

Press Release

Socionext Shortlisted for Elektronik “Produkte des Jahres” with PCIe® Gen4 Switch for IVI / ADAS Applications

Recognized as a breakthrough in automotive connectivity, supporting the shift toward centralized, software-defined vehicle architectures.

[Langen/Germany. December 11, 2025] --- Socionext, a global leader in advanced custom SoC design, is supporting the industry's shift toward centralized, software-defined vehicle architectures with the SC1900AR3 PCIe® Gen4 Switch - the first PCIe® switch engineered specifically for next-generation automotive compute environments. As vehicles demand higher data throughput, functional safety and low-latency interconnects, the need for scalable connectivity solutions continues to grow - a challenge the company is directly meeting with its latest PCIe® technologies.

Socionext is proud to announce that this solution has been shortlisted for the prestigious Elektronik “Produkte des Jahres” Readers’ Choice Award in the category Automotive / Semiconductors. The recognition underscores the company’s contribution to high-performance vehicle platforms and the growing demand for advanced connectivity technologies.

As modern vehicle architectures transition toward centralized high-performance compute platforms, advanced SoCs must exchange massive amounts of data with ultra-low latency, high bandwidth and robust safety. PCIe® technology has become the interconnect of choice, providing a standardized, scalable and high-speed communication backbone for functions such as AI inferencing, sensor fusion and real-time decision-making.

The SC1900AR3 is a next-generation automotive PCIe® switch enabling flexible, centralized compute platforms for modern vehicles. With secure, high-speed data handling and modular design support, it helps OEMs build smarter, safer, and more connected mobility solutions - delivering the performance and flexibility required for tomorrow’s in-vehicle compute platforms.

To meet these requirements, the SC1900AR3 provides:

- Secure, high-speed communication between multiple SoCs
- Virtualization capabilities (SR-IOV) for flexible, software-defined architectures
- ASIL-B functional safety compliance, meeting stringent automotive reliability requirements
- Ultra-fast boot times for mission-critical ADAS and IVI systems

Voting is open until January 30, and participants also can enter a prize draw hosted by Elektronik.

<https://umfragen.componeers.net/index.php/867619>

To learn more about our automotive PCIe® technology, visit:

[Automotive PCIe® | Socionext Europe](#)

About Socionext Europe GmbH

Socionext Europe (SNEU) is an integral part of Socionext Inc.'s global structure, headquartered in Frankfurt, Germany, with a key facility in Munich. Central to our operations, the Munich Design and Support Center excels in developing advanced graphics IP, alongside innovative hardware and software solutions tailored for the automotive industry. Our expertise also spans sectors such as networking, data centers, IoT, Radar Sensing, and Industrial Automation. SNEU is committed to delivering comprehensive SoC solutions, catering to the latest market needs from concept through to completion. For more details, assistance, or to connect with our team, please visit our [Website](#), email info@eu.socionext.com, or follow us on [Facebook](#), [LinkedIn](#), [X](#) und [YouTube](#).

About Socionext Inc.

Socionext Inc., a leading global System-on-Chip (SoC) supplier, is a pioneer of the 'Solution SoC' business model. This innovative approach encompasses Socionext's 'Entire Design' capabilities and offering of 'Complete Service'. As a trusted silicon partner, Socionext fuels global innovation, providing superior features, performance, and quality that set its customers' products and services apart in diverse domains ranging from automotive and data centers to networking, smart devices, and industrial equipment.

Socionext Inc., based in Yokohama, operates offices across Japan, Asia, the United States, and Europe for development and sales. For more information, visit <https://www.socionext.com/en/>.

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