

AURIX™ DRIVECORE AUTOSAR

[Infineon, ETAS, TASKING] V1.0

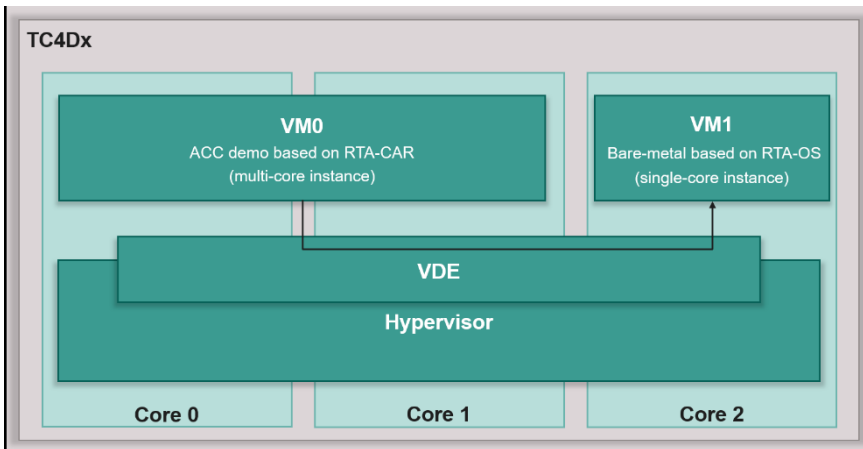
DRIVECORE is a scalable software bundle portfolio for AURIX™, TRAVEO™ and PSOC™ that facilitates a rapid start into Automotive software development.

AURIX™ DRIVECORE AUTOSAR [Infineon, ETAS, TASKING] is a software bundle that accelerates and simplifies the development of virtualized AUTOSAR- software stacks with a focus on footprint optimization.

This software bundle includes Infineon’s MC-ISAR MCAL drivers and the ETAS RTA-CAR, a series production-ready AUTOSAR Classic SDK and a resource-optimized hypervisor. The ready-to-run adaptive cruise control SWC demo is executed in a preconfigured virtual machine using the RTA-HVR hypervisor.

Instant tooling is guaranteed by TASKING’s latest certified TC4x Tool Chain SmartCode compiler.

In combination with Infineon’s AURIX™ microcontroller, the bundle provides a pre-integrated software, with reduced toolchain migration and development time for safety-critical domains.



Key features

- **Infineon’s MCAL Driver:** Standardized interface to the AURIX™ microcontroller
- **RTA-CAR:** A high-performance, low-footprint, extensively configurable AUTOSAR classic basic software solution
- **TASKING’s TC4x Tool Chain SmartCode:** Comprehensive C/C++ development environment for TriCore and PPU including a demo application

Supported Devices:




AURIX™ TC4D9XP COM Triboard

Key Benefits

- **Small and Fast:** optimized to work in the most resource-constrained, low-latency real-time production environments
- **Proven in use:** trusted by hundreds of customers, in thousands of projects and deployed on billions of ECUs around the world
- **Safe & Secure:** meets industry safety and security standards like ISO26262 & ISO/SAE21434 and guidelines like MISRA-C & CERT-C

PRODUCT BRIEF

Table Key components

| Partner | Software | Component | Version |
|---|-------------------|---|-------------------|
|  | Embedded Software | MC- ISAR MCAL DRIVERS | 2.20 |
|  | Embedded Software | RTA-CAR | 12.7 |
| | | RTA-OS | 5.0.2 |
| | | RTA-HVR | 1.1.90 |
| | Tooling | ISOLAR (part of RTA CAR) | 12.7 |
|  | Tooling | TASKING SmartCode C/C++ Compiler Tool Chain for TriCore and PPU | SmartCode v10.2r1 |

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