

PSOC™ DRIVECORE™ Smart End Point

[Infineon, Elektrobit, IAR] V1.0

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

PSOC™ DRIVECORE™ Smart End Point [Infineon, Elektrobit, IAR] is a software bundle designed to simplify and accelerate the development of edge controllers and small peripheral ECUs in automotive subsystems. With a focus on cost efficiency, reusability, and extensibility, it empowers developers to bring reliable, scalable solutions to market faster.

Tailored for applications such as smart sensors, interior lighting, and motor controls, it is ideal for small, safety-relevant ECUs where performance and resource optimization are critical.

The bundle combines proven software and tools from Infineon, Elektrobit, and IAR, enabling rapid development on Elektrobit’s EB tresos AutoCore Light – a lightweight, high-performance, ASIL-B ready, and CSMS-certified platform. It supports LIN signal-based communication, a UDS service handler (ISO 14229-1), and offers a streamlined integration and configuration workflow.

Paired with Infineon’s PSOC™ 4 HV microcontroller, the bundle minimizes memory and processing overhead and ensures resource-optimized, deterministic, reliable operation in safety-relevant automotive subsystems. Development is enabled by IAR’s certified Arm toolchain, ensuring predictable code generation, high code quality, and ASIL-aligned, compliance-ready workflows for compact, cost-sensitive ECUs.



Key features

- **Resource optimized software platform:** EB tresos AutoCore Light for small applications
- **Pre-integrated, qualified & certified drivers** with EB tresos AutoCore OS for Cortex®-M0+ and AutoCore Light
- **Multifunctional and simple tooling,** including IAR’s certified toolchain for Arm

Supported devices:

PSOC™ 4 HVMS 128K Lite Kit

Key benefits

- **Reliable** on low-power MCUs with consistent performance in compact, cost-sensitive ECUs
- **Quick project setup and faster integration** as startup package is available as pre-integrated solution
- Build **safe, compliant** systems backed by ASIL-B and Cybersecurity Management System (CSMS) certifications, so you can focus on innovation
- **Confidence** in compliance using IAR’s certified toolchain, delivering optimized code size.

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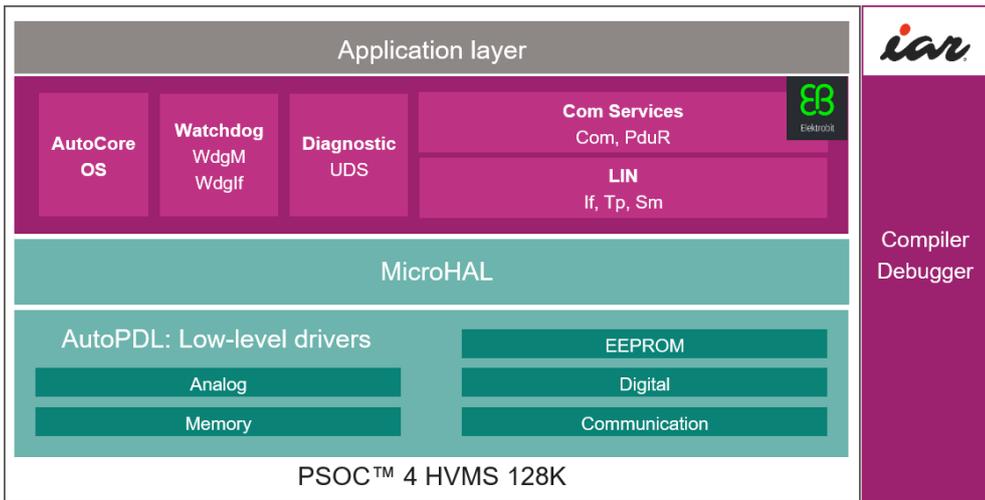
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PRODUCT BRIEF

Table Key components

Partner	Category	Component	Version
	Driver	MicroHAL	0.1.0 Code drop
	Driver	AutoPDL	1.10.1
	Runtime Software	EB tresos 9 - AutoCore Light Base Package	9.4.0
	Operating System	EB tresos 9 AutoCore OS	6.1.400
	Tooling	EB tresos Studio for ACG 9	33.0.0
	Tooling	IAR Embedded Workbench for Arm	8.50.10

Software Stack:



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