

# Global Edge AI Box Supply, Demand and Key Producers, 2023-2029

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## Abstracts

The global Edge AI Box market size is expected to reach \$ 1381.3 million by 2029, rising at a market growth of 7.6% CAGR during the forecast period (2023-2029).

The Edge AI Box market is experiencing significant growth and is expected to continue expanding in the coming years. The market is primarily driven by the increasing demand for real-time data processing and analysis at the edge of the network, as well as the growing adoption of AI-powered applications in various industries. The market for Edge AI Boxes is witnessing strong growth across various regions. North America is currently the largest market, driven by the presence of major tech companies and the early adoption of AI technologies. Europe is also a significant market, with countries like Germany, France, and the UK leading the adoption of edge AI solutions. The Asia-Pacific region is expected to witness the highest growth rate, primarily due to the rapid digital transformation and increasing investments in AI technologies in countries like China, Japan, and South Korea. The Edge AI Box market is highly competitive, with several key players dominating the market. These companies have a strong presence in the AI industry and offer a wide range of edge AI solutions. However, there are also several smaller players and startups that are entering the market, offering specialized edge AI Box solutions for specific industries or use cases. The Edge AI Box market presents several opportunities for growth. The increasing demand for real-time data processing and analysis at the edge of the network is driving the adoption of edge AI solutions. Industries such as healthcare, manufacturing, retail, transportation, and smart cities are actively exploring the use of edge AI to improve operational efficiency, enhance customer experience, and enable new services. Additionally, the rise of 5G networks and the Internet of Things (IoT) is expected to further fuel the demand for edge AI solutions. Despite the growth opportunities, the Edge AI Box market also faces certain challenges. One of the key challenges is the complexity of deploying and

managing edge AI solutions. Edge AI Boxes require integration with existing infrastructure, data management, and security considerations, which can be challenging for organizations. Additionally, there are concerns around data privacy and security, as edge AI involves processing sensitive data at the edge of the network. Ensuring data protection and compliance with regulations is crucial for the widespread adoption of edge AI solutions. Overall, the Edge AI Box market is poised for significant growth, driven by the increasing demand for real-time data processing and analysis at the edge of the network. While major players dominate the market, there are also opportunities for smaller players and startups to offer specialized edge AI solutions. However, challenges related to deployment complexity and data privacy need to be addressed for the market to reach its full potential.

This report studies the global Edge AI Box production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Edge AI Box, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Edge AI Box that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Edge AI Box total production and demand, 2018-2029, (K Units)

Global Edge AI Box total production value, 2018-2029, (USD Million)

Global Edge AI Box production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Edge AI Box consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: Edge AI Box domestic production, consumption, key domestic manufacturers and share

Global Edge AI Box production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global Edge AI Box production by Type, production, value, CAGR, 2018-2029, (USD

Million) & (K Units)

Global Edge AI Box production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units).

This reports profiles key players in the global Edge AI Box market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Qualcomm, Hailo, Intel, Advantech, Thundercomm, Milesight, Inventec, AAEON and 3DiVi, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Edge AI Box market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Edge AI Box Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

### Global Edge AI Box Market, Segmentation by Type

GPU-based Edge AI Box

FPGA-based Edge AI Box

ASIC-based Edge AI Box

CPU-based Edge AI Box

Other

### Global Edge AI Box Market, Segmentation by Application

Industrial Automation

Smart Cities

Retail

Autonomous Vehicles

Agriculture

Transportation and Logistics

Security and Surveillance

Other

### Companies Profiled:

Qualcomm

Hailo

Intel

Advantech

Thundercomm

Milesight

Inventec

AAEON

3DiVi

Edgematrix

ThunderSoft

JWIPC

Xy-idrive

VVDN

VIVOTEK

SEFORM ELECTRONICS

Econe

LiteMax

Axiomtek

## Key Questions Answered

1. How big is the global Edge AI Box market?
2. What is the demand of the global Edge AI Box market?
3. What is the year over year growth of the global Edge AI Box market?
4. What is the production and production value of the global Edge AI Box market?
5. Who are the key producers in the global Edge AI Box market?

