

Socionext Inc.

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socionext™
for better quality of experience

socionext™

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CORPORATE PROFILE
2022.4



Socionext is a global enterprise that designs, develops and delivers System-on-Chips to customers worldwide.

We strive to be the “SoC division”, or a valuable silicon development partner of our customers by sharing their vision and working together to address their challenges.



Top Message

We are building on our expertise in various sectors as we work to create new value and contribute to a better society. To that end, we are providing new products and services globally, and we will go beyond the bounds of our established businesses to create the value our customers truly want. We believe that, in this way, we will contribute to a "Better Quality of Experience" and help make people's lives more convenient, enjoy able, and prosperous.

We will update you on our progress as we meet new challenges.



Representative Director,
Chairman, President &
CEO

Masahiro Koezuka

About the company name, Socionext

The name Socionext comes from our vision and values:



- S O C _** SOC (System-On-Chip), our core business area
- I / O _** IO, Input and Output, a fundamental element constituting semiconductors
- O N E _** One, our goal: to be number one
- N E X T _** Next, forward-thinking, looking to the future
- E X T _** Ext, short for “extension,” as we strive to reach new opportunities globally

Management Philosophy

We are creating a company to achieve globally competitive value through sustainable growth. This will lead to the happiness of employees and all other stakeholders.

Management Vision

As a leading open innovation company, we work together with many partners to provide optimum solutions and services to our customers. We innovate the way people live and provide a better Quality of Experience.

Brand Promise

“for better quality of experience”

Socionext’s brand promise, “for better quality of experience,” expresses not only our determination to improve the performance and functionality of our products and service, but also the reflection of our goal to provide new value to people throughout the world, thus contribution to a prosperous society.

Business Model

“Solution SoC”: enabling a future that customers can envision

Socionext has pioneered its unique “Solution SoC” business model, in which the company are involved in the customers’ product development process from an early stage. We help companies achieve differentiation according to their specific needs. Socionext collaborates closely with partners worldwide and delivers complete solutions from system design to production and quality control.

Today, many leading-edge companies looking to create new markets require their own proprietary SoCs that provide features and performance to differentiate themselves from the competition. As the semiconductor ecosystem becomes more diverse - including manufacturing fabs, packages, IP cores, software, and EDA tools - customers have more choices, but finding the right solutions are increasingly more complex and challenging.

There is a growing need for an SoC provider able to understand the customer's perspective on products they want to create and what problems they need to solve.

To meet such customer needs in the fast-changing market, Socionext acts as a "Solution SoC" company that delivers differentiated SoCs by being involved from the concept stage, then proposing the optimal choices and the best combination of components in the design ecosystem. This unique business model provides our customers distinct value that many conventional ASIC providers who focus mainly on logic synthesis and physical design aren’t able to offer.



Leader in “Solution SoC”

Socionext's Strengths

Socionext meets its customers' needs for differentiation by leveraging the strengths the company has gained through its rich experience in the SoC business.

Socionext's Strengths

1 Complex SoC Design Capability

In the area of large-scale SoCs development for advanced applications such as autonomous driving and high-performance computing, Socionext reduces cost through its design expertise to fully utilize the latest technologies to achieve superior performance and low power.

2 Differentiated IP Offering

Socionext has an extensive lineup of IPs that power SoCs for a range of applications, including automotive, data center & network, and smart devices. In addition to providing high-speed interfaces, high-speed ADC/DAC, RF-CMOS, and security, we leverage technologies from third parties to meet the customers' differentiated needs.

3 Expertise in System Development from Application Perspective

Leveraging our experience in ASSP businesses, we can propose the optimum choice of CPU core and the SoC architecture, including division of the functions between hardware and software. We can provide end-to-end solutions for system development, including OS (Android/Linux, etc.), middleware and application software.

4 Robust Supply Chain and Quality Management

Technologies needed for today's advanced SoCs are becoming more complex, sophisticated, and diverse to maximize performance and meet all specifications. Socionext collaborates closely with partners with leading-edge technologies around the world and offers optimal products by shortening time-to-market through its supply chain management and quality control systems developed over many years.

With the combination of its many strengths, Socionext's "Solution SoC" drives customers' innovation by providing turnkey support from the system design phase to manufacturing, delivery, and quality assurance.

Leveraging the advantage of "Solution SoC" for high profitability

Socionext serves the diverse needs of the world's leading companies by leveraging its system expertise and core technologies garnered over the years through ASIC and ASSP businesses. By contributing to the following focus areas, we take on challenges to create a better society and ensure a better quality of experiences for people around the world.

Advanced Technology / Large-Scale SoC Design

In the fields of "automotive", "data center & networking", and "smart devices", functionality and performance are becoming increasingly sophisticated. We design and develop our products based on common concepts, including subsystem configuration and bus architecture, and deliver SoCs that meet their scalability needs and enable the optimal function and performance for each application.

