+44 20 8123 2220
info@marketpublishers.com

System-on-Chip (SoC) Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

https://marketpublishers.com/r/S80D995E4DEFEN.html
Date: February 2023
Pages: 143
Price: US$ 2,499.00 (Single User License)
ID: S80D995E4DEFEN

Abstracts

The global system-on-chip (SoC) market size reached US$ 163.8 Billion in 2022. Looking forward, IMARC Group expects the market to reach US$ 260.0 Billion by 2028, exhibiting a growth rate (CAGR) of 7.83% during 2023-2028.

A system-on-chip (SoC) is an integrated circuit (IC) that comprises digital, analog, mixed-signal, and radio frequency functions. It includes various components, such as a central processing unit (CPU), system memory, peripheral controllers, graphics processing units (GPUs), specialized neural network circuitry, and radio modems. It is more reliable than multi-chip systems and offers numerous benefits, such as less power consumption and high efficiency. It helps minimize energy wastage and reduce cost as SoC comprises a single processor. As a result, it is widely used in signal processing, wireless communication, artificial intelligence (AI), and other computing tasks.

System-on-Chip (SoC) Market Trends:
The rising trend of digitalization and the expansion of the information technology (IT) industry represent one of the key factors catalyzing the demand for SoC across the globe. In addition, increasing incidents of cyber-attacks and security breaches are encouraging organizations to employ database management and fraud detection, and cybersecurity systems to prevent data theft. Apart from this, the growing sales of smartphones, tablets, laptops, and wearable devices equipped with SoCs are driving the market. The rising usage of artificial intelligence (AI) chip technology in consumer and enterprise devices is offering lucrative growth opportunities to manufacturers. Furthermore, leading market players are focusing on product launches to enhance their product portfolio and attract a wider consumer base. The development of smart cities and transportation facilities is increasing the adoption of the internet of things (IoT),

+44 20 8123 2220
info@marketpublishers.com

which is positively influencing the market. Additionally, leading companies are continuously investing in research and development (R&D) to innovate in deep learning and machine learning (ML) chips and expand their market reach, which is projected to impel the market growth.

Key Market Segmentation:
IMARC Group provides an analysis of the key trends in each sub-segment of the global system-on-chip (SoC) market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on type, application and end use industry.

Breakup by Type:

Digital
Analog
Mixed Signal

Breakup by Application:

Smartphones
Networking Devices
PC/Laptops
Game Consoles
Digital Cameras
Others

Breakup by End Use Industry:

Automotive
Aerospace and Defense
IT and Telecommunication
Consumer Electronics
Industrial
Healthcare
Others

Breakup by Region:

North America

+44 20 8123 2220
info@marketpublishers.com

United States
Canada
Asia-Pacific
China
Japan
India
South Korea
Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:
The competitive landscape of the industry has also been examined along with the profiles of the key players being Advanced Micro Devices Inc., Broadcom Inc., Huawei Technologies Co. Ltd., Infineon Technologies AG, Intel Corporation, MediaTek Inc., Microchip Technology Inc, Nvidia Corporation, onsemi, Qualcomm Incorporated, Renesas Electronics Corporation, STMicroelectronics N.V., Taiwan Semiconductor Manufacturing Company Limited and Texas Instruments Incorporated.

Key Questions Answered in This Report

1. What was the size of the global System-on-Chip (SoC) market in 2022?
2. What is the expected growth rate of the global System-on-Chip (SoC) market during 2023-2028?
3. What has been the impact of COVID-19 on the global System-on-Chip (SoC) market?
4. What are the key factors driving the global System-on-Chip (SoC) market?

+44 20 8123 2220
info@marketpublishers.com

5. What is the breakup of the global System-on-Chip (SoC) market based on the type?
6. What is the breakup of the global System-on-Chip (SoC) market based on the end use industry?
7. What are the key regions in the global System-on-Chip (SoC) market?
8. Who are the key players/companies in the global System-on-Chip (SoC) market?

