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Press Release

Socionext Addresses Datacenter Infrastructure Customer Demands for Advanced SoCs on TSMC A14 Technology

[Yokohama, Japan and Milpitas, California, July 1, 2026] --- Socionext Inc., a global leading provider of advanced custom SoCs to the fastest growing segment of the semiconductor market, AI datacenter infrastructure, is announcing the development of a high-performance compute chiplet in TSMC's A14 process technology.

As part of this initiative, Socionext plans to tape out a multi-core device in September 2026.
This chip will serve as a technology platform to validate CPU and xPU architectures for scalability, on leading-edge process technology, supporting customer programs in AI hyperscale datacenters and other high-performance, compute-intensive applications.

The planned device will integrate compute chiplets designed for high-performance, power efficiency, and system scalability. Learnings from this program are targeted at accelerating the development of production SoCs tailored to AI/xPU infrastructure applications.

Socionext's engagement with TSMC builds on the company's long-standing expertise in leading-edge silicon design, encompassing multi-core CPU and xPU architectures in advanced process technologies for complex SoCs targeting enterprise and data center applications.

"Driven by increasing AI data center demands, this engagement highlights the strategic importance of advanced compute platforms and our commitment to working closely with customers and ecosystem partners," said **Hisato Yoshida, President and COO of Socionext**. *"By collaborating with TSMC on A14 technology, we are de-risking leading-edge product developments and accelerating time-to-market for differentiated, high-performance custom silicon solutions."*

Socionext is actively engaging with customers planning to adopt TSMC's A14 process to develop high-performance and power-efficient AI SoCs targeting the data center infrastructure buildout. These engagements exemplify Socionext's ongoing commitment to leading-edge technologies such as A14 to enable flawless execution for our customers and provide them with the fastest time-to-market for the most advanced products.

Socionext continues its strategic investments for AI data center platforms through advanced SoC technologies to support the industry's insatiable demand for high compute density, energy efficiency, and system-level performance.

Press Inquiry:
Socionext Inc. https://www.socionext.com/en/contact/

About Socionext America Inc.

Socionext America Inc. (SNA) serves as the US arm of Socionext Inc., a global leading fabless semiconductor supplier specializing in SoCs. Headquartered in Milpitas, California, SNA delivers cutting-edge technologies and a diverse array of customizable solutions. The company meets customer demands by providing high-quality semiconductor products, leveraging proven design methodologies and state-of-the-art implementation expertise. Additionally, SNA collaborates closely with industry-leading partners across manufacturing, IP, EDA, and software.
For product information, visit our website, e-mail sna_inquiry@us.socionext.com or call 1-844-868-1795. For company news and updates, connect with us on LinkedIn, YouTube, Facebook, and X.

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/.