[Automotive]

The next generation of automotive development features a shift to autonomous driving. Dedicated SoCs with the most advanced technologies are needed to enable these highly demanding systems. We collaborate with major car OEMs and Tier-1 manufacturers that lead the global market, delivering custom SoCs required for advanced applications, as well as contributing to a safe, secure, environmentally friendly, and comfortable mobility.



[Data Center & Networking]

In the data center field, the increasing volume of data and application processing and communication traffic along with low latency represent major challenges. In networking, demand for large-volume, high-speed wireless communications is expanding globally, combined with the launch of full-scale services for the fifth generation (5G) ultra-high-speed wireless communication. Socionext develops high-performance custom SoCs by utilizing its multi-core design capability and low-power AI engine and accelerator to meet the customers' exact needs for feature and performance.



[Smart Devices]

The smart device market is expected to grow rapidly as AR/VR products and smart glasses are becoming smaller and more feature-rich. Socionext will continue to further advance its technologies for high performance SoC designs to meet the needs for smaller form factors and reduced power consumption.



Advanced Industrial SoCs

For more than 20 years, Socionext has provided custom SoCs to global equipment providers in industrial applications, including factory automation. We meet our customers' special design and development needs with our expertise and guaranteed long-term supply. We develop high-performance custom SoCs by utilizing its multi-core design technology to enable customers to reduce the size and power of their devices.



RF-CMOS Technology / IoT & Radar Sensing

Socionext has been developing intelligent, compact, and low-power radar sensors (24GHz/60GHz) with RF-CMOS technology at the core. Utilizing our ability to integrate core technologies into a complete system, we develop a wide range of solutions. Usage areas include communication infrastructure (LPWA/HD-PLC, satellite communication) and in-vehicle radar. Our ASSPs and Custom SoCs are designed in accordance with our customers' specific requirements.



Providing Optimum Quality to Customers through Comprehensive Management Systems

The products of Socionext are utilized in various fields and are playing very important roles in our customers' products. We build quality products that meet the varying QCD (Quality, Cost, and Delivery) needs of our customers. Additionally, through comprehensive management systems for the planning and design stages, we as a fabless company choose perfect partner companies (contract manufacturers) in Japan and overseas according to the characteristics, functionality, and quality of products to be manufactured. Moreover, by leveraging our high-quality and reliable technology that has been developed in the global market and through strong cooperation with our partner companies (contract manufacturers), we provide optimum quality to our customers in a timely manner.

Quality assurance system

Selecting a foundry is a critical part of ensuring optimum quality. In Socionext, we coordinate with domestic and overseas foundry partners that have state-of-the-art technologies and have established an advanced quality assurance system in order to provide the best solutions to satisfy the diverse needs of our customers.



ISO9001 certification

ISO9001 is an international standard for quality management systems with the aim of improving product quality assurance systems and increasing customer satisfaction. We acquired ISO9001 certification. Furthermore, we have set up a system that can expand globally using the production lines of partner companies that have the IATF16949 certification, which is standard in the automotive industry.



Aiming to Achieve a Sustainable and Rich, Low-Carbon Society

Socionext is aiming to become a company that contributes to a sustainable and rich, low-carbon society in harmony with local communities. Our commitment to address global environmental issues together with our customers and society started with each of our employees becoming environmentally conscious. Through the development and distribution of energy-saving and space-saving eco-friendly devices and solutions, we help reduce of the environmental impact of our customers' products.

Environmentally friendly products

Socionext is pursuing the design and development of products that are environmentally friendly while strictly complying with legal regulations. By developing low-power consumption products and providing products that correspond to the legal and regulatory environment of various countries, we are delivering peace of mind to our customers.

The products of Socionext and the packing and packaging materials comply with the EU REACH regulations*1, EU RoHS directive*2, China RoHS directive*3 and other laws and regulations (excluding exceptions for applying usage prohibition measures).

* 1 : The regulations in the EU with the purpose of registering, evaluating, authorizing and restricting chemicals (Registration, Evaluation, Authorization and Restriction of Chemicals)

* 2 : The directive that prohibits the use of specific hazardous substances in electronic and electrical equipment sold in the EU (Restriction of Hazardous Substances)

* 3 : The directive that prohibits the use of specific hazardous substances in electronic and electrical equipment sold in the People's Republic of China (Regulatory ordinance preventing pollution from the production of electronic and information products)

ISO14001 certification

ISO14001 is an international standard for environmental management system (EMS), outlined with the aim of improving environmental performance of an organization. Socionext is continuing its activities to reduce impacts to the environment based on the requirements of ISO14001.