+44 20 8123 2220
info@marketpublishers.com

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

2.1 Objectives of the Study
2.2 Stakeholders
2.3 Data Sources
  2.3.1 Primary Sources
  2.3.2 Secondary Sources
2.4 Market Estimation
  2.4.1 Bottom-Up Approach
  2.4.2 Top-Down Approach
2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

4.1 Overview
4.2 Key Industry Trends

5 GLOBAL SYSTEM-ON-CHIP (SOC) MARKET

5.1 Market Overview
5.2 Market Performance
5.3 Impact of COVID-19
5.4 Market Forecast

6 MARKET BREAKUP BY TYPE

6.1 Digital
  6.1.1 Market Trends
  6.1.2 Market Forecast
6.2 Analog
  6.2.1 Market Trends
  6.2.2 Market Forecast
6.3 Mixed Signal

+44 20 8123 2220
info@marketpublishers.com

6.3.1 Market Trends
6.3.2 Market Forecast

7 MARKET BREAKUP BY APPLICATION

7.1 Smartphones
7.1.1 Market Trends
7.1.2 Market Forecast
7.2 Networking Devices
7.2.1 Market Trends
7.2.2 Market Forecast
7.3 PC/Laptops
7.3.1 Market Trends
7.3.2 Market Forecast
7.4 Game Consoles
7.4.1 Market Trends
7.4.2 Market Forecast
7.5 Digital Cameras
7.5.1 Market Trends
7.5.2 Market Forecast
7.6 Others
7.6.1 Market Trends
7.6.2 Market Forecast

8 MARKET BREAKUP BY END USE INDUSTRY

8.1 Automotive
8.1.1 Market Trends
8.1.2 Market Forecast
8.2 Aerospace and Defense
8.2.1 Market Trends
8.2.2 Market Forecast
8.3 IT and Telecommunication
8.3.1 Market Trends
8.3.2 Market Forecast
8.4 Consumer Electronics
8.4.1 Market Trends
8.4.2 Market Forecast
8.5 Industrial

+44 20 8123 2220
info@marketpublishers.com

8.5.1 Market Trends
8.5.2 Market Forecast
8.6 Healthcare
8.6.1 Market Trends
8.6.2 Market Forecast
8.7 Others
8.7.1 Market Trends
8.7.2 Market Forecast

9 MARKET BREAKUP BY REGION

9.1 North America
9.1.1 United States
9.1.1.1 Market Trends
9.1.1.2 Market Forecast
9.1.2 Canada
9.1.2.1 Market Trends
9.1.2.2 Market Forecast
9.2 Asia-Pacific
9.2.1 China
9.2.1.1 Market Trends
9.2.1.2 Market Forecast
9.2.2 Japan
9.2.2.1 Market Trends
9.2.2.2 Market Forecast
9.2.3 India
9.2.3.1 Market Trends
9.2.3.2 Market Forecast
9.2.4 South Korea
9.2.4.1 Market Trends
9.2.4.2 Market Forecast
9.2.5 Australia
9.2.5.1 Market Trends
9.2.5.2 Market Forecast
9.2.6 Indonesia
9.2.6.1 Market Trends
9.2.6.2 Market Forecast
9.2.7 Others
9.2.7.1 Market Trends

+44 20 8123 2220
info@marketpublishers.com

9.2.7.2 Market Forecast
9.3 Europe
9.3.1 Germany
9.3.1.1 Market Trends
9.3.1.2 Market Forecast
9.3.2 France
9.3.2.1 Market Trends
9.3.2.2 Market Forecast
9.3.3 United Kingdom
9.3.3.1 Market Trends
9.3.3.2 Market Forecast
9.3.4 Italy
9.3.4.1 Market Trends
9.3.4.2 Market Forecast
9.3.5 Spain
9.3.5.1 Market Trends
9.3.5.2 Market Forecast
9.3.6 Russia
9.3.6.1 Market Trends
9.3.6.2 Market Forecast
9.3.7 Others
9.3.7.1 Market Trends
9.3.7.2 Market Forecast
9.4 Latin America
9.4.1 Brazil
9.4.1.1 Market Trends
9.4.1.2 Market Forecast
9.4.2 Mexico
9.4.2.1 Market Trends
9.4.2.2 Market Forecast
9.4.3 Others
9.4.3.1 Market Trends
9.4.3.2 Market Forecast
9.5 Middle East and Africa
9.5.1 Market Trends
9.5.2 Market Breakup by Country
9.5.3 Market Forecast

