

Global Autonomous Driving Chip Market Growth 2024-2030

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Abstracts

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Autonomous Driving Chip is mainly a computing unit that enables vehicles to achieve autonomous driving and is part of the artificial intelligence (AI) chip. Autonomous Driving Chip started from Computer Vision (CV) and gradually evolved algorithms for the scenes encountered by the car during driving; the algorithms have two schools: top-down and bottom-up.

The global Autonomous Driving Chip market size is projected to grow from US\$ million in 2024 to US\$ million in 2030; it is expected to grow at a CAGR of % from 2024 to 2030.

LP Information, Inc. (LPI) ' newest research report, the "Autonomous Driving Chip Industry Forecast" looks at past sales and reviews total world Autonomous Driving Chip sales in 2023, providing a comprehensive analysis by region and market sector of projected Autonomous Driving Chip sales for 2024 through 2030. With Autonomous Driving Chip sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Autonomous Driving Chip industry.

This Insight Report provides a comprehensive analysis of the global Autonomous Driving Chip landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Autonomous Driving Chip portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position

in an accelerating global Autonomous Driving Chip market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Autonomous Driving Chip and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Autonomous Driving Chip.

Following a strong growth of 26.2 percent in the year 2021, WSTS revised it down to a single digit growth for the worldwide semiconductor market in 2022 with a total size of US\$580 billion, up 4.4 percent. WSTS lowered growth estimation as inflation rises and end markets seeing weaker demand, especially those exposed to consumer spending. While some major categories are still double-digit year-over-year growth in 2022, led by Analog with 20.8 percent, Sensors with 16.3 percent, and Logic with 14.5 percent growth. Memory declined with 12.6 percent year over year. In 2022, all geographical regions showed double-digit growth except Asia Pacific. The largest region, Asia Pacific, declined 2.0 percent. Sales in the Americas were US\$142.1 billion, up 17.0% year-on-year, sales in Europe were US\$53.8 billion, up 12.6% year-on-year, and sales in Japan were US\$48.1 billion, up 10.0% year-on-year. However, sales in the largest Asia-Pacific region were US\$336.2 billion, down 2.0% year-on-year.

This report presents a comprehensive overview, market shares, and growth opportunities of Autonomous Driving Chip market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

GPU

FPGA

ASIC

Others

Segmentation by Application:

Commercial Vehicle

Passenger Car

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

NVIDIA

Qualcomm

Mobileye

Tesla

Huawei

Horizon Robotics

Black Sesame Technologies

SemiDrive

TI

Renesas

Infineon

SiEngine Technology

Key Questions Addressed in this Report

What is the 10-year outlook for the global Autonomous Driving Chip market?

What factors are driving Autonomous Driving Chip market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Autonomous Driving Chip market opportunities vary by end market size?

How does Autonomous Driving Chip break out by Type, by Application?

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

2.1 World Market Overview

- 2.1.1 Global Autonomous Driving Chip Annual Sales 2019-2030

- 2.1.2 World Current & Future Analysis for Autonomous Driving Chip by Geographic Region, 2019, 2023 & 2030

- 2.1.3 World Current & Future Analysis for Autonomous Driving Chip by Country/Region, 2019, 2023 & 2030

2.2 Autonomous Driving Chip Segment by Type

- 2.2.1 GPU

- 2.2.2 FPGA

- 2.2.3 ASIC

- 2.2.4 Others

2.3 Autonomous Driving Chip Sales by Type

- 2.3.1 Global Autonomous Driving Chip Sales Market Share by Type (2019-2024)

- 2.3.2 Global Autonomous Driving Chip Revenue and Market Share by Type (2019-2024)

- 2.3.3 Global Autonomous Driving Chip Sale Price by Type (2019-2024)

2.4 Autonomous Driving Chip Segment by Application

- 2.4.1 Commercial Vehicle

- 2.4.2 Passenger Car

2.5 Autonomous Driving Chip Sales by Application

- 2.5.1 Global Autonomous Driving Chip Sale Market Share by Application (2019-2024)

