



# AURIX™ DRIVECORE AUTOSAR

[Infineon, Elektrobit, HighTec] V1.0

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

Rust delivers significant efficiency advantages over C/C++ in developing correct, safe, and secure software, establishing itself as a compelling choice for modern software development. A key highlight of Rust is its seamless interoperability with C/C++, which makes it particularly valuable for projects that rely on existing, safety-certified C codebases. This compatibility allows developers to enhance functionality by incorporating Rust’s memory safety and security features while retaining the reliability of established C components.

The AURIX™ DRIVECORE AUTOSAR bundle supports this hybrid approach by providing a comprehensive suite of tools and components tailored for modern, safety-critical automotive applications. At its core, the bundle includes HighTec’s ASIL D-certified Rust and C/C++ Compiler Suite, which enables developers to combine the safety and efficiency of Rust with legacy C/C++ codebases. Through robust ASIL D-certified cross-linking capabilities, the bundle ensures seamless integration and compliance with the highest functional safety standards, empowering developers to build secure, high-performance solutions for advanced automotive systems.

## Key features

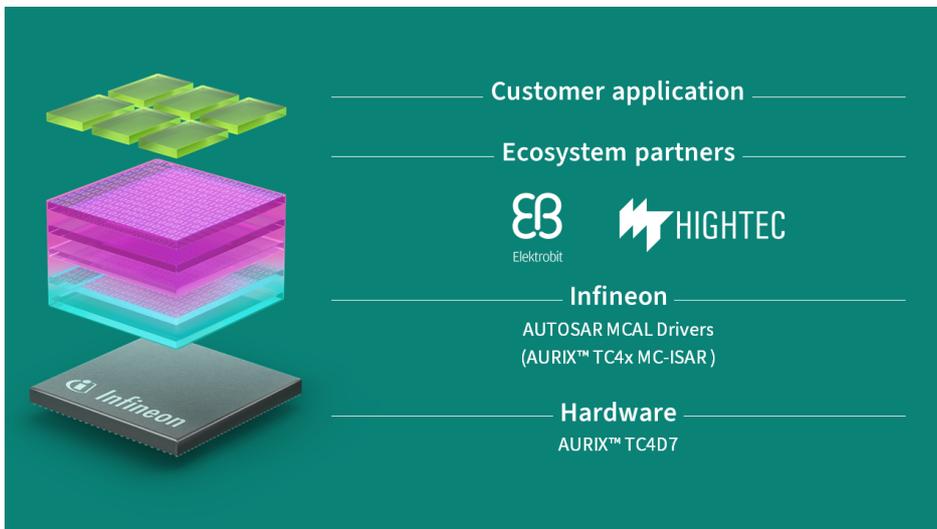
- **Safety-Certified** Development Environment (ASIL D)
- Efficient interoperability between **Rust and C/C++**
- **AUTOSAR** compatibility

**Supported Devices:**  
KIT\_A3G\_TC4D7\_LITE

## Key benefits

- **Fast getting started** with Rust and AUTOSAR
- **Safety-Critical Reliability:** Develop applications that meet the industry's highest safety standards using ASIL D-certified tools.
- **Hybrid Codebase Support:** Combine the strengths of Rust for new developments and C/C++ for legacy system integration.

**License Scheme:**  
3 months free evaluation



PRODUCT BRIEF

Table Key Components

| Partner   | Category         | Component               | Version   |
|---|------------------|-------------------------|---|
|  | Driver           | AURIX™ TC4x MC-ISAR     | MCAL V2.00 PR   |
|  | Runtime Software | EB AutoCore             | ACG9.2.4  |
|   |                  | EB Tresos Studio        | Tresos 29.7   |
|  | Tooling          | Rust and C/C++ Compiler | <ul style="list-style-type: none"> <li>– AURIX™ TC4x C/C++ compiler v8.1.2</li> <li>– AURIX™ TC4x LLVM Rust Compiler v 1.0</li> </ul> |



[www.infineon.com](http://www.infineon.com)

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