

Autonomous Driving SoC Market By Level of Autonomy (Level 2, Level 3, Level 4, Level 5) , By Application (Adaptive Cruise Control (ACC) , Lane Keeping Assistance System (LKAS) , Traffic Jam Assist (TJA) , Automated Parking System (APS) , Others) By Vehicle Type (Passenger Vehicles, Commercial Vehicles) : Global Opportunity Analysis and Industry Forecast, 2024-2033

<https://marketpublishers.com/r/AB44503A43EDEN.html>

Date: July 2024

Pages: 233

Price: US\$ 2,790.00 (Single User License)

ID: AB44503A43EDEN

Abstracts

The autonomous driving system-on-chip (SoC) market was valued at \$36.8 billion in 2023, and is projected to reach \$100.1 billion by 2033, growing at a CAGR of 10.6% from 2024 to 2033.

Autonomous driving system-on-chip (SoC) is a powerful integrated technology that plays a critical role in enabling autonomous functionalities. Autonomous driving SoCs enable vehicles to perceive their surroundings, interpret data from various sensors, and make autonomous navigation decisions. This integration not only enhances the efficiency and reliability of autonomous driving systems but also reduces power consumption and cost, making it a pivotal technology for smart, self-driving cars.

The growth of the global autonomous driving system-on-chip (SoC) market is driven by increase in demand for autonomous vehicles and heightened focus on integrating functional safety features into SoCs to ensure reliable and safe operation in autonomous driving applications. This is crucial for ensuring that ADAS systems operate safely and effectively under various conditions. With increasing installation of this system in vehicles, the risk of accidents is expected to decline drastically.

According to a recent study conducted by the American Automobile Association (AAA) Foundation for Traffic Safety and the University of North Carolina, ADAS is likely to prevent approximately 37 million crashes and 14 million injuries in the coming 30 years, stretching from 2021 to 2050. Furthermore, increase in implementation of 5G networks and vehicle-to-everything (V2X) communication systems to support real-time data exchange for autonomous driving boosts the demand for SoCs. Moreover, rise in penetration of electric vehicles, which often incorporate advanced technology, complements the development of autonomous driving systems, increasing the demand for efficient SoCs. However, developing advanced SoCs with the necessary processing power and functionality for ADAS involves significant R&D investment, which acts as a barrier for the market growth. In addition, complexities associated with integration of multiple ADAS functionalities into a single SoC to ensure reliability and performance hamper the market growth. On the contrary, significant investment and R&D efforts are being directed toward the advancement of autonomous driving SoCs, which are expected to drive innovation and accelerate the market's growth. Manufacturers are focusing on developing smaller process nodes, such as 5nm and below, that will allow for more transistors on a chip, improving performance and efficiency while reducing the physical size of the SoC. Such developments are anticipated to open new avenues for the expansion of the global market during the forecast period.

The global autonomous driving SoC market is segmented by vehicle type, level of autonomy, application, and region. On the basis of vehicle type, the market is divided into passenger vehicles and commercial vehicles. As per level of autonomy, it is segregated into level 2, level 3, level 4, and level 5. By application, it is segregated into adaptive cruise control (ACC), lane keeping assistance system (LKAS), traffic jam assist (TJA), automated parking system (APS), and others. Region wise, the market is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

Key Findings

On the basis of vehicle type, the passenger vehicles segment is expected exhibit notable growth by 2033.

Depending on level of autonomy, the level 5 segment is anticipated to dominate the market during the forecast period.

By application, adaptive cruise control (ACC) is projected to emerge as a leading segment in the coming years.

Region wise, Europe is likely to lead the market in the near future.

Competition Analysis

Competitive analysis and profiles of the major players in the global autonomous driving SoC market include NVIDIA Corporation, Intel Corporation, Qualcomm Technologies, Inc., Texas Instruments Incorporated, Ambarella Inc, MediaTek Inc., Renesas Electronics Corporation, Xilinx, Inc., NXP Semiconductors N.V., and Infineon Technologies AG. These major players have adopted various key development strategies such as business expansion, new product launches, and partnerships to sustain the intense competition and gain a strong foothold in the global market.

Additional benefits you will get with this purchase are:

Quarterly Update and* (only available with a corporate license, on listed price)

5 additional Company Profile of client Choice pre- or Post-purchase, as a free update.

Free Upcoming Version on the Purchase of Five and Enterprise User License.