- 2.5.2 Global Autonomous Driving Chip Revenue and Market Share by Application (2019-2024)

- 2.5.3 Global Autonomous Driving Chip Sale Price by Application (2019-2024)

3 GLOBAL BY COMPANY

3.1 Global Autonomous Driving Chip Breakdown Data by Company

3.1.1 Global Autonomous Driving Chip Annual Sales by Company (2019-2024)

3.1.2 Global Autonomous Driving Chip Sales Market Share by Company (2019-2024)

3.2 Global Autonomous Driving Chip Annual Revenue by Company (2019-2024)

3.2.1 Global Autonomous Driving Chip Revenue by Company (2019-2024)

3.2.2 Global Autonomous Driving Chip Revenue Market Share by Company (2019-2024)

3.3 Global Autonomous Driving Chip Sale Price by Company

3.4 Key Manufacturers Autonomous Driving Chip Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Autonomous Driving Chip Product Location Distribution

3.4.2 Players Autonomous Driving Chip Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2019-2024)

3.6 New Products and Potential Entrants

3.7 Market M&A Activity & Strategy

4 WORLD HISTORIC REVIEW FOR AUTONOMOUS DRIVING CHIP BY GEOGRAPHIC REGION

4.1 World Historic Autonomous Driving Chip Market Size by Geographic Region (2019-2024)

4.1.1 Global Autonomous Driving Chip Annual Sales by Geographic Region (2019-2024)

4.1.2 Global Autonomous Driving Chip Annual Revenue by Geographic Region (2019-2024)

4.2 World Historic Autonomous Driving Chip Market Size by Country/Region (2019-2024)

4.2.1 Global Autonomous Driving Chip Annual Sales by Country/Region (2019-2024)

4.2.2 Global Autonomous Driving Chip Annual Revenue by Country/Region (2019-2024)

4.3 Americas Autonomous Driving Chip Sales Growth

4.4 APAC Autonomous Driving Chip Sales Growth

4.5 Europe Autonomous Driving Chip Sales Growth

4.6 Middle East & Africa Autonomous Driving Chip Sales Growth

5 AMERICAS

5.1 Americas Autonomous Driving Chip Sales by Country

5.1.1 Americas Autonomous Driving Chip Sales by Country (2019-2024)

5.1.2 Americas Autonomous Driving Chip Revenue by Country (2019-2024)

5.2 Americas Autonomous Driving Chip Sales by Type (2019-2024)

5.3 Americas Autonomous Driving Chip Sales by Application (2019-2024)

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC Autonomous Driving Chip Sales by Region

6.1.1 APAC Autonomous Driving Chip Sales by Region (2019-2024)

6.1.2 APAC Autonomous Driving Chip Revenue by Region (2019-2024)

6.2 APAC Autonomous Driving Chip Sales by Type (2019-2024)

6.3 APAC Autonomous Driving Chip Sales by Application (2019-2024)

6.4 China

6.5 Japan

6.6 South Korea

6.7 Southeast Asia

6.8 India

6.9 Australia

6.10 China Taiwan

7 EUROPE

7.1 Europe Autonomous Driving Chip by Country

7.1.1 Europe Autonomous Driving Chip Sales by Country (2019-2024)

7.1.2 Europe Autonomous Driving Chip Revenue by Country (2019-2024)

7.2 Europe Autonomous Driving Chip Sales by Type (2019-2024)

7.3 Europe Autonomous Driving Chip Sales by Application (2019-2024)

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa Autonomous Driving Chip by Country

8.1.1 Middle East & Africa Autonomous Driving Chip Sales by Country (2019-2024)

8.1.2 Middle East & Africa Autonomous Driving Chip Revenue by Country (2019-2024)

8.2 Middle East & Africa Autonomous Driving Chip Sales by Type (2019-2024)

8.3 Middle East & Africa Autonomous Driving Chip Sales by Application (2019-2024)

8.4 Egypt

8.5 South Africa

8.6 Israel

8.7 Turkey

8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

10.1 Raw Material and Suppliers

10.2 Manufacturing Cost Structure Analysis of Autonomous Driving Chip

10.3 Manufacturing Process Analysis of Autonomous Driving Chip

10.4 Industry Chain Structure of Autonomous Driving Chip

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 Autonomous Driving Chip Distributors

