

# AURIX™ Drive Core AUTOSAR

[Infineon, iSOFT, TASKING] V1.0



A comprehensive Software Bundle designed to simplify and accelerate software development process and to enable faster time to market

Version

1.0.0

## 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 [Infineon, iSOFT, TASKING]

This software bundle, developed collaboratively by Infineon, iSOFT, and TASKING, enables customers to swiftly evaluate a fully functional AUTOSAR stack on the AURIX™ TC4D. It is designed to streamline processes by simplifying sourcing, reducing complexity, accelerating time-to-market, and minimizing the effort required for BSW and MCAL integration and configuration. Equipped with all the necessary tools for software component (SWC) development, BSW and MCAL configuration, compilation, and debugging, the bundle includes a fully integrated real-time operating system for out-of-the-box performance and a demonstration project to showcase seamless communication flow from ASW to BSW.

iSOFT offers a comprehensive Basic Software (BSW) stack as part of this bundle, which includes key modules such as CAN, DEM, DCM, NVM, COM, and NM. EasyXMen is iSOFT's Open-Source safety vehicle control operating system, while ORIENTAIS is AUTOSAR CP Toolchain. This bundle already integrates the latest version of EasyXMen.

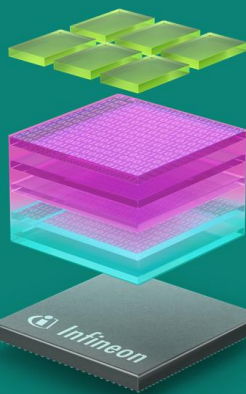
## Key features

- Infineon's MCAL drivers for reliable hardware abstraction for AURIX™ TC4D
- EasyXMen(iSOFT) Open-Source Safety Vehicle Control Operating System
- TASKING's TC4x Compiler Tool Chain SmartCode provides a comprehensive development environment

## Key benefits

- Immediate evaluation of productive AUTOSAR stack on AURIX TC4x
- Pre-integration and configuration of MCAL and BSW
- Inclusion of all necessary tooling for SWC building, BSW and MCAL configuration and debugging

## AURIX™ Drive Core AUTOSAR [Infineon, iSOFT, TASKING]



Customer application

Ecosystem partners

**CETC**  
普华基础软件股份有限公司  
iSOFT INFRASTRUCTURE SOFTWARE CO., LTD.

**TASKING**  
TASKING TOOL CHAIN

Infineon

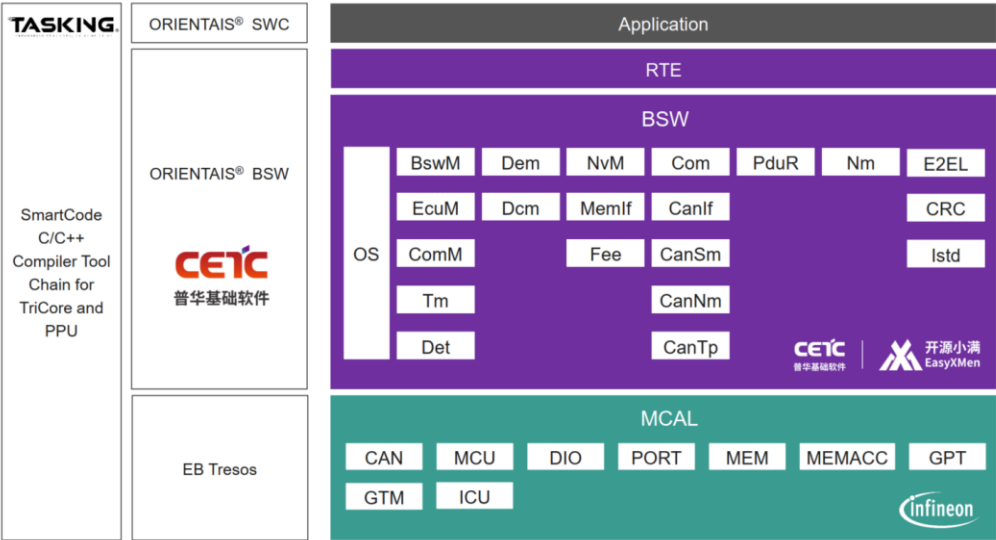
AUTOSAR MCAL Drivers  
(MC-ISAR AURIX™ for TC4x)

Hardware

AURIX™ TC4D7

PRODUCT BRIEF

Software Architecture



Key components

- TASKING:**
- SmartCode C/C++ Compiler Tool Chain for TriCore and PPU
- iSOFT:**
- SWC Builder for streamlined Application Software (ASW) design
  - BSW Configurator for efficient Basic Software (BSW) customization
- Infineon**
- MC-ISAR AURIX™ for TC4x

Supported Devices

[KIT\\_A3G\\_TC4D7\\_LITE](#)

License scheme

3 months evaluation



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