10 SWOT ANALYSIS

+44 20 8123 2220
info@marketpublishers.com

10.1 Overview
10.2 Strengths
10.3 Weaknesses
10.4 Opportunities
10.5 Threats

11 VALUE CHAIN ANALYSIS

12 PORTERS FIVE FORCES ANALYSIS

12.1 Overview
12.2 Bargaining Power of Buyers
12.3 Bargaining Power of Suppliers
12.4 Degree of Competition
12.5 Threat of New Entrants
12.6 Threat of Substitutes

13 PRICE ANALYSIS

14 COMPETITIVE LANDSCAPE

14.1 Market Structure
14.2 Key Players
14.3 Profiles of Key Players
14.3.1 Advanced Micro Devices Inc.
14.3.1.1 Company Overview
14.3.1.2 Product Portfolio
14.3.1.3 Financials
14.3.1.4 SWOT Analysis
14.3.2 Broadcom Inc.
14.3.2.1 Company Overview
14.3.2.2 Product Portfolio
14.3.2.3 Financials
14.3.2.4 SWOT Analysis
14.3.3 Huawei Technologies Co. Ltd.
14.3.3.1 Company Overview
14.3.3.2 Product Portfolio
14.3.4 Infineon Technologies AG

+44 20 8123 2220
info@marketpublishers.com

14.3.4.1 Company Overview
14.3.4.2 Product Portfolio
14.3.4.3 Financials
14.3.4.4 SWOT Analysis
14.3.5 Intel Corporation
14.3.5.1 Company Overview
14.3.5.2 Product Portfolio
14.3.5.3 Financials
14.3.5.4 SWOT Analysis
14.3.6 MediaTek Inc.
14.3.6.1 Company Overview
14.3.6.2 Product Portfolio
14.3.6.3 Financials
14.3.6.4 SWOT Analysis
14.3.7 Microchip Technology Inc
14.3.7.1 Company Overview
14.3.7.2 Product Portfolio
14.3.7.3 Financials
14.3.7.4 SWOT Analysis
14.3.8 Nvidia Corporation
14.3.8.1 Company Overview
14.3.8.2 Product Portfolio
14.3.8.3 Financials
14.3.8.4 SWOT Analysis
14.3.9 onsemi
14.3.9.1 Company Overview
14.3.9.2 Product Portfolio
14.3.9.3 Financials
14.3.9.4 SWOT Analysis
14.3.10 Qualcomm Incorporated
14.3.10.1 Company Overview
14.3.10.2 Product Portfolio
14.3.10.3 Financials
14.3.10.4 SWOT Analysis
14.3.11 Renesas Electronics Corporation
14.3.11.1 Company Overview
14.3.11.2 Product Portfolio
14.3.11.3 Financials
14.3.11.4 SWOT Analysis

+44 20 8123 2220
info@marketpublishers.com

14.3.12 STMicroelectronics N.V.
14.3.12.1 Company Overview
14.3.12.2 Product Portfolio
14.3.12.3 Financials
14.3.12.4 SWOT Analysis
14.3.13 Taiwan Semiconductor Manufacturing Company Limited
14.3.13.1 Company Overview
14.3.13.2 Product Portfolio
14.3.13.3 Financials
14.3.13.4 SWOT Analysis
14.3.14 Texas Instruments Incorporated
14.3.14.1 Company Overview
14.3.14.2 Product Portfolio
14.3.14.3 Financials
14.3.14.4 SWOT Analysis

+44 20 8123 2220
info@marketpublishers.com

List Of Tables

LIST OF TABLES

Table 1: Global: System-on-Chip Market: Key Industry Highlights, 2022 and 2028
Table 2: Global: System-on-Chip Market Forecast: Breakup by Type (in Million US$), 2023-2028
Table 3: Global: System-on-Chip Market Forecast: Breakup by Application (in Million US$), 2023-2028
Table 4: Global: System-on-Chip Market Forecast: Breakup by End Use Industry (in Million US$), 2023-2028
Table 5: Global: System-on-Chip Market Forecast: Breakup by Region (in Million US$), 2023-2028
Table 6: Global: System-on-Chip Market: Competitive Structure
Table 7: Global: System-on-Chip Market: Key Players