11.3 Autonomous Driving Chip Customer

12 WORLD FORECAST REVIEW FOR AUTONOMOUS DRIVING CHIP BY GEOGRAPHIC REGION

- 12.1 Global Autonomous Driving Chip Market Size Forecast by Region
 - 12.1.1 Global Autonomous Driving Chip Forecast by Region (2025-2030)
 - 12.1.2 Global Autonomous Driving Chip Annual Revenue Forecast by Region (2025-2030)
- 12.2 Americas Forecast by Country (2025-2030)
- 12.3 APAC Forecast by Region (2025-2030)
- 12.4 Europe Forecast by Country (2025-2030)
- 12.5 Middle East & Africa Forecast by Country (2025-2030)
- 12.6 Global Autonomous Driving Chip Forecast by Type (2025-2030)
- 12.7 Global Autonomous Driving Chip Forecast by Application (2025-2030)

13 KEY PLAYERS ANALYSIS

13.1 NVIDIA

- 13.1.1 NVIDIA Company Information
- 13.1.2 NVIDIA Autonomous Driving Chip Product Portfolios and Specifications
- 13.1.3 NVIDIA Autonomous Driving Chip Sales, Revenue, Price and Gross Margin (2019-2024)
- 13.1.4 NVIDIA Main Business Overview
- 13.1.5 NVIDIA Latest Developments

13.2 Qualcomm

- 13.2.1 Qualcomm Company Information
- 13.2.2 Qualcomm Autonomous Driving Chip Product Portfolios and Specifications
- 13.2.3 Qualcomm Autonomous Driving Chip Sales, Revenue, Price and Gross Margin (2019-2024)
- 13.2.4 Qualcomm Main Business Overview
- 13.2.5 Qualcomm Latest Developments

13.3 Mobileye

- 13.3.1 Mobileye Company Information
- 13.3.2 Mobileye Autonomous Driving Chip Product Portfolios and Specifications
- 13.3.3 Mobileye Autonomous Driving Chip Sales, Revenue, Price and Gross Margin (2019-2024)
- 13.3.4 Mobileye Main Business Overview
- 13.3.5 Mobileye Latest Developments

13.4 Tesla

- 13.4.1 Tesla Company Information
- 13.4.2 Tesla Autonomous Driving Chip Product Portfolios and Specifications
- 13.4.3 Tesla Autonomous Driving Chip Sales, Revenue, Price and Gross Margin (2019-2024)

- 13.4.4 Tesla Main Business Overview
- 13.4.5 Tesla Latest Developments
- 13.5 Huawei
 - 13.5.1 Huawei Company Information
 - 13.5.2 Huawei Autonomous Driving Chip Product Portfolios and Specifications
 - 13.5.3 Huawei Autonomous Driving Chip Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.5.4 Huawei Main Business Overview
 - 13.5.5 Huawei Latest Developments
- 13.6 Horizon Robotics
 - 13.6.1 Horizon Robotics Company Information
 - 13.6.2 Horizon Robotics Autonomous Driving Chip Product Portfolios and Specifications
 - 13.6.3 Horizon Robotics Autonomous Driving Chip Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.6.4 Horizon Robotics Main Business Overview
 - 13.6.5 Horizon Robotics Latest Developments
- 13.7 Black Sesame Technologies
 - 13.7.1 Black Sesame Technologies Company Information
 - 13.7.2 Black Sesame Technologies Autonomous Driving Chip Product Portfolios and Specifications
 - 13.7.3 Black Sesame Technologies Autonomous Driving Chip Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.7.4 Black Sesame Technologies Main Business Overview
 - 13.7.5 Black Sesame Technologies Latest Developments
- 13.8 SemiDrive
 - 13.8.1 SemiDrive Company Information
 - 13.8.2 SemiDrive Autonomous Driving Chip Product Portfolios and Specifications
 - 13.8.3 SemiDrive Autonomous Driving Chip Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.8.4 SemiDrive Main Business Overview
 - 13.8.5 SemiDrive Latest Developments
- 13.9 TI
 - 13.9.1 TI Company Information
 - 13.9.2 TI Autonomous Driving Chip Product Portfolios and Specifications
 - 13.9.3 TI Autonomous Driving Chip Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.9.4 TI Main Business Overview
 - 13.9.5 TI Latest Developments