## Contents

### 1 SUPPLY SUMMARY

- 1.1 Edge AI Box Introduction
- 1.2 World Edge AI Box Supply & Forecast
  - 1.2.1 World Edge AI Box Production Value (2018 & 2022 & 2029)
  - 1.2.2 World Edge AI Box Production (2018-2029)
  - 1.2.3 World Edge AI Box Pricing Trends (2018-2029)
- 1.3 World Edge AI Box Production by Region (Based on Production Site)
  - 1.3.1 World Edge AI Box Production Value by Region (2018-2029)
  - 1.3.2 World Edge AI Box Production by Region (2018-2029)
  - 1.3.3 World Edge AI Box Average Price by Region (2018-2029)
  - 1.3.4 North America Edge AI Box Production (2018-2029)
  - 1.3.5 Europe Edge AI Box Production (2018-2029)
  - 1.3.6 China Edge AI Box Production (2018-2029)
  - 1.3.7 Japan Edge AI Box Production (2018-2029)
- 1.4 Market Drivers, Restraints and Trends
  - 1.4.1 Edge AI Box Market Drivers
  - 1.4.2 Factors Affecting Demand
  - 1.4.3 Edge AI Box Major Market Trends

### 2 DEMAND SUMMARY

- 2.1 World Edge AI Box Demand (2018-2029)
- 2.2 World Edge AI Box Consumption by Region
  - 2.2.1 World Edge AI Box Consumption by Region (2018-2023)
  - 2.2.2 World Edge AI Box Consumption Forecast by Region (2024-2029)
- 2.3 United States Edge AI Box Consumption (2018-2029)
- 2.4 China Edge AI Box Consumption (2018-2029)
- 2.5 Europe Edge AI Box Consumption (2018-2029)
- 2.6 Japan Edge AI Box Consumption (2018-2029)
- 2.7 South Korea Edge AI Box Consumption (2018-2029)
- 2.8 ASEAN Edge AI Box Consumption (2018-2029)
- 2.9 India Edge AI Box Consumption (2018-2029)

### 3 WORLD EDGE AI BOX MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World Edge AI Box Production Value by Manufacturer (2018-2023)

- 3.2 World Edge AI Box Production by Manufacturer (2018-2023)
- 3.3 World Edge AI Box Average Price by Manufacturer (2018-2023)
- 3.4 Edge AI Box Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
  - 3.5.1 Global Edge AI Box Industry Rank of Major Manufacturers
  - 3.5.2 Global Concentration Ratios (CR4) for Edge AI Box in 2022
  - 3.5.3 Global Concentration Ratios (CR8) for Edge AI Box in 2022
- 3.6 Edge AI Box Market: Overall Company Footprint Analysis
  - 3.6.1 Edge AI Box Market: Region Footprint
  - 3.6.2 Edge AI Box Market: Company Product Type Footprint
  - 3.6.3 Edge AI Box Market: Company Product Application Footprint
- 3.7 Competitive Environment
  - 3.7.1 Historical Structure of the Industry
  - 3.7.2 Barriers of Market Entry
  - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

## **4 UNITED STATES VS CHINA VS REST OF THE WORLD**

- 4.1 United States VS China: Edge AI Box Production Value Comparison
  - 4.1.1 United States VS China: Edge AI Box Production Value Comparison (2018 & 2022 & 2029)
  - 4.1.2 United States VS China: Edge AI Box Production Value Market Share Comparison (2018 & 2022 & 2029)
- 4.2 United States VS China: Edge AI Box Production Comparison
  - 4.2.1 United States VS China: Edge AI Box Production Comparison (2018 & 2022 & 2029)
  - 4.2.2 United States VS China: Edge AI Box Production Market Share Comparison (2018 & 2022 & 2029)
- 4.3 United States VS China: Edge AI Box Consumption Comparison
  - 4.3.1 United States VS China: Edge AI Box Consumption Comparison (2018 & 2022 & 2029)
  - 4.3.2 United States VS China: Edge AI Box Consumption Market Share Comparison (2018 & 2022 & 2029)
- 4.4 United States Based Edge AI Box Manufacturers and Market Share, 2018-2023
  - 4.4.1 United States Based Edge AI Box Manufacturers, Headquarters and Production Site (States, Country)
  - 4.4.2 United States Based Manufacturers Edge AI Box Production Value (2018-2023)



- 4.4.3 United States Based Manufacturers Edge AI Box Production (2018-2023)
- 4.5 China Based Edge AI Box Manufacturers and Market Share
  - 4.5.1 China Based Edge AI Box Manufacturers, Headquarters and Production Site (Province, Country)
  - 4.5.2 China Based Manufacturers Edge AI Box Production Value (2018-2023)
  - 4.5.3 China Based Manufacturers Edge AI Box Production (2018-2023)
- 4.6 Rest of World Based Edge AI Box Manufacturers and Market Share, 2018-2023
  - 4.6.1 Rest of World Based Edge AI Box Manufacturers, Headquarters and Production Site (State, Country)
  - 4.6.2 Rest of World Based Manufacturers Edge AI Box Production Value (2018-2023)
  - 4.6.3 Rest of World Based Manufacturers Edge AI Box Production (2018-2023)