+44 20 8123 2220
info@marketpublishers.com

List Of Figures

LIST OF FIGURES

Figure 1: Global: System-on-Chip Market: Major Drivers and Challenges
Figure 2: Global: System-on-Chip Market: Sales Value (in Billion US$), 2017-2022
Figure 3: Global: System-on-Chip Market Forecast: Sales Value (in Billion US$), 2023-2028
Figure 4: Global: System-on-Chip Market: Breakup by Type (in %), 2022
Figure 5: Global: System-on-Chip Market: Breakup by Application (in %), 2022
Figure 6: Global: System-on-Chip Market: Breakup by End Use Industry (in %), 2022
Figure 7: Global: System-on-Chip Market: Breakup by Region (in %), 2022
Figure 8: Global: System-on-Chip (Digital) Market: Sales Value (in Million US$), 2017 & 2022
Figure 9: Global: System-on-Chip (Digital) Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 10: Global: System-on-Chip (Analog) Market: Sales Value (in Million US$), 2017 & 2022
Figure 11: Global: System-on-Chip (Analog) Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 12: Global: System-on-Chip (Mixed Signal) Market: Sales Value (in Million US$), 2017 & 2022
Figure 13: Global: System-on-Chip (Mixed Signal) Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 14: Global: System-on-Chip (Smartphones) Market: Sales Value (in Million US$), 2017 & 2022
Figure 15: Global: System-on-Chip (Smartphones) Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 16: Global: System-on-Chip (Networking Devices) Market: Sales Value (in Million US$), 2017 & 2022
Figure 17: Global: System-on-Chip (Networking Devices) Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 18: Global: System-on-Chip (PC/Laptops) Market: Sales Value (in Million US$), 2017 & 2022
Figure 19: Global: System-on-Chip (PC/Laptops) Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 20: Global: System-on-Chip (Game Consoles) Market: Sales Value (in Million US$), 2017 & 2022
Figure 21: Global: System-on-Chip (Game Consoles) Market Forecast: Sales Value (in

+44 20 8123 2220
info@marketpublishers.com

Million US$), 2023-2028
Figure 22: Global: System-on-Chip (Digital Cameras) Market: Sales Value (in Million US$), 2017 & 2022
Figure 23: Global: System-on-Chip (Digital Cameras) Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 24: Global: System-on-Chip (Other Applications) Market: Sales Value (in Million US$), 2017 & 2022
Figure 25: Global: System-on-Chip (Other Applications) Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 26: Global: System-on-Chip (Automotive) Market: Sales Value (in Million US$), 2017 & 2022
Figure 27: Global: System-on-Chip (Automotive) Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 28: Global: System-on-Chip (Aerospace and Defense) Market: Sales Value (in Million US$), 2017 & 2022
Figure 29: Global: System-on-Chip (Aerospace and Defense) Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 30: Global: System-on-Chip (IT and Telecommunication) Market: Sales Value (in Million US$), 2017 & 2022
Figure 31: Global: System-on-Chip (IT and Telecommunication) Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 32: Global: System-on-Chip (Consumer Electronics) Market: Sales Value (in Million US$), 2017 & 2022
Figure 33: Global: System-on-Chip (Consumer Electronics) Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 34: Global: System-on-Chip (Industrial) Market: Sales Value (in Million US$), 2017 & 2022
Figure 35: Global: System-on-Chip (Industrial) Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 36: Global: System-on-Chip (Healthcare) Market: Sales Value (in Million US$), 2017 & 2022
Figure 37: Global: System-on-Chip (Healthcare) Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 38: Global: System-on-Chip (Other End Use Industries) Market: Sales Value (in Million US$), 2017 & 2022
Figure 39: Global: System-on-Chip (Other End Use Industries) Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 40: North America: System-on-Chip Market: Sales Value (in Million US$), 2017 & 2022