13.10 Renesas

13.10.1 Renesas Company Information

13.10.2 Renesas Autonomous Driving Chip Product Portfolios and Specifications

13.10.3 Renesas Autonomous Driving Chip Sales, Revenue, Price and Gross Margin (2019-2024)

13.10.4 Renesas Main Business Overview

13.10.5 Renesas Latest Developments

13.11 Infineon

13.11.1 Infineon Company Information

13.11.2 Infineon Autonomous Driving Chip Product Portfolios and Specifications

13.11.3 Infineon Autonomous Driving Chip Sales, Revenue, Price and Gross Margin (2019-2024)

13.11.4 Infineon Main Business Overview

13.11.5 Infineon Latest Developments

13.12 SiEngine Technology

13.12.1 SiEngine Technology Company Information

13.12.2 SiEngine Technology Autonomous Driving Chip Product Portfolios and Specifications

13.12.3 SiEngine Technology Autonomous Driving Chip Sales, Revenue, Price and Gross Margin (2019-2024)

13.12.4 SiEngine Technology Main Business Overview

13.12.5 SiEngine Technology Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. Autonomous Driving Chip Annual Sales CAGR by Geographic Region (2019, 2023 & 2030) & (\$ millions)

Table 2. Autonomous Driving Chip Annual Sales CAGR by Country/Region (2019, 2023 & 2030) & (\$ millions)

Table 3. Major Players of GPU

Table 4. Major Players of FPGA

Table 5. Major Players of ASIC

Table 6. Major Players of Others

Table 7. Global Autonomous Driving Chip Sales by Type (2019-2024) & (K Units)

Table 8. Global Autonomous Driving Chip Sales Market Share by Type (2019-2024)

Table 9. Global Autonomous Driving Chip Revenue by Type (2019-2024) & (\$ million)

Table 10. Global Autonomous Driving Chip Revenue Market Share by Type (2019-2024)

Table 11. Global Autonomous Driving Chip Sale Price by Type (2019-2024) & (US\$/Unit)

Table 12. Global Autonomous Driving Chip Sale by Application (2019-2024) & (K Units)

Table 13. Global Autonomous Driving Chip Sale Market Share by Application (2019-2024)

Table 14. Global Autonomous Driving Chip Revenue by Application (2019-2024) & (\$ million)

Table 15. Global Autonomous Driving Chip Revenue Market Share by Application (2019-2024)

Table 16. Global Autonomous Driving Chip Sale Price by Application (2019-2024) & (US\$/Unit)

Table 17. Global Autonomous Driving Chip Sales by Company (2019-2024) & (K Units)

Table 18. Global Autonomous Driving Chip Sales Market Share by Company (2019-2024)

Table 19. Global Autonomous Driving Chip Revenue by Company (2019-2024) & (\$ millions)

Table 20. Global Autonomous Driving Chip Revenue Market Share by Company (2019-2024)

Table 21. Global Autonomous Driving Chip Sale Price by Company (2019-2024) & (US\$/Unit)

Table 22. Key Manufacturers Autonomous Driving Chip Producing Area Distribution and Sales Area

Table 23. Players Autonomous Driving Chip Products Offered

Table 24. Autonomous Driving Chip Concentration Ratio (CR3, CR5 and CR10) & (2019-2024)

Table 25. New Products and Potential Entrants

Table 26. Market M&A Activity & Strategy

Table 27. Global Autonomous Driving Chip Sales by Geographic Region (2019-2024) & (K Units)

Table 28. Global Autonomous Driving Chip Sales Market Share Geographic Region (2019-2024)

