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Global System on Module Market 2023-2029

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Abstracts

System on modules (SoMs) are designed to be integrated into larger systems, such as embedded devices, without the need for extensive hardware design or development. The use of SoMs offers several advantages over traditional embedded systems design. SoMs simplify the design process, reduce development time, and lower costs by providing a pre-designed, pre-tested, and pre-certified computing platform. They also allow for easy upgrades and scalability, as newer and more powerful SoMs become available. SoMs are used in a wide range of applications, including industrial automation, medical devices, transportation systems, and consumer electronics. They are particularly useful in applications that require high reliability, low power consumption, and small form factor. According to the latest estimates, the global system on module market is set to achieve an incremental growth of USD 1.6 billion, accelerating at a CAGR of almost 7.82% during the forecast period 2023-2029.

The report covers market size and growth, segmentation, regional breakdowns, competitive landscape, trends and strategies for global system on module market. It presents a quantitative analysis of the market to enable stakeholders to capitalize on the prevailing market opportunities. The report also identifies top segments for opportunities and strategies based on market trends and leading competitors' approaches.

This industry report offers market estimates and forecasts of the global market, followed by a detailed analysis of the type, standard, application, and region. The global market for system on module can be segmented by type: ARM architecture, X86 architecture, power architecture. The ARM architecture segment was the largest contributor to the global system on module market in 2022. System on module market is further segmented by standard: COM express, SMARC, Qseven, ETX/XTX, COM-HPC, others. According to the research, the Qseven segment had the largest share in the global system on module market. Based on application, the system on module market is

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segmented into: automation, medical, entertainment, transportation, measurement, others. The automation segment held the largest revenue share in 2022. On the basis of region, the system on module market also can be divided into: Asia-Pacific, Europe, North America, RoW (Rest of World). Globally, North America made up the largest share of the system on module market.

The automation market is further segmented into embedded vision, industrial robot, industrial gateways, m2m communication, human machine interface (HMI), others. The industrial gateways segment is estimated to account for the largest share of the global system on module market. Furthermore, the medical market has been categorized into ECGs, infusion pumps, ventilators, bedside terminals, patient monitors, others. The patient monitors segment held the largest share of the global system on module market in 2022 and is anticipated to hold its share during the forecast period.

Market Segmentation
By type: ARM architecture, X86 architecture, power architecture
By standard: COM express, SMARC, Qseven, ETX/XTX, COM-HPC, others
By application: automation, medical, entertainment, transportation, measurement, others
By region: Asia-Pacific, Europe, North America, RoW (Rest of World)

The report also provides analysis of the key companies of the industry and their detailed company profiles including Microchip Technology Inc., National Instruments Corp., Kontron AG, Congatec AG, Avnet Inc., AAEON Technology Inc., Advantech Co., Ltd., Avalue Technology Inc., Axiomtek Co., Ltd., Seco S.p.A., VIA Technologies, Inc., among others. In this report, key players and their strategies are thoroughly analyzed to understand the competitive outlook of the market.
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Scope of the Report
To analyze and forecast the market size of the global system on module market.
To classify and forecast the global system on module market based on type, standard, application, region.
To identify drivers and challenges for the global system on module market.
To examine competitive developments such as mergers & acquisitions, agreements, collaborations and partnerships, etc., in the global system on module market.
To identify and analyze the profile of leading players operating in the global system on module market.

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Why Choose This Report

Gain a reliable outlook of the global system on module market forecasts from 2023 to 2029 across scenarios.

Identify growth segments for investment.

Stay ahead of competitors through company profiles and market data.

The market estimate for ease of analysis across scenarios in Excel format.

Strategy consulting and research support for three months.

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Power architecture

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SMARC
Qseven
ETX/XTX
COM-HPC
Others

PART 7. MARKET BREAKDOWN BY APPLICATION

Automation

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Medical
Entertainment
Transportation
Measurement
Others

PART 8. MARKET BREAKDOWN BY REGION

Asia-Pacific
Europe
North America
RoW (Rest of World)

PART 9. KEY COMPANIES

Microchip Technology Inc.
National Instruments Corp.
Kontron AG
Congatec AG
Avnet Inc.
AAEON Technology Inc.
Advantech Co., Ltd.
Avalue Technology Inc.
Axiomtek Co., Ltd.
Seco S.p.A.
VIA Technologies, Inc.
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