



Announcement

13/10/2025

AUTOSAR and OPEN Alliance Announce Collaboration

AUTOSAR™ and OPEN Alliance have signed a Memorandum of Understanding (MoU) to establish a collaboration liaison. The goal is to strengthen international standardization and enhance information exchange in the automotive development ecosystem.

This landmark joint technical collaboration will focus on aligning requirements and developments related to Automotive Ethernet communication and associated technologies, including Time Sensitive Networking (TSN), SOME/IP, and MACsec, particularly in safety- and cybersecurity-critical use cases. By ensuring consistency in standardization activities, the cooperation aims to address functional safety and cybersecurity requirements while avoiding duplication of work.

“We are delighted to announce this new collaboration with AUTOSAR,” said OPEN Alliance Secretary and Renesas Networking Specialist Tobias Belitz. “Much like OPEN Alliance, it is a global organization encompassing leading companies within the automotive and software industry, with a unified mission to develop and establish an optimal networking strategy for modern vehicles. We look forward to working with AUTOSAR to enable greater wide scale adoption of Ethernet-based connectivity.”

“AUTOSAR warmly welcomes the opportunity to collaborate with OPEN Alliance as an AUTOSAR Attendee.” said Thomas Rüping, chairperson of AUTOSAR. “This collaboration strengthens our joint effort to advance Automotive Ethernet and Automotive Ethernet based technologies, with a particular focus on cybersecurity and safety use cases. In consequence the collaboration will further support the global automotive industry and foster the advancement of automotive software development worldwide.”

Both parties have agreed to align their standardization activities and harmonize development results.

In the spirit of the MoU, both parties aim to strengthen the Automotive Development Ecosystem through this collaborative liaison and to encourage their members to participate in this ongoing cooperation. AUTOSAR and OPEN Alliance will participate in each other's events to make joint or individual development and standardization results available to a broader audience.



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About the AUTOSAR Adaptive Platform

AUTOSAR first released its Adaptive Platform on March 31st, 2017 as a standardized integration platform for microprocessor-based electronic control units (ECU). The AUTOSAR Adaptive Platform is based on POSIX operating systems and is the ECU standard for new automotive megatrends. It provides an unique holistic AUTOSAR safety and security approach for microcontroller-based ECUs and high performance microprocessor-based ECUs throughout the whole EE-Architecture with a consistent software and methodology design. Additionally, AUTOSAR Adaptive Platform also introduces a holistic approach for updatability (over the air) throughout the whole EE-Architecture. By doing so, the new standard avoids the costly alternative for OEMs and their suppliers of repeatedly developing the critical and complicated functionality of such software platforms with proprietary and individual solutions.

About the AUTOSAR Classic Platform

The AUTOSAR Classic Platform is the well-established standardized software and methodology framework for deeply embedded electronic control units (microcontroller ECUs), which offers OEMs and suppliers a safe, secure, and stable foundation to build up their distributed software systems. By using a layered software architecture based on a methodology that configures the software stack as well as the complete communication for a given EE-Architecture, the AUTOSAR Classic Platform supports all kinds of interconnected microcontroller-based ECUs.

About AUTOSAR (AUTomotive Open System ARchitecture)

AUTOSAR (AUTomotive Open System ARchitecture) is a global partnership of leading companies in the automotive and software industry to develop and establish the standardized technical framework enabling scalable E/E system architectures for intelligent mobility. Since 2003, they have been working on the development and introduction of several open, standardized software platforms including the joining methodology for the automotive industry. By simplifying replacement and update for software and hardware, the AUTOSAR approach forms the foundation for reliably controlling the growing complexity of electronic and software systems in today's and future vehicles. As AUTOSAR is open to new features in the Automotive area it will continuously adapt the standards. In addition, AUTOSAR improves cost efficiency and quality by enabling its partners to cooperate in a competitive way but on the same solution. The "Core Partners" of AUTOSAR are the BMW Group, Bosch, Continental, Mercedes-Benz Group, Ford, General Motors, Stellantis, Toyota and the Volkswagen Group. The AUTOSAR partnership of over 350 partners play an important role in the success of the partnership and can use the standards free of charge.

Further information

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