Table 29. Global Autonomous Driving Chip Revenue by Geographic Region (2019-2024) & (\$ millions)

Table 30. Global Autonomous Driving Chip Revenue Market Share by Geographic Region (2019-2024)

Table 31. Global Autonomous Driving Chip Sales by Country/Region (2019-2024) & (K Units)

Table 32. Global Autonomous Driving Chip Sales Market Share by Country/Region (2019-2024)

Table 33. Global Autonomous Driving Chip Revenue by Country/Region (2019-2024) & (\$ millions)

Table 34. Global Autonomous Driving Chip Revenue Market Share by Country/Region (2019-2024)

Table 35. Americas Autonomous Driving Chip Sales by Country (2019-2024) & (K Units)

Table 36. Americas Autonomous Driving Chip Sales Market Share by Country (2019-2024)

Table 37. Americas Autonomous Driving Chip Revenue by Country (2019-2024) & (\$ millions)

Table 38. Americas Autonomous Driving Chip Sales by Type (2019-2024) & (K Units)

Table 39. Americas Autonomous Driving Chip Sales by Application (2019-2024) & (K Units)

Table 40. APAC Autonomous Driving Chip Sales by Region (2019-2024) & (K Units)

Table 41. APAC Autonomous Driving Chip Sales Market Share by Region (2019-2024)

Table 42. APAC Autonomous Driving Chip Revenue by Region (2019-2024) & (\$ millions)

Table 43. APAC Autonomous Driving Chip Sales by Type (2019-2024) & (K Units)

Table 44. APAC Autonomous Driving Chip Sales by Application (2019-2024) & (K Units)

Table 45. Europe Autonomous Driving Chip Sales by Country (2019-2024) & (K Units)

Table 46. Europe Autonomous Driving Chip Revenue by Country (2019-2024) & (\$ millions)

Table 47. Europe Autonomous Driving Chip Sales by Type (2019-2024) & (K Units)

Table 48. Europe Autonomous Driving Chip Sales by Application (2019-2024) & (K Units)

Table 49. Middle East & Africa Autonomous Driving Chip Sales by Country (2019-2024) & (K Units)

Table 50. Middle East & Africa Autonomous Driving Chip Revenue Market Share by Country (2019-2024)

Table 51. Middle East & Africa Autonomous Driving Chip Sales by Type (2019-2024) & (K Units)

Table 52. Middle East & Africa Autonomous Driving Chip Sales by Application (2019-2024) & (K Units)

Table 53. Key Market Drivers & Growth Opportunities of Autonomous Driving Chip

Table 54. Key Market Challenges & Risks of Autonomous Driving Chip

Table 55. Key Industry Trends of Autonomous Driving Chip

Table 56. Autonomous Driving Chip Raw Material

Table 57. Key Suppliers of Raw Materials

Table 58. Autonomous Driving Chip Distributors List

Table 59. Autonomous Driving Chip Customer List

Table 60. Global Autonomous Driving Chip Sales Forecast by Region (2025-2030) & (K Units)

Table 61. Global Autonomous Driving Chip Revenue Forecast by Region (2025-2030) & (\$ millions)

Table 62. Americas Autonomous Driving Chip Sales Forecast by Country (2025-2030) & (K Units)

Table 63. Americas Autonomous Driving Chip Annual Revenue Forecast by Country (2025-2030) & (\$ millions)

Table 64. APAC Autonomous Driving Chip Sales Forecast by Region (2025-2030) & (K Units)

Table 65. APAC Autonomous Driving Chip Annual Revenue Forecast by Region (2025-2030) & (\$ millions)

Table 66. Europe Autonomous Driving Chip Sales Forecast by Country (2025-2030) & (K Units)

Table 67. Europe Autonomous Driving Chip Revenue Forecast by Country (2025-2030) & (\$ millions)

Table 68. Middle East & Africa Autonomous Driving Chip Sales Forecast by Country (2025-2030) & (K Units)

Table 69. Middle East & Africa Autonomous Driving Chip Revenue Forecast by Country (2025-2030) & (\$ millions)

