PRODUCT BRIEF

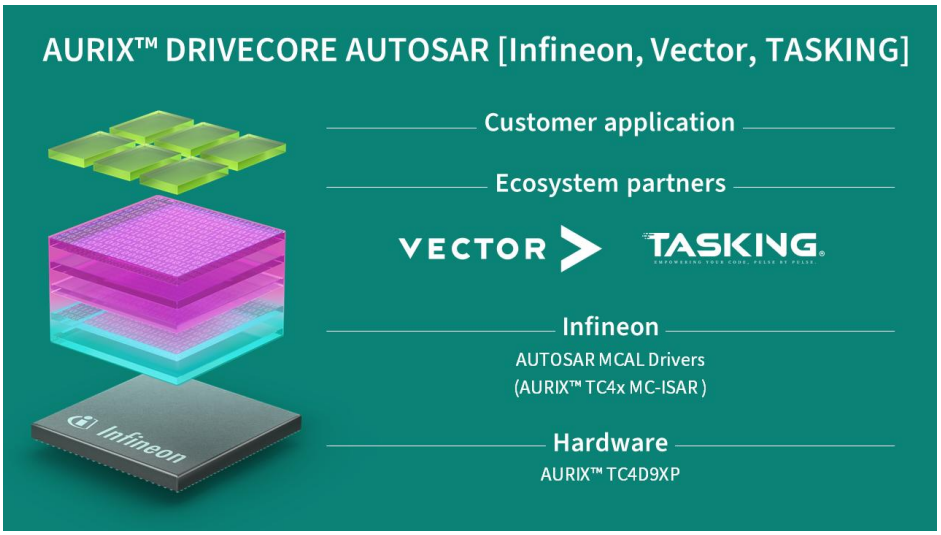
AURIX™ DRIVECORE AUTOSAR

[Infineon, Vector, TASKING] V1.0

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

AURIX™ DRIVECORE AUTOSAR [Infineon, Vector, TASKING] 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 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

Supported devices:
AURIX™ TC4D9

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

License scheme:
3 months free evaluation

Table Key Components

Partner	Category	Component	Version
	Driver	AUTOSAR MCAL Drivers (AURIX™ TC4x MC-ISAR)	MC_ISAR_2.00.0
	Runtime Software	BSW: Vector MICROSAR Classic	
	Tooling	Vector DaVinci	DaVinci Configurator Classic 5.31.24
	Tooling	TC4x Tool Chain SmartCode	SmartCode_v10.2r1

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