## **5 MARKET ANALYSIS BY TYPE**

- 5.1 World Edge AI Box Market Size Overview by Type: 2018 VS 2022 VS 2029
- 5.2 Segment Introduction by Type
  - 5.2.1 GPU-based Edge AI Box
  - 5.2.2 FPGA-based Edge AI Box
  - 5.2.3 ASIC-based Edge AI Box
  - 5.2.4 CPU-based Edge AI Box
  - 5.2.5 Other
- 5.3 Market Segment by Type
  - 5.3.1 World Edge AI Box Production by Type (2018-2029)
  - 5.3.2 World Edge AI Box Production Value by Type (2018-2029)
  - 5.3.3 World Edge AI Box Average Price by Type (2018-2029)

## **6 MARKET ANALYSIS BY APPLICATION**

- 6.1 World Edge AI Box Market Size Overview by Application: 2018 VS 2022 VS 2029
- 6.2 Segment Introduction by Application
  - 6.2.1 Industrial Automation
  - 6.2.2 Smart Cities
  - 6.2.3 Retail
  - 6.2.4 Autonomous Vehicles
  - 6.2.5 Agriculture
  - 6.2.6 Transportation and Logistics
  - 6.2.7 Security and Surveillance
  - 6.2.8 Other
- 6.3 Market Segment by Application

- 6.3.1 World Edge AI Box Production by Application (2018-2029)
- 6.3.2 World Edge AI Box Production Value by Application (2018-2029)
- 6.3.3 World Edge AI Box Average Price by Application (2018-2029)

## **7 COMPANY PROFILES**

### 7.1 Qualcomm

- 7.1.1 Qualcomm Details
- 7.1.2 Qualcomm Major Business
- 7.1.3 Qualcomm Edge AI Box Product and Services
- 7.1.4 Qualcomm Edge AI Box Production, Price, Value, Gross Margin and Market Share (2018-2023)
- 7.1.5 Qualcomm Recent Developments/Updates
- 7.1.6 Qualcomm Competitive Strengths & Weaknesses

### 7.2 Hailo

- 7.2.1 Hailo Details
- 7.2.2 Hailo Major Business
- 7.2.3 Hailo Edge AI Box Product and Services
- 7.2.4 Hailo Edge AI Box Production, Price, Value, Gross Margin and Market Share (2018-2023)
- 7.2.5 Hailo Recent Developments/Updates
- 7.2.6 Hailo Competitive Strengths & Weaknesses

### 7.3 Intel

- 7.3.1 Intel Details
- 7.3.2 Intel Major Business
- 7.3.3 Intel Edge AI Box Product and Services
- 7.3.4 Intel Edge AI Box Production, Price, Value, Gross Margin and Market Share (2018-2023)
- 7.3.5 Intel Recent Developments/Updates
- 7.3.6 Intel Competitive Strengths & Weaknesses

### 7.4 Advantech

- 7.4.1 Advantech Details
- 7.4.2 Advantech Major Business
- 7.4.3 Advantech Edge AI Box Product and Services
- 7.4.4 Advantech Edge AI Box Production, Price, Value, Gross Margin and Market Share (2018-2023)
- 7.4.5 Advantech Recent Developments/Updates
- 7.4.6 Advantech Competitive Strengths & Weaknesses