Table 70. Global Autonomous Driving Chip Sales Forecast by Type (2025-2030) & (K Units)

Table 71. Global Autonomous Driving Chip Revenue Forecast by Type (2025-2030) & (\$ millions)

Table 72. Global Autonomous Driving Chip Sales Forecast by Application (2025-2030) & (K Units)

Table 73. Global Autonomous Driving Chip Revenue Forecast by Application (2025-2030) & (\$ millions)

Table 74. NVIDIA Basic Information, Autonomous Driving Chip Manufacturing Base, Sales Area and Its Competitors

Table 75. NVIDIA Autonomous Driving Chip Product Portfolios and Specifications

Table 76. NVIDIA Autonomous Driving Chip Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 77. NVIDIA Main Business

Table 78. NVIDIA Latest Developments

Table 79. Qualcomm Basic Information, Autonomous Driving Chip Manufacturing Base, Sales Area and Its Competitors

Table 80. Qualcomm Autonomous Driving Chip Product Portfolios and Specifications

Table 81. Qualcomm Autonomous Driving Chip Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 82. Qualcomm Main Business

Table 83. Qualcomm Latest Developments

Table 84. Mobileye Basic Information, Autonomous Driving Chip Manufacturing Base, Sales Area and Its Competitors

Table 85. Mobileye Autonomous Driving Chip Product Portfolios and Specifications

Table 86. Mobileye Autonomous Driving Chip Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 87. Mobileye Main Business

Table 88. Mobileye Latest Developments

Table 89. Tesla Basic Information, Autonomous Driving Chip Manufacturing Base, Sales Area and Its Competitors

Table 90. Tesla Autonomous Driving Chip Product Portfolios and Specifications

Table 91. Tesla Autonomous Driving Chip Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 92. Tesla Main Business

Table 93. Tesla Latest Developments

Table 94. Huawei Basic Information, Autonomous Driving Chip Manufacturing Base, Sales Area and Its Competitors

Table 95. Huawei Autonomous Driving Chip Product Portfolios and Specifications

Table 96. Huawei Autonomous Driving Chip Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 97. Huawei Main Business

Table 98. Huawei Latest Developments

Table 99. Horizon Robotics Basic Information, Autonomous Driving Chip Manufacturing Base, Sales Area and Its Competitors

Table 100. Horizon Robotics Autonomous Driving Chip Product Portfolios and Specifications

Table 101. Horizon Robotics Autonomous Driving Chip Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 102. Horizon Robotics Main Business

Table 103. Horizon Robotics Latest Developments

Table 104. Black Sesame Technologies Basic Information, Autonomous Driving Chip Manufacturing Base, Sales Area and Its Competitors

Table 105. Black Sesame Technologies Autonomous Driving Chip Product Portfolios and Specifications

Table 106. Black Sesame Technologies Autonomous Driving Chip Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 107. Black Sesame Technologies Main Business

Table 108. Black Sesame Technologies Latest Developments

Table 109. SemiDrive Basic Information, Autonomous Driving Chip Manufacturing Base, Sales Area and Its Competitors

Table 110. SemiDrive Autonomous Driving Chip Product Portfolios and Specifications

Table 111. SemiDrive Autonomous Driving Chip Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 112. SemiDrive Main Business

Table 113. SemiDrive Latest Developments

Table 114. TI Basic Information, Autonomous Driving Chip Manufacturing Base, Sales Area and Its Competitors

Table 115. TI Autonomous Driving Chip Product Portfolios and Specifications

Table 116. TI Autonomous Driving Chip Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 117. TI Main Business

Table 118. TI Latest Developments

Table 119. Renesas Basic Information, Autonomous Driving Chip Manufacturing Base, Sales Area and Its Competitors

Table 120. Renesas Autonomous Driving Chip Product Portfolios and Specifications

Table 121. Renesas Autonomous Driving Chip Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 122. Renesas Main Business

Table 123. Renesas Latest Developments

Table 124. Infineon Basic Information, Autonomous Driving Chip Manufacturing Base, Sales Area and Its Competitors