16 analyst hours of support* (post-purchase, if you find additional data requirements upon review of the report, you may receive support amounting to 16 analyst hours to solve questions, and post-sale queries)

15% Free Customization* (in case the scope or segment of the report does not match your requirements, 15% is equivalent to 3 working days of free work, applicable once)

Free data Pack on the Five and Enterprise User License. (Excel version of the report)

Free Updated report if the report is 6-12 months old or older.

24-hour priority response*

Free Industry updates and white papers.

Possible Customization with this report (with additional cost and timeline, please talk to the sales executive to know more)

Additional company profiles with specific client's interest

Additional country or region analysis- market size and forecast

Expanded list for Company Profiles

SWOT Analysis

Key Market Segments

By Level Of Autonomy

Level 2

Level 3

Level 4

Level 5

By Application

Adaptive Cruise Control (ACC)

Lane Keeping Assistance System (LKAS)

Traffic Jam Assist (TJA)

Automated Parking System (APS)

Others

By Vehicle Type

Passenger Vehicles

Commercial Vehicles

By Region

North America

U.S.

Canada

Mexico

Europe

UK

Germany

France

Italy

Rest of Europe

Asia-Pacific

China

Japan

India

South Korea

Rest of Asia-Pacific

Latin America

Brazil

Argentina

Rest of Latin America

Middle East and Africa

UAE

Saudi Arabia

South Africa

Rest of Middle East and Africa

Key Market Players

NVIDIA Corporation

Intel Corporation

Qualcomm Technologies, Inc.

Texas Instruments Incorporated

Ambarella Inc

MediaTek Inc.

Renesas Electronics Corporation

Xilinx, Inc.

NXP Semiconductors N.V.

Infineon Technologies AG

Contents

CHAPTER 1: INTRODUCTION

- 1.1. Report Description
- 1.2. Key Market Segments
- 1.3. Key Benefits
- 1.4. Research Methodology
 - 1.4.1. Primary Research
 - 1.4.2. Secondary Research
 - 1.4.3. Analyst Tools and Models

CHAPTER 2: EXECUTIVE SUMMARY

- 2.1. CXO Perspective

CHAPTER 3: MARKET LANDSCAPE

- 3.1. Market Definition and Scope
- 3.2. Key Findings
 - 3.2.1. Top Investment Pockets
 - 3.2.2. Top Winning Strategies
- 3.3. Porter's Five Forces Analysis
 - 3.3.1. Bargaining Power of Suppliers
 - 3.3.2. Threat of New Entrants
 - 3.3.3. Threat of Substitutes
 - 3.3.4. Competitive Rivalry
 - 3.3.5. Bargaining Power among Buyers
- 3.4. Market Dynamics
 - 3.4.1. Drivers
 - 3.4.2. Restraints
 - 3.4.3. Opportunities

CHAPTER 4: CHICORY MARKET, BY PRODUCT TYPE

- 4.1. Market Overview
 - 4.1.1 Market Size and Forecast, By Product Type
- 4.2. Extract
 - 4.2.1. Key Market Trends, Growth Factors and Opportunities

- 4.2.2. Market Size and Forecast, By Region
- 4.2.3. Market Share Analysis, By Country
- 4.3. Roasted
 - 4.3.1. Key Market Trends, Growth Factors and Opportunities
 - 4.3.2. Market Size and Forecast, By Region
 - 4.3.3. Market Share Analysis, By Country
- 4.4. Instant Powder
 - 4.4.1. Key Market Trends, Growth Factors and Opportunities
 - 4.4.2. Market Size and Forecast, By Region
 - 4.4.3. Market Share Analysis, By Country
- 4.5. Flour
 - 4.5.1. Key Market Trends, Growth Factors and Opportunities
 - 4.5.2. Market Size and Forecast, By Region
 - 4.5.3. Market Share Analysis, By Country

CHAPTER 5: CHICORY MARKET, BY FORM

- 5.1. Market Overview
 - 5.1.1 Market Size and Forecast, By Form
- 5.2. Powder
 - 5.2.1. Key Market Trends, Growth Factors and Opportunities
 - 5.2.2. Market Size and Forecast, By Region
 - 5.2.3. Market Share Analysis, By Country
- 5.3. Cube
 - 5.3.1. Key Market Trends, Growth Factors and Opportunities
 - 5.3.2. Market Size and Forecast, By Region
 - 5.3.3. Market Share Analysis, By Country
- 5.4. Liquid
 - 5.4.1. Key Market Trends, Growth Factors and Opportunities
 - 5.4.2. Market Size and Forecast, By Region
 - 5.4.3. Market Share Analysis, By Country