### 7.5 Thundercomm

- 7.5.1 Thundercomm Details
- 7.5.2 Thundercomm Major Business
- 7.5.3 Thundercomm Edge AI Box Product and Services
- 7.5.4 Thundercomm Edge AI Box Production, Price, Value, Gross Margin and Market Share (2018-2023)
- 7.5.5 Thundercomm Recent Developments/Updates
- 7.5.6 Thundercomm Competitive Strengths & Weaknesses
- 7.6 Milesight
  - 7.6.1 Milesight Details
  - 7.6.2 Milesight Major Business
  - 7.6.3 Milesight Edge AI Box Product and Services
  - 7.6.4 Milesight Edge AI Box Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.6.5 Milesight Recent Developments/Updates
  - 7.6.6 Milesight Competitive Strengths & Weaknesses
- 7.7 Inventec
  - 7.7.1 Inventec Details
  - 7.7.2 Inventec Major Business
  - 7.7.3 Inventec Edge AI Box Product and Services
  - 7.7.4 Inventec Edge AI Box Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.7.5 Inventec Recent Developments/Updates
  - 7.7.6 Inventec Competitive Strengths & Weaknesses
- 7.8 AAEON
  - 7.8.1 AAEON Details
  - 7.8.2 AAEON Major Business
  - 7.8.3 AAEON Edge AI Box Product and Services
  - 7.8.4 AAEON Edge AI Box Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.8.5 AAEON Recent Developments/Updates
  - 7.8.6 AAEON Competitive Strengths & Weaknesses
- 7.9 3DiVi
  - 7.9.1 3DiVi Details
  - 7.9.2 3DiVi Major Business
  - 7.9.3 3DiVi Edge AI Box Product and Services
  - 7.9.4 3DiVi Edge AI Box Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.9.5 3DiVi Recent Developments/Updates
  - 7.9.6 3DiVi Competitive Strengths & Weaknesses

## 7.10 Edgematrix

7.10.1 Edgematrix Details

7.10.2 Edgematrix Major Business

7.10.3 Edgematrix Edge AI Box Product and Services

7.10.4 Edgematrix Edge AI Box Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.10.5 Edgematrix Recent Developments/Updates

7.10.6 Edgematrix Competitive Strengths & Weaknesses

## 7.11 ThunderSoft

7.11.1 ThunderSoft Details

7.11.2 ThunderSoft Major Business

7.11.3 ThunderSoft Edge AI Box Product and Services

7.11.4 ThunderSoft Edge AI Box Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.11.5 ThunderSoft Recent Developments/Updates

7.11.6 ThunderSoft Competitive Strengths & Weaknesses

## 7.12 JWIPC

7.12.1 JWIPC Details

7.12.2 JWIPC Major Business

7.12.3 JWIPC Edge AI Box Product and Services

7.12.4 JWIPC Edge AI Box Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.12.5 JWIPC Recent Developments/Updates

7.12.6 JWIPC Competitive Strengths & Weaknesses

## 7.13 Xy-idrive

7.13.1 Xy-idrive Details

7.13.2 Xy-idrive Major Business

7.13.3 Xy-idrive Edge AI Box Product and Services

7.13.4 Xy-idrive Edge AI Box Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.13.5 Xy-idrive Recent Developments/Updates

7.13.6 Xy-idrive Competitive Strengths & Weaknesses

## 7.14 VVDN

7.14.1 VVDN Details

7.14.2 VVDN Major Business

7.14.3 VVDN Edge AI Box Product and Services

7.14.4 VVDN Edge AI Box Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.14.5 VVDN Recent Developments/Updates

- 7.14.6 VVDN Competitive Strengths & Weaknesses
- 7.15 VIVOTEK
  - 7.15.1 VIVOTEK Details
  - 7.15.2 VIVOTEK Major Business
  - 7.15.3 VIVOTEK Edge AI Box Product and Services
  - 7.15.4 VIVOTEK Edge AI Box Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.15.5 VIVOTEK Recent Developments/Updates
  - 7.15.6 VIVOTEK Competitive Strengths & Weaknesses
- 7.16 SEFORM ELECTRONICS
  - 7.16.1 SEFORM ELECTRONICS Details
  - 7.16.2 SEFORM ELECTRONICS Major Business
  - 7.16.3 SEFORM ELECTRONICS Edge AI Box Product and Services
  - 7.16.4 SEFORM ELECTRONICS Edge AI Box Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.16.5 SEFORM ELECTRONICS Recent Developments/Updates
  - 7.16.6 SEFORM ELECTRONICS Competitive Strengths & Weaknesses
- 7.17 Econe
  - 7.17.1 Econe Details
  - 7.17.2 Econe Major Business
  - 7.17.3 Econe Edge AI Box Product and Services
  - 7.17.4 Econe Edge AI Box Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.17.5 Econe Recent Developments/Updates
  - 7.17.6 Econe Competitive Strengths & Weaknesses
- 7.18 Litemax
  - 7.18.1 Litemax Details
  - 7.18.2 Litemax Major Business
  - 7.18.3 Litemax Edge AI Box Product and Services
  - 7.18.4 Litemax Edge AI Box Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.18.5 Litemax Recent Developments/Updates
  - 7.18.6 Litemax Competitive Strengths & Weaknesses
- 7.19 Axiomtek
  - 7.19.1 Axiomtek Details
  - 7.19.2 Axiomtek Major Business
  - 7.19.3 Axiomtek Edge AI Box Product and Services
  - 7.19.4 Axiomtek Edge AI Box Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.19.5 Axiomtek Recent Developments/Updates

