microcontrollers, built on long-lasting features with a comprehensive suite of production-grade tools and supporting up to ASIL B functional safety automotive and industrial applications.

S32K1 MCUs feature ultra-low-power operating modes, a cryptographic security engine with NXP firmware and an automotive-grade Software Development Kit (SDK) with low-level drivers and the FreeRTOS™ OS. The S32K1 MCUs are available in QFN, LQFP and MAPBGA packages.

S32K1 Family Features Block Diagram



View additional information for [S32K1 Microcontrollers for General-Purpose](#).

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