Our Worldwide Support Organization Provides High Quality Service to Customers

● Global HQ ● Group Company HQ ○ Design, Development and Sales Offices

■ JAPAN



■ ASIA



■ EUROPE



■ NORTH AMERICA



We Support Reliability and Innovation through our Group's Comprehensive Strength

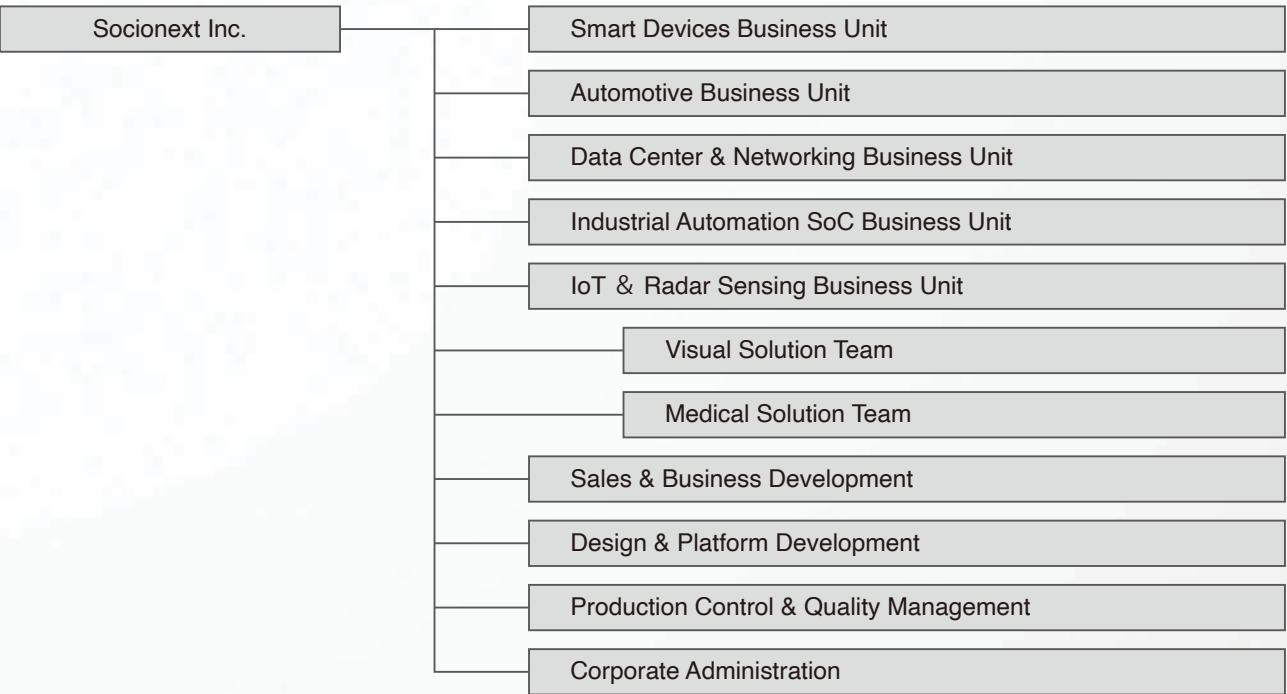
Company Outline

Company name	: Socionext Inc.	
Headquarters	: Nomura Shin-Yokohama Bldg., 2-10-23 Shin-Yokohama, Kohoku-ku, Yokohama, Kanagawa, 222-0033, Japan	
Capital	: 30.2 billion yen	
Start of business	: March 1, 2015	
Business description	: Design, development, and sales of SoC and solutions/services centering on SoC.	
Employees	: About 2,600	
Shareholders	: Development Bank of Japan, Fujitsu Limited, Panasonic Corporation	
Executives	: Masahiro Koezuka	Representative Director, Chairman & President
	Koichi Otsuki	Board Director
	Noriaki Kubo	Board Director
	Yutaka Yoneyama	Board Director
	Shin-ichi Ando	Board Director
	Katsushi Kitajo	Board Director
	Morimasa Ikemoto	Board Director
	Yoshiyuki Miyabe	Board Director
	Masatoshi Suzuki	Board Director
	Tsuyoshi Sakuma	Board Director (Audit & Supervisory Committee Member)
	Kenji Hanawa	Board Director (Audit & Supervisory Committee Member)
	Sachiko Kasano	Board Director (Audit & Supervisory Committee Member)
	Yasuyoshi Ichikawa	Board Director (Audit & Supervisory Committee Member)

Executive Officers

Masahiro Koezuka	Representative Director, Chairman, President & CEO
Koichi Otsuki	Deputy President
Noriaki Kubo	Deputy President
Yutaka Yoneyama	Corporate Executive Vice President
Shin-ichi Ando	Corporate Executive Vice President
Mitsugu Naito	Corporate Executive Vice President
Hisato Yoshida	Corporate Executive Vice President
Tom Miyake	Corporate Executive Vice President
Tadashi Saito	Corporate Senior Vice President
Seiji Goto	Corporate Senior Vice President
Yutaka Hayashi	Corporate Senior Vice President
Masaitsu Nakajima	Corporate Senior Vice President

Organization Chart



Socionext Group

- ▶ Socionext Inc.
- ▶ Socionext America Inc.
- ▶ Socionext Europe GmbH
- ▶ Socionext Korea Ltd.
- ▶ Socionext Technology (Shanghai) Co., Ltd.
- ▶ Socionext Technology Pacific Asia Ltd.
- ▶ Socionext Taiwan Inc.