



AURIX™ Drive Core AUTOSAR

A comprehensive software bundle designed to simplify and accelerate the development of AUTOSAR-based automotive applications for safety-critical features.

Version	1.0.0
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Drive Core

Drive Core is a scalable software bundle portfolio for AURIX™, TRAVEO™ and PSOC™ that facilitates rapid start into Automotive software development.

AURIX™ Drive Core AUTOSAR

Drive Core AUTOSAR is a software bundle that accelerates and simplifies the development of ECU software projects (AUTOSAR-based) with a focus on streamlined development and improved reliability. The target applications include safety-critical functions such as Adaptive Cruise Control (ACC).

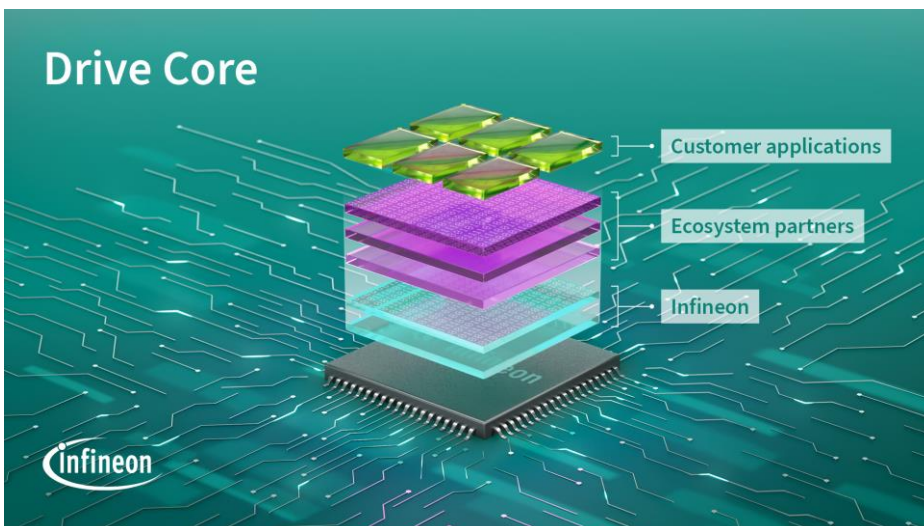
The software bundle includes Infineon's MCAL driver and Vector's MICROSAR Classic, a pre-integrated real-time capable base software stack, allowing developers to start developing applications instantly. On top of the stack, the bundle is equipped with an AUTOSAR ADAS demo application, simulating an advance cruise control (ACC) system. Instant tooling is guaranteed by TASKING's its latest certified TC4x Tool Chain SmartCode and winIDEA. In combination with Infineon's AURIX™ microcontroller, the bundle provides a productive software, reducing toolchain migration and development time for safety-critical domains.

Key features

- **Infineon's MCAL Driver:** Standardized interface to the AURIX microcontroller
- **MICROSAR Classic:** Pre-integrated real-time capable base software stack
- **TASKING's TC4x Tool Chain SmartCode:** Comprehensive development environment with demo application

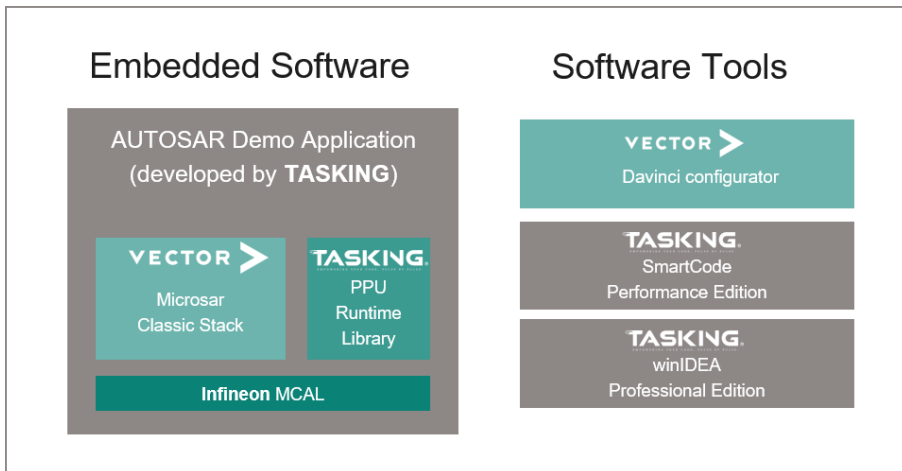
Key benefits

- **Streamlined Development:** Reduces development time and costs
- **Improved Reliability:** Ensures reliable functionality in safety-critical domains
- **Increased Productivity:** Provides a head start for developers



PRODUCT BRIEF

Block Diagram



Key components

- **BSW:** Vector Microsar Classic
- **Compiler:** Tasking SmartCode
- **Debugger:** Tasking winIDEA
- **Tooling:** Vector DaVinci
- **HAL/Drivers:** TC4x MC-ISAR (MCAL)

Supported Devices

AURIX™ TC4x

License scheme

3 months evaluation



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