

Integrated Innovation: Insights into the System on a Chip (SoC) Market by Present Scenario and Growth Prospects 2031

UNITED STATES, BURLINGAME, UNITED STATES, May 20, 2024

/EINPresswire.com/ -- A system on a chip or SoC is an integrated circuit that integrates all components of a computer or other electronic systems into a single chip. It typically includes digital, analog, mixed-signal, and often radio-frequency functions all on one chip substrate. SoCs are widely used in mobile devices like smartphones, tablets, wearable devices and other consumer electronics.



Global system on a chip (SoC) Market is estimated to be valued at USD 199.46 billion in 2024 and is expected to reach USD 248.72 billion by 2031, exhibiting a compound annual growth rate (CAGR) of 3.2% from 2024 to 2031.

Market Dynamics:

The increasing demand for mobile devices like smartphones and tablets across the globe is driving the growth of the SoC market. As per estimates, over 6 billion smartphones are projected to sell worldwide in 2024. SoCs are increasingly being used in mobile devices due to their ability to deliver high processing power while consuming less battery. Additionally, the increasing adoption of technologies like AI, IoT and 5G is requiring more powerful and efficient SoCs, thus propelling the SoC market growth over the forecast period. SoC manufacturers are also focusing on integrating more functionalities in a single chip to reduce product size and cost for consumers.

Increasing applications of IoT and connected devices is a key driver for SoC market growth

The number of connected devices being used across various industries is growing exponentially with the rapid adoption of Internet of Things (IoT) technology. Many devices such as smartphones, consumer electronics, appliances, autonomous vehicles and more are being

integrated with sensing and wireless communication capabilities. System on a chip offers an ideal solution for such connected devices as it allows the integration of various components including processors, memory, wireless radios, sensors and other peripherals into a single integrated circuit. This significantly reduces the size, cost and power consumption of electronic devices. The widespread use of SoCs in many IoT devices and applications is expected to drive strong revenue growth for the SoC market over the coming years.

Request a sample copy of the report

@<https://www.coherentmarketinsights.com/insight/request-sample/3755>

Growing demand for advanced multicore processors and applications processors is fueling the SoC market

Modern SoCs are incorporating high-performance multicore processors and specialized application processors to support advanced technologies like machine learning, augmented reality, autonomous systems and more. The integration of features like image signal processors, graphics processing units and neural network accelerators in current and next-gen SoCs enables capabilities such as object recognition, localization and automated decision making. The rollout of 5G networks and advent of applications like autonomous driving are likely to accelerate the demand for powerful yet power efficient SoCs. Advanced multicore processors with specialized accelerators provide a competitive edge to SoC vendors and are expected to appeal to a wide customer base across automotive, consumer electronics, industrial and telecommunications industries.

Key Company Profiles:

Apple Inc, Broadcom Limited, HiSilicon , Huawei Technologies Co. Ltd., Infineon Technologies , Intel Corporation, , Magna International Inc, Maxim Integrated Products, Inc, MediaTek Inc, Microchip Technology Inc, NXP Semiconductors N. V., ON Semiconductor , Qualcomm Technologies Inc, Renesas Electronics Corporation, Samsung Electronics Co. Ltd., Semiconductor Components Industries, LLC , STMicroelectronics N. V, Taiwan Semiconductor Manufacturing Company Limited, Texas Instruments , Toshiba Corporation

Market segmentation:

Type Insights (Revenue, USD Bn, 2019 - 2031)

Digital

Analog

Mixed Signal

End-use Industry Insights (Revenue, USD Bn, 2019 - 2031)

Automotive

Aerospace & Defense
IT & Telecommunication
Consumer Electronics
Industrial
Healthcare
Others

Key Region/Countries are Classified as Follows:

- » North America (U.S., Canada, Mexico)
- » Europe (Germany, U.K., France, Italy, Russia, Spain, Rest of Europe)
- » Asia-Pacific (China, India, Japan, Singapore, Australia, New Zealand, Rest of APAC)
- » South America (Brazil, Argentina, Rest of SA)
- » Middle East & Africa (Turkey, Saudi Arabia, Iran, UAE, Africa, Rest of MEA)

Buy Now @ <https://www.coherentmarketinsights.com/insight/buy-now/3755>

Some of the Major Points of TOC cover:

Chapter 1: Techniques & Scope

- 1.1 Definition and forecast parameters
- 1.2 Methodology and forecast parameters
- 1.3 Information Sources

Chapter 2: Latest Trends Summary

- 2.1 Regional trends
- 2.2 Product trends
- 2.3 End-use trends
- 2.4 Business trends

Chapter 3: Industry Insights

- 3.1 Industry fragmentation
- 3.2 Industry landscape
- 3.3 Vendor matrix
- 3.4 Technological and Innovative Landscape

Chapter 4: System on a Chip (SoC) Market , By Region

Chapter 5: Company Profiles

5.1 Overview of the Company

5.2 Economic components

5.3 Product Overview

5.4 Analysis of Strengths and Weaknesses

5.5 Methodical Outlook

Chapter 6: Assumptions and Acronyms

Chapter 7: Research Methodology

Chapter 8: Contact (Continue . . .)

Request for Report Customization @ <https://www.coherentmarketinsights.com/insight/request-customization/3755>

Mr. Shah

Coherent Market Insights Pvt Ltd

+1 2067016702

[email us here](#)

This press release can be viewed online at: <https://www.einpresswire.com/article/713058756>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2024 Newsmatics Inc. All Right Reserved.