CHAPTER 6: CHICORY MARKET, BY APPLICATION

- 6.1. Market Overview
 - 6.1.1 Market Size and Forecast, By Application
- 6.2. Food And Beverage Industry
 - 6.2.1. Key Market Trends, Growth Factors and Opportunities
 - 6.2.2. Market Size and Forecast, By Region

- 6.2.3. Market Share Analysis, By Country
- 6.3. Dietary Supplement
 - 6.3.1. Key Market Trends, Growth Factors and Opportunities
 - 6.3.2. Market Size and Forecast, By Region
 - 6.3.3. Market Share Analysis, By Country
- 6.4. Feed And Pet Food
 - 6.4.1. Key Market Trends, Growth Factors and Opportunities
 - 6.4.2. Market Size and Forecast, By Region
 - 6.4.3. Market Share Analysis, By Country
- 6.5. Cosmetics And Personal Care
 - 6.5.1. Key Market Trends, Growth Factors and Opportunities
 - 6.5.2. Market Size and Forecast, By Region
 - 6.5.3. Market Share Analysis, By Country
- 6.6. Others
 - 6.6.1. Key Market Trends, Growth Factors and Opportunities
 - 6.6.2. Market Size and Forecast, By Region
 - 6.6.3. Market Share Analysis, By Country

CHAPTER 7: CHICORY MARKET, BY REGION

- 7.1. Market Overview
 - 7.1.1 Market Size and Forecast, By Region
- 7.2. North America
 - 7.2.1. Key Market Trends and Opportunities
 - 7.2.2. Market Size and Forecast, By Product Type
 - 7.2.3. Market Size and Forecast, By Form
 - 7.2.4. Market Size and Forecast, By Application
 - 7.2.5. Market Size and Forecast, By Country
 - 7.2.6. U.S. Chicory Market
 - 7.2.6.1. Market Size and Forecast, By Product Type
 - 7.2.6.2. Market Size and Forecast, By Form
 - 7.2.6.3. Market Size and Forecast, By Application
 - 7.2.7. Canada Chicory Market
 - 7.2.7.1. Market Size and Forecast, By Product Type
 - 7.2.7.2. Market Size and Forecast, By Form
 - 7.2.7.3. Market Size and Forecast, By Application
 - 7.2.8. Mexico Chicory Market
 - 7.2.8.1. Market Size and Forecast, By Product Type
 - 7.2.8.2. Market Size and Forecast, By Form