Table 125. Infineon Autonomous Driving Chip Product Portfolios and Specifications

Table 126. Infineon Autonomous Driving Chip Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 127. Infineon Main Business

Table 128. Infineon Latest Developments

Table 129. SiEngine Technology Basic Information, Autonomous Driving Chip Manufacturing Base, Sales Area and Its Competitors

Table 130. SiEngine Technology Autonomous Driving Chip Product Portfolios and Specifications

Table 131. SiEngine Technology Autonomous Driving Chip Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 132. SiEngine Technology Main Business

Table 133. SiEngine Technology Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of Autonomous Driving Chip
- Figure 2. Autonomous Driving Chip Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Autonomous Driving Chip Sales Growth Rate 2019-2030 (K Units)
- Figure 7. Global Autonomous Driving Chip Revenue Growth Rate 2019-2030 (\$ millions)
- Figure 8. Autonomous Driving Chip Sales by Geographic Region (2019, 2023 & 2030) & (\$ millions)
- Figure 9. Autonomous Driving Chip Sales Market Share by Country/Region (2023)
- Figure 10. Autonomous Driving Chip Sales Market Share by Country/Region (2019, 2023 & 2030)
- Figure 11. Product Picture of GPU
- Figure 12. Product Picture of FPGA
- Figure 13. Product Picture of ASIC
- Figure 14. Product Picture of Others
- Figure 15. Global Autonomous Driving Chip Sales Market Share by Type in 2023
- Figure 16. Global Autonomous Driving Chip Revenue Market Share by Type (2019-2024)
- Figure 17. Autonomous Driving Chip Consumed in Commercial Vehicle
- Figure 18. Global Autonomous Driving Chip Market: Commercial Vehicle (2019-2024) & (K Units)
- Figure 19. Autonomous Driving Chip Consumed in Passenger Car
- Figure 20. Global Autonomous Driving Chip Market: Passenger Car (2019-2024) & (K Units)
- Figure 21. Global Autonomous Driving Chip Sale Market Share by Application (2023)
- Figure 22. Global Autonomous Driving Chip Revenue Market Share by Application in 2023
- Figure 23. Autonomous Driving Chip Sales by Company in 2023 (K Units)
- Figure 24. Global Autonomous Driving Chip Sales Market Share by Company in 2023
- Figure 25. Autonomous Driving Chip Revenue by Company in 2023 (\$ millions)
- Figure 26. Global Autonomous Driving Chip Revenue Market Share by Company in 2023
- Figure 27. Global Autonomous Driving Chip Sales Market Share by Geographic Region

(2019-2024)

Figure 28. Global Autonomous Driving Chip Revenue Market Share by Geographic Region in 2023

Figure 29. Americas Autonomous Driving Chip Sales 2019-2024 (K Units)

Figure 30. Americas Autonomous Driving Chip Revenue 2019-2024 (\$ millions)

Figure 31. APAC Autonomous Driving Chip Sales 2019-2024 (K Units)

Figure 32. APAC Autonomous Driving Chip Revenue 2019-2024 (\$ millions)

Figure 33. Europe Autonomous Driving Chip Sales 2019-2024 (K Units)

Figure 34. Europe Autonomous Driving Chip Revenue 2019-2024 (\$ millions)

Figure 35. Middle East & Africa Autonomous Driving Chip Sales 2019-2024 (K Units)

Figure 36. Middle East & Africa Autonomous Driving Chip Revenue 2019-2024 (\$ millions)

Figure 37. Americas Autonomous Driving Chip Sales Market Share by Country in 2023

Figure 38. Americas Autonomous Driving Chip Revenue Market Share by Country (2019-2024)

Figure 39. Americas Autonomous Driving Chip Sales Market Share by Type (2019-2024)

Figure 40. Americas Autonomous Driving Chip Sales Market Share by Application (2019-2024)

Figure 41. United States Autonomous Driving Chip Revenue Growth 2019-2024 (\$ millions)

Figure 42. Canada Autonomous Driving Chip Revenue Growth 2019-2024 (\$ millions)

