

Press Release

GÖPEL electronic and Microchip Technology Collaborate to Expand the ASA-ML Ecosystem into Automotive Video Testing

Open standards-based ASA Motion Link (ASA-ML) technology enables interoperable, high-speed connectivity to support the automotive industry's shift toward software defined vehicles

GÖPEL electronic and Microchip Technology, a broadline supplier of semiconductors, are deepening their collaboration in the field of ASA Motion Link (ASA-ML). GÖPEL electronic is expanding its modular frame grabber/frame generator to include ASA-ML technology using SerDes chips from Microchip. The goal of the collaboration is to further expand the ecosystem surrounding ASA-ML and provide potential users with a seamless, fully functional environment—from the chip through test equipment to frame grabbers and generators.

The open standard ASA-ML SerDes technology provides automakers and suppliers with an independent and high-performance technology for data connections. Thanks to its interoperability, the standard reduces dependence on individual vendors and facilitates the integration of different components. GÖPEL electronic and Microchip expect that their collaboration in the field of videobased test solutions using ASA-ML will further accelerate the adoption of the technology.

"Expanding the ASA Motion Link ecosystem gives automakers and suppliers greater flexibility, interoperability and confidence so they can move faster from development to deployment," said Kevin So, vice president of Microchip's communications business unit. "Working with leading ecosystem partners such as GÖPEL electronic helps customers develop, test and validate multivendor ASA-ML solutions, supporting a more open approach to high-speed automotive connectivity."

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ASA-ML is an open standard for high-speed in-vehicle communication developed by the Automotive SerDes Alliance. The Alliance consists of automakers, suppliers, and chip manufacturers. The goal is to achieve cross-vendor interoperability of cameras, sensors, and other vehicle components while maintaining high data rates. ASA-ML supports asymmetric transmission of video, control, and payload data at data rates of up to 16 Gbit/s, thereby offering a scalable communication solution for modern vehicle architectures. Particularly for ADAS and future automated driving functions, the standard enables high-performance, secure, and interoperable networking of sensors and control units.

With the high-performance Video Dragon frame grabber/frame generator from GÖPEL electronic, such ASA-ML components can also be reliably tested and simulated in the future. GÖPEL electronic uses the new ASA-ML chipsets from Microchip to develop these high-performance data transmission capabilities.

About GÖPEL electronic

GÖPEL electronic develops and manufactures innovative electrical and optical test, measurement, and inspection equipment for electronic components and printed circuit board assemblies as well as industrial and automotive electronics systems. GÖPEL electronic has four business units:

- Automotive Test Solutions
- Embedded JTAG Solutions
- Inspection Solutions AOI-AXI-SPI-IVS
- Industrial Function Test

The company is active worldwide, with its own subsidiaries as well as through distributors, and generated sales of approximately 40 million euros in 2023 with 240 employees.

Further information: www.goepel.com/en

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