7.2.8.3. Market Size and Forecast, By Application

7.3. Europe

7.3.1. Key Market Trends and Opportunities

7.3.2. Market Size and Forecast, By Product Type

7.3.3. Market Size and Forecast, By Form

7.3.4. Market Size and Forecast, By Application

7.3.5. Market Size and Forecast, By Country

7.3.6. France Chicory Market

7.3.6.1. Market Size and Forecast, By Product Type

7.3.6.2. Market Size and Forecast, By Form

7.3.6.3. Market Size and Forecast, By Application

7.3.7. Germany Chicory Market

7.3.7.1. Market Size and Forecast, By Product Type

7.3.7.2. Market Size and Forecast, By Form

7.3.7.3. Market Size and Forecast, By Application

7.3.8. Italy Chicory Market

7.3.8.1. Market Size and Forecast, By Product Type

7.3.8.2. Market Size and Forecast, By Form

7.3.8.3. Market Size and Forecast, By Application

7.3.9. Spain Chicory Market

7.3.9.1. Market Size and Forecast, By Product Type

7.3.9.2. Market Size and Forecast, By Form

7.3.9.3. Market Size and Forecast, By Application

7.3.10. UK Chicory Market

7.3.10.1. Market Size and Forecast, By Product Type

7.3.10.2. Market Size and Forecast, By Form

7.3.10.3. Market Size and Forecast, By Application

7.3.11. Russia Chicory Market

7.3.11.1. Market Size and Forecast, By Product Type

7.3.11.2. Market Size and Forecast, By Form

7.3.11.3. Market Size and Forecast, By Application

7.3.12. Rest of Europe Chicory Market

7.3.12.1. Market Size and Forecast, By Product Type

7.3.12.2. Market Size and Forecast, By Form

7.3.12.3. Market Size and Forecast, By Application

7.4. Asia-Pacific

7.4.1. Key Market Trends and Opportunities

7.4.2. Market Size and Forecast, By Product Type

7.4.3. Market Size and Forecast, By Form

- 7.4.4. Market Size and Forecast, By Application
- 7.4.5. Market Size and Forecast, By Country
- 7.4.6. China Chicory Market
 - 7.4.6.1. Market Size and Forecast, By Product Type
 - 7.4.6.2. Market Size and Forecast, By Form
 - 7.4.6.3. Market Size and Forecast, By Application
- 7.4.7. Japan Chicory Market
 - 7.4.7.1. Market Size and Forecast, By Product Type
 - 7.4.7.2. Market Size and Forecast, By Form
 - 7.4.7.3. Market Size and Forecast, By Application
- 7.4.8. India Chicory Market
 - 7.4.8.1. Market Size and Forecast, By Product Type
 - 7.4.8.2. Market Size and Forecast, By Form
 - 7.4.8.3. Market Size and Forecast, By Application
- 7.4.9. South Korea Chicory Market
 - 7.4.9.1. Market Size and Forecast, By Product Type
 - 7.4.9.2. Market Size and Forecast, By Form
 - 7.4.9.3. Market Size and Forecast, By Application
- 7.4.10. Australia Chicory Market
 - 7.4.10.1. Market Size and Forecast, By Product Type
 - 7.4.10.2. Market Size and Forecast, By Form
 - 7.4.10.3. Market Size and Forecast, By Application
- 7.4.11. Thailand Chicory Market
 - 7.4.11.1. Market Size and Forecast, By Product Type
 - 7.4.11.2. Market Size and Forecast, By Form
 - 7.4.11.3. Market Size and Forecast, By Application
- 7.4.12. Malaysia Chicory Market
 - 7.4.12.1. Market Size and Forecast, By Product Type
 - 7.4.12.2. Market Size and Forecast, By Form
 - 7.4.12.3. Market Size and Forecast, By Application
- 7.4.13. Indonesia Chicory Market
 - 7.4.13.1. Market Size and Forecast, By Product Type
 - 7.4.13.2. Market Size and Forecast, By Form
 - 7.4.13.3. Market Size and Forecast, By Application
- 7.4.14. Rest of Asia-Pacific Chicory Market
 - 7.4.14.1. Market Size and Forecast, By Product Type
 - 7.4.14.2. Market Size and Forecast, By Form
 - 7.4.14.3. Market Size and Forecast, By Application
- 7.5. LAMEA

- 7.5.1. Key Market Trends and Opportunities
- 7.5.2. Market Size and Forecast, By Product Type
- 7.5.3. Market Size and Forecast, By Form
- 7.5.4. Market Size and Forecast, By Application
- 7.5.5. Market Size and Forecast, By Country
- 7.5.6. Brazil Chicory Market
 - 7.5.6.1. Market Size and Forecast, By Product Type
 - 7.5.6.2. Market Size and Forecast, By Form
 - 7.5.6.3. Market Size and Forecast, By Application
- 7.5.7. South Africa Chicory Market
 - 7.5.7.1. Market Size and Forecast, By Product Type
 - 7.5.7.2. Market Size and Forecast, By Form
 - 7.5.7.3. Market Size and Forecast, By Application
- 7.5.8. Saudi Arabia Chicory Market
 - 7.5.8.1. Market Size and Forecast, By Product Type
 - 7.5.8.2. Market Size and Forecast, By Form
 - 7.5.8.3. Market Size and Forecast, By Application
- 7.5.9. UAE Chicory Market
 - 7.5.9.1. Market Size and Forecast, By Product Type
 - 7.5.9.2. Market Size and Forecast, By Form
 - 7.5.9.3. Market Size and Forecast, By Application
- 7.5.10. Argentina Chicory Market
 - 7.5.10.1. Market Size and Forecast, By Product Type
 - 7.5.10.2. Market Size and Forecast, By Form
 - 7.5.10.3. Market Size and Forecast, By Application
- 7.5.11. Rest of LAMEA Chicory Market
 - 7.5.11.1. Market Size and Forecast, By Product Type
 - 7.5.11.2. Market Size and Forecast, By Form
 - 7.5.11.3. Market Size and Forecast, By Application