Figure 43. Mexico Autonomous Driving Chip Revenue Growth 2019-2024 (\$ millions)

Figure 44. Brazil Autonomous Driving Chip Revenue Growth 2019-2024 (\$ millions)

Figure 45. APAC Autonomous Driving Chip Sales Market Share by Region in 2023

Figure 46. APAC Autonomous Driving Chip Revenue Market Share by Region (2019-2024)

Figure 47. APAC Autonomous Driving Chip Sales Market Share by Type (2019-2024)

Figure 48. APAC Autonomous Driving Chip Sales Market Share by Application (2019-2024)

Figure 49. China Autonomous Driving Chip Revenue Growth 2019-2024 (\$ millions)

Figure 50. Japan Autonomous Driving Chip Revenue Growth 2019-2024 (\$ millions)

Figure 51. South Korea Autonomous Driving Chip Revenue Growth 2019-2024 (\$ millions)

Figure 52. Southeast Asia Autonomous Driving Chip Revenue Growth 2019-2024 (\$ millions)

Figure 53. India Autonomous Driving Chip Revenue Growth 2019-2024 (\$ millions)

Figure 54. Australia Autonomous Driving Chip Revenue Growth 2019-2024 (\$ millions)

Figure 55. China Taiwan Autonomous Driving Chip Revenue Growth 2019-2024 (\$

millions)

Figure 56. Europe Autonomous Driving Chip Sales Market Share by Country in 2023

Figure 57. Europe Autonomous Driving Chip Revenue Market Share by Country (2019-2024)

Figure 58. Europe Autonomous Driving Chip Sales Market Share by Type (2019-2024)

Figure 59. Europe Autonomous Driving Chip Sales Market Share by Application (2019-2024)

Figure 60. Germany Autonomous Driving Chip Revenue Growth 2019-2024 (\$ millions)

Figure 61. France Autonomous Driving Chip Revenue Growth 2019-2024 (\$ millions)

Figure 62. UK Autonomous Driving Chip Revenue Growth 2019-2024 (\$ millions)

Figure 63. Italy Autonomous Driving Chip Revenue Growth 2019-2024 (\$ millions)

Figure 64. Russia Autonomous Driving Chip Revenue Growth 2019-2024 (\$ millions)

Figure 65. Middle East & Africa Autonomous Driving Chip Sales Market Share by Country (2019-2024)

Figure 66. Middle East & Africa Autonomous Driving Chip Sales Market Share by Type (2019-2024)

Figure 67. Middle East & Africa Autonomous Driving Chip Sales Market Share by Application (2019-2024)

Figure 68. Egypt Autonomous Driving Chip Revenue Growth 2019-2024 (\$ millions)

Figure 69. South Africa Autonomous Driving Chip Revenue Growth 2019-2024 (\$ millions)

Figure 70. Israel Autonomous Driving Chip Revenue Growth 2019-2024 (\$ millions)

Figure 71. Turkey Autonomous Driving Chip Revenue Growth 2019-2024 (\$ millions)

Figure 72. GCC Countries Autonomous Driving Chip Revenue Growth 2019-2024 (\$ millions)

Figure 73. Manufacturing Cost Structure Analysis of Autonomous Driving Chip in 2023

Figure 74. Manufacturing Process Analysis of Autonomous Driving Chip

Figure 75. Industry Chain Structure of Autonomous Driving Chip

Figure 76. Channels of Distribution

Figure 77. Global Autonomous Driving Chip Sales Market Forecast by Region (2025-2030)

Figure 78. Global Autonomous Driving Chip Revenue Market Share Forecast by Region (2025-2030)

Figure 79. Global Autonomous Driving Chip Sales Market Share Forecast by Type (2025-2030)

Figure 80. Global Autonomous Driving Chip Revenue Market Share Forecast by Type (2025-2030)

Figure 81. Global Autonomous Driving Chip Sales Market Share Forecast by Application (2025-2030)

Figure 82. Global Autonomous Driving Chip Revenue Market Share Forecast by Application (2025-2030)

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