PRODUCT BRIEF

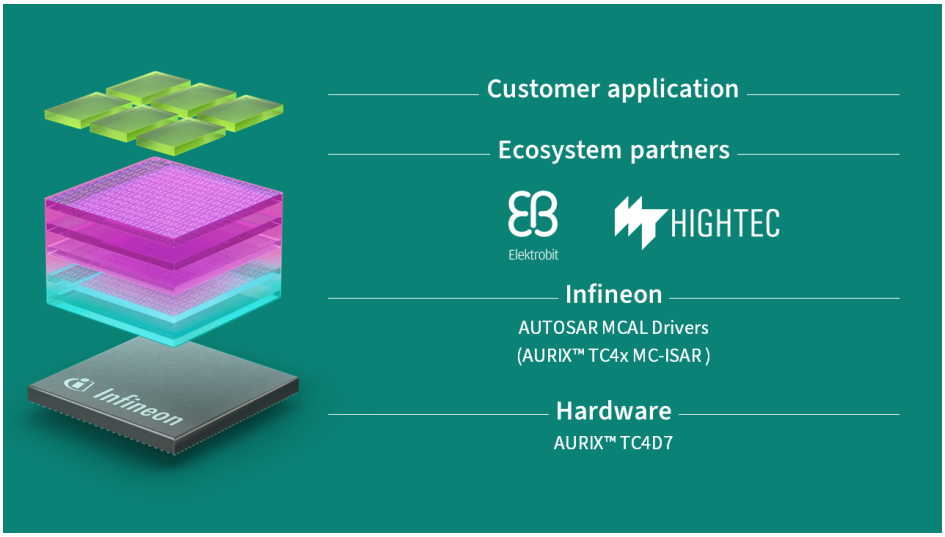
AURIX™ DRIVECORE AUTOSAR

[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

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	– AURIX™ TC4x C/C++ compiler v8.1.2 – AURIX™ TC4x LLVM Rust Compiler v 1.0

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