+44 20 8123 2220
info@marketpublishers.com

Figure 41: North America: System-on-Chip Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 42: United States: System-on-Chip Market: Sales Value (in Million US$), 2017 & 2022
Figure 43: United States: System-on-Chip Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 44: Canada: System-on-Chip Market: Sales Value (in Million US$), 2017 & 2022
Figure 45: Canada: System-on-Chip Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 46: Asia-Pacific: System-on-Chip Market: Sales Value (in Million US$), 2017 & 2022
Figure 47: Asia-Pacific: System-on-Chip Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 48: China: System-on-Chip Market: Sales Value (in Million US$), 2017 & 2022
Figure 49: China: System-on-Chip Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 50: Japan: System-on-Chip Market: Sales Value (in Million US$), 2017 & 2022
Figure 51: Japan: System-on-Chip Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 52: India: System-on-Chip Market: Sales Value (in Million US$), 2017 & 2022
Figure 53: India: System-on-Chip Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 54: South Korea: System-on-Chip Market: Sales Value (in Million US$), 2017 & 2022
Figure 55: South Korea: System-on-Chip Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 56: Australia: System-on-Chip Market: Sales Value (in Million US$), 2017 & 2022
Figure 57: Australia: System-on-Chip Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 58: Indonesia: System-on-Chip Market: Sales Value (in Million US$), 2017 & 2022
Figure 59: Indonesia: System-on-Chip Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 60: Others: System-on-Chip Market: Sales Value (in Million US$), 2017 & 2022
Figure 61: Others: System-on-Chip Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 62: Europe: System-on-Chip Market: Sales Value (in Million US$), 2017 & 2022
Figure 63: Europe: System-on-Chip Market Forecast: Sales Value (in Million US$), 2023-2028

+44 20 8123 2220
info@marketpublishers.com

Figure 64: Germany: System-on-Chip Market: Sales Value (in Million US$), 2017 & 2022
Figure 65: Germany: System-on-Chip Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 66: France: System-on-Chip Market: Sales Value (in Million US$), 2017 & 2022
Figure 67: France: System-on-Chip Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 68: United Kingdom: System-on-Chip Market: Sales Value (in Million US$), 2017 & 2022
Figure 69: United Kingdom: System-on-Chip Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 70: Italy: System-on-Chip Market: Sales Value (in Million US$), 2017 & 2022
Figure 71: Italy: System-on-Chip Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 72: Spain: System-on-Chip Market: Sales Value (in Million US$), 2017 & 2022
Figure 73: Spain: System-on-Chip Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 74: Russia: System-on-Chip Market: Sales Value (in Million US$), 2017 & 2022
Figure 75: Russia: System-on-Chip Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 76: Others: System-on-Chip Market: Sales Value (in Million US$), 2017 & 2022
Figure 77: Others: System-on-Chip Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 78: Latin America: System-on-Chip Market: Sales Value (in Million US$), 2017 & 2022
Figure 79: Latin America: System-on-Chip Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 80: Brazil: System-on-Chip Market: Sales Value (in Million US$), 2017 & 2022
Figure 81: Brazil: System-on-Chip Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 82: Mexico: System-on-Chip Market: Sales Value (in Million US$), 2017 & 2022
Figure 83: Mexico: System-on-Chip Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 84: Others: System-on-Chip Market: Sales Value (in Million US$), 2017 & 2022
Figure 85: Others: System-on-Chip Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 86: Middle East and Africa: System-on-Chip Market: Sales Value (in Million US$), 2017 & 2022
Figure 87: Middle East and Africa: System-on-Chip Market: Breakup by Country (in %),

+44 20 8123 2220
info@marketpublishers.com

2022
Figure 88: Middle East and Africa: System-on-Chip Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 89: Global: System-on-Chip Industry: SWOT Analysis
Figure 90: Global: System-on-Chip Industry: Value Chain Analysis
Figure 91: Global: System-on-Chip Industry: Porter's Five Forces Analysis

+44 20 8123 2220
info@marketpublishers.com

I would like to order

Product name: System-on-Chip (SoC) Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

Product link: https://marketpublishers.com/r/S80D995E4DEFEN.html

Price: US$ 2,499.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/S80D995E4DEFEN.html

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

**All fields are required

Custumer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at https://marketpublishers.com/docs/terms.html

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

+44 20 8123 2220
info@marketpublishers.com