

Press Release

## **Socionext to Demonstrate Leading-Edge Automotive Custom SoC Solutions at CES 2023, Booth 10654**

**Company features advanced technologies in automotive display,  
AI, and smart sensing**

**[MILPITAS/Calif. and Yokohama/Japan. December 23, 2022]** --- Socionext Inc., a global leader in the design and development of innovative System-on-Chip products, will showcase its automotive custom SoC technologies at the CES Vehicle Tech and Advanced Mobility Zone, located in the Las Vegas Convention Center, North Hall, Booth 10654. CES runs from January 5-8, 2023.

Socionext's advanced custom solutions are designed to help OEMs and tier-one automakers achieve complete ownership of key differentiating technologies with an added competitive edge.

These custom SoCs enable a wide range of applications, including ADAS sensors, central computing, networking, in-cabin monitoring, satellite connectivity, and infotainment.

### **Featured technologies and solutions:**

#### **Smart Display Controller for Automotive Remote Display**

Socionext's highly integrated ISO26262-certified SC1721/ SC1722/ SC1723 Series Graphics Display Controllers feature built-in safety mechanisms that enable error-free, safety-critical content to meet the safety standards required by today's multi-display cockpit applications.

#### **Low Power 60GHz RF CMOS Radar Sensors with Embedded Sensing Engine and Built-in Antenna for In-Cabin Monitoring**

Socionext has created a variety of smart RADAR solutions, including 24GHz and 60GHz, and has developed a roadmap showcasing future technologies.

The Socionext 60GHz RF CMOS sensor has features and capabilities to support multiple in-cabin uses, including seat occupancy monitoring, child presence detection, and theft prevention.

#### **Advanced AI Solutions for Automotive**

Socionext has partnered with artificial intelligence provider BrainChip to develop optimized, intelligent sensor data solutions based on Brainchip's Akida® processor IP.

Press Inquiry:

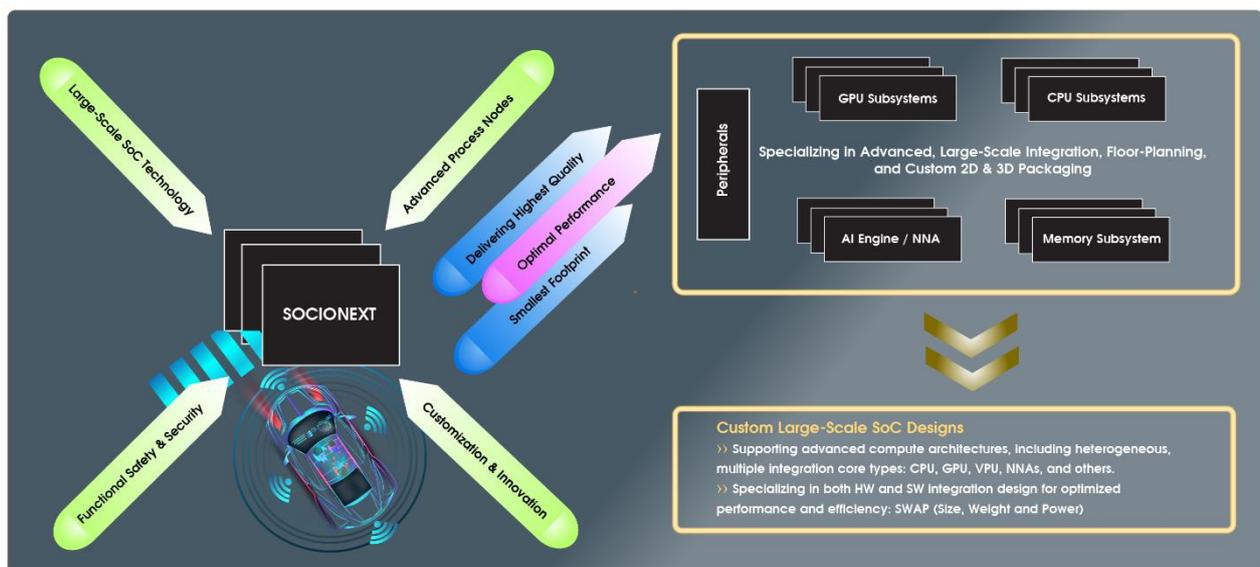
Socionext Inc. <https://www.socionext.com/en/contact/>

BrainChip's flexible AI processing fabric IP delivers neuromorphic, event-based computation, enabling ultimate performance while minimizing silicon footprint and power consumption. Sensor data can be analyzed in real-time with distributed, high-performance and low-power edge inferencing, resulting in improved response time and reduced energy consumption.

Creating a proprietary chip requires a complex, highly structured framework with a complete support system for addressing each phase of the development process. With extensive experience in custom SoC development, Socionext uses state-of-the-art process technologies, such as 7nm and 5nm , to produce automotive-grade SoCs that ensure functional safety while accelerating software development and system verification.

Socionext is committed to offering the optimal combination of IPs, design expertise, software development and support to implement large-scale, fully customizable automotive SoC solutions to meet the most demanding and rigorous automotive application performance requirements.

### Socionext's Automotive Custom SoC Solutions and Services



To learn more about our products or to schedule a meeting with us, please fill out the contact form [here](#).

For the CES 2023 website and programs, visit <https://www.ces.tech/>.

**About Socionext Inc.**

Socionext Inc. is a global SoC (System-on-Chip) supplier and a pioneer of a unique “Solution SoC” business model through decades of industry experience and expertise. Socionext contributes to global innovation in advanced technologies including automotive, data center, networking, and smart devices. As a trusted silicon partner, Socionext delivers superior features, performance, and quality that differentiate its customers’ products and services from their competition.

Socionext Inc. is headquartered in Yokohama, and has offices in Japan, Asia, United States and Europe to lead its development and sales activities. For more information, visit <https://www.socionext.com/en/>.

**About Socionext America Inc.**

Socionext America Inc. (SNA) is the US branch of Socionext Inc., one of the world’s leading fabless SoC suppliers. Headquartered in Milpitas, California, the company provides leading-edge technologies and offers a wide range of standard and customizable SoC solutions. Socionext America meets customers' requirements with quality semiconductor products based on extensive and differentiated IPs, proven design methodologies, and state-of-the-art implementation expertise, with full support.

For product information, visit [our website](#), e-mail [sna\\_inquiry@us.socionext.com](mailto:sna_inquiry@us.socionext.com) or call 1-408-550-6861.

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