7.19.6 Axiomtek Competitive Strengths & Weaknesses

## **8 INDUSTRY CHAIN ANALYSIS**

8.1 Edge AI Box Industry Chain

8.2 Edge AI Box Upstream Analysis

8.2.1 Edge AI Box Core Raw Materials

8.2.2 Main Manufacturers of Edge AI Box Core Raw Materials

8.3 Midstream Analysis

8.4 Downstream Analysis

8.5 Edge AI Box Production Mode

8.6 Edge AI Box Procurement Model

8.7 Edge AI Box Industry Sales Model and Sales Channels

8.7.1 Edge AI Box Sales Model

8.7.2 Edge AI Box Typical Customers

## **9 RESEARCH FINDINGS AND CONCLUSION**

## **10 APPENDIX**

10.1 Methodology

10.2 Research Process and Data Source

10.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. World Edge AI Box Production Value by Region (2018, 2022 and 2029) & (USD Million)

Table 2. World Edge AI Box Production Value by Region (2018-2023) & (USD Million)

Table 3. World Edge AI Box Production Value by Region (2024-2029) & (USD Million)

Table 4. World Edge AI Box Production Value Market Share by Region (2018-2023)

Table 5. World Edge AI Box Production Value Market Share by Region (2024-2029)

Table 6. World Edge AI Box Production by Region (2018-2023) & (K Units)

Table 7. World Edge AI Box Production by Region (2024-2029) & (K Units)

Table 8. World Edge AI Box Production Market Share by Region (2018-2023)

Table 9. World Edge AI Box Production Market Share by Region (2024-2029)

Table 10. World Edge AI Box Average Price by Region (2018-2023) & (US\$/Unit)

Table 11. World Edge AI Box Average Price by Region (2024-2029) & (US\$/Unit)

Table 12. Edge AI Box Major Market Trends

Table 13. World Edge AI Box Consumption Growth Rate Forecast by Region (2018 & 2022 & 2029) & (K Units)

Table 14. World Edge AI Box Consumption by Region (2018-2023) & (K Units)

Table 15. World Edge AI Box Consumption Forecast by Region (2024-2029) & (K Units)

Table 16. World Edge AI Box Production Value by Manufacturer (2018-2023) & (USD Million)

Table 17. Production Value Market Share of Key Edge AI Box Producers in 2022

Table 18. World Edge AI Box Production by Manufacturer (2018-2023) & (K Units)

Table 19. Production Market Share of Key Edge AI Box Producers in 2022

Table 20. World Edge AI Box Average Price by Manufacturer (2018-2023) & (US\$/Unit)

Table 21. Global Edge AI Box Company Evaluation Quadrant

Table 22. World Edge AI Box Industry Rank of Major Manufacturers, Based on Production Value in 2022

Table 23. Head Office and Edge AI Box Production Site of Key Manufacturer

Table 24. Edge AI Box Market: Company Product Type Footprint

Table 25. Edge AI Box Market: Company Product Application Footprint

Table 26. Edge AI Box Competitive Factors

Table 27. Edge AI Box New Entrant and Capacity Expansion Plans

Table 28. Edge AI Box Mergers & Acquisitions Activity

Table 29. United States VS China Edge AI Box Production Value Comparison, (2018 & 2022 & 2029) & (USD Million)

Table 30. United States VS China Edge AI Box Production Comparison, (2018 & 2022

& 2029) & (K Units)

Table 31. United States VS China Edge AI Box Consumption Comparison, (2018 & 2022 & 2029) & (K Units)

Table 32. United States Based Edge AI Box Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Edge AI Box Production Value, (2018-2023) & (USD Million)

Table 34. United States Based Manufacturers Edge AI Box Production Value Market Share (2018-2023)

Table 35. United States Based Manufacturers Edge AI Box Production (2018-2023) & (K Units)

Table 36. United States Based Manufacturers Edge AI Box Production Market Share (2018-2023)

Table 37. China Based Edge AI Box Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Edge AI Box Production Value, (2018-2023) & (USD Million)

Table 39. China Based Manufacturers Edge AI Box Production Value Market Share (2018-2023)

Table 40. China Based Manufacturers Edge AI Box Production (2018-2023) & (K Units)

Table 41. China Based Manufacturers Edge AI Box Production Market Share (2018-2023)

Table 42. Rest of World Based Edge AI Box Manufacturers, Headquarters and Production Site (States, Country)

Table 43. Rest of World Based Manufacturers Edge AI Box Production Value, (2018-2023) & (USD Million)

Table 44. Rest of World Based Manufacturers Edge AI Box Production Value Market Share (2018-2023)

Table 45. Rest of World Based Manufacturers Edge AI Box Production (2018-2023) & (K Units)

Table 46. Rest of World Based Manufacturers Edge AI Box Production Market Share (2018-2023)

Table 47. World Edge AI Box Production Value by Type, (USD Million), 2018 & 2022 & 2029

Table 48. World Edge AI Box Production by Type (2018-2023) & (K Units)

Table 49. World Edge AI Box Production by Type (2024-2029) & (K Units)

Table 50. World Edge AI Box Production Value by Type (2018-2023) & (USD Million)

Table 51. World Edge AI Box Production Value by Type (2024-2029) & (USD Million)

Table 52. World Edge AI Box Average Price by Type (2018-2023) & (US\$/Unit)



- Table 53. World Edge AI Box Average Price by Type (2024-2029) & (US\$/Unit)
- Table 54. World Edge AI Box Production Value by Application, (USD Million), 2018 & 2022 & 2029
- Table 55. World Edge AI Box Production by Application (2018-2023) & (K Units)
- Table 56. World Edge AI Box Production by Application (2024-2029) & (K Units)
- Table 57. World Edge AI Box Production Value by Application (2018-2023) & (USD Million)
- Table 58. World Edge AI Box Production Value by Application (2024-2029) & (USD Million)
- Table 59. World Edge AI Box Average Price by Application (2018-2023) & (US\$/Unit)
- Table 60. World Edge AI Box Average Price by Application (2024-2029) & (US\$/Unit)
- Table 61. Qualcomm Basic Information, Manufacturing Base and Competitors
- Table 62. Qualcomm Major Business
- Table 63. Qualcomm Edge AI Box Product and Services
- Table 64. Qualcomm Edge AI Box Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 65. Qualcomm Recent Developments/Updates
- Table 66. Qualcomm Competitive Strengths & Weaknesses
- Table 67. Hailo Basic Information, Manufacturing Base and Competitors
- Table 68. Hailo Major Business
- Table 69. Hailo Edge AI Box Product and Services
- Table 70. Hailo Edge AI Box Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 71. Hailo Recent Developments/Updates
- Table 72. Hailo Competitive Strengths & Weaknesses
- Table 73. Intel Basic Information, Manufacturing Base and Competitors
- Table 74. Intel Major Business
- Table 75. Intel Edge AI Box Product and Services
- Table 76. Intel Edge AI Box Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 77. Intel Recent Developments/Updates
- Table 78. Intel Competitive Strengths & Weaknesses
- Table 79. Advantech Basic Information, Manufacturing Base and Competitors
- Table 80. Advantech Major Business
- Table 81. Advantech Edge AI Box Product and Services
- Table 82. Advantech Edge AI Box Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 83. Advantech Recent Developments/Updates
- Table 84. Advantech Competitive Strengths & Weaknesses

Table 85. Thundercomm Basic Information, Manufacturing Base and Competitors

Table 86. Thundercomm Major Business

Table 87. Thundercomm Edge AI Box Product and Services

Table 88. Thundercomm Edge AI Box Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 89. Thundercomm Recent Developments/Updates

Table 90. Thundercomm Competitive Strengths & Weaknesses

Table 91. Milesight Basic Information, Manufacturing Base and Competitors

Table 92. Milesight Major Business

Table 93. Milesight Edge AI Box Product and Services

Table 94. Milesight Edge AI Box Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 95. Milesight Recent Developments/Updates

Table 96. Milesight Competitive Strengths & Weaknesses

Table 97. Inventec Basic Information, Manufacturing Base and Competitors

Table 98. Inventec Major Business

Table 99. Inventec Edge AI Box Product and Services

Table 100. Inventec Edge AI Box Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 101. Inventec Recent Developments/Updates

Table 102. Inventec Competitive Strengths & Weaknesses

Table 103. AAEON Basic Information, Manufacturing Base and Competitors

Table 104. AAEON Major Business

Table 105. AAEON Edge AI Box Product and Services

Table 106. AAEON Edge AI Box Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 107. AAEON Recent Developments/Updates

Table 108. AAEON Competitive Strengths & Weaknesses

Table 109. 3