CHAPTER 8: COMPETITIVE LANDSCAPE

- 8.1. Introduction
- 8.2. Top Winning Strategies
- 8.3. Product Mapping of Top 10 Player
- 8.4. Competitive Dashboard
- 8.5. Competitive Heatmap
- 8.6. Top Player Positioning, 2023

CHAPTER 9: COMPANY PROFILES

9.1. Cargill Inc.

- 9.1.1. Company Overview
- 9.1.2. Key Executives
- 9.1.3. Company Snapshot
- 9.1.4. Operating Business Segments
- 9.1.5. Product Portfolio
- 9.1.6. Business Performance
- 9.1.7. Key Strategic Moves and Developments

9.2. Sudzucker AG

- 9.2.1. Company Overview
- 9.2.2. Key Executives
- 9.2.3. Company Snapshot
- 9.2.4. Operating Business Segments
- 9.2.5. Product Portfolio
- 9.2.6. Business Performance
- 9.2.7. Key Strategic Moves and Developments

9.3. Sensus NV

- 9.3.1. Company Overview
- 9.3.2. Key Executives
- 9.3.3. Company Snapshot
- 9.3.4. Operating Business Segments
- 9.3.5. Product Portfolio
- 9.3.6. Business Performance
- 9.3.7. Key Strategic Moves and Developments

9.4. Cosucra Groupe Warcoing SA

- 9.4.1. Company Overview
- 9.4.2. Key Executives
- 9.4.3. Company Snapshot
- 9.4.4. Operating Business Segments
- 9.4.5. Product Portfolio
- 9.4.6. Business Performance
- 9.4.7. Key Strategic Moves and Developments

9.5. The Ingredient House

- 9.5.1. Company Overview
- 9.5.2. Key Executives
- 9.5.3. Company Snapshot
- 9.5.4. Operating Business Segments

- 9.5.5. Product Portfolio
- 9.5.6. Business Performance
- 9.5.7. Key Strategic Moves and Developments
- 9.6. The Tierra Group
 - 9.6.1. Company Overview
 - 9.6.2. Key Executives
 - 9.6.3. Company Snapshot
 - 9.6.4. Operating Business Segments
 - 9.6.5. Product Portfolio
 - 9.6.6. Business Performance
 - 9.6.7. Key Strategic Moves and Developments
- 9.7. Nova Green Inc.
 - 9.7.1. Company Overview
 - 9.7.2. Key Executives
 - 9.7.3. Company Snapshot
 - 9.7.4. Operating Business Segments
 - 9.7.5. Product Portfolio
 - 9.7.6. Business Performance
 - 9.7.7. Key Strategic Moves and Developments
- 9.8. Adept Impex Private Limited
 - 9.8.1. Company Overview
 - 9.8.2. Key Executives
 - 9.8.3. Company Snapshot
 - 9.8.4. Operating Business Segments
 - 9.8.5. Product Portfolio
 - 9.8.6. Business Performance
 - 9.8.7. Key Strategic Moves and Developments
- 9.9. Ciranda Inc
 - 9.9.1. Company Overview
 - 9.9.2. Key Executives
 - 9.9.3. Company Snapshot
 - 9.9.4. Operating Business Segments
 - 9.9.5. Product Portfolio
 - 9.9.6. Business Performance
 - 9.9.7. Key Strategic Moves and Developments
- 9.10. The Green Labs LLC
 - 9.10.1. Company Overview
 - 9.10.2. Key Executives
 - 9.10.3. Company Snapshot

9.10.4. Operating Business Segments

9.10.5. Product Portfolio

9.10.6. Business Performance

9.10.7. Key Strategic Moves and Developments

I would like to order

Product name: Autonomous Driving SoC Market By Level of Autonomy (Level 2, Level 3, Level 4, Level 5) , By Application (Adaptive Cruise Control (ACC) , Lane Keeping Assistance System (LKAS) , Traffic Jam Assist (TJA) , Automated Parking System (APS) , Others) By Vehicle Type (Passenger Vehicles, Commercial Vehicles) : Global Opportunity Analysis and Industry Forecast, 2024-2033

Product link: <https://marketpublishers.com/r/AB44503A43EDEN.html>

Price: US\$ 2,790.00 (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/AB44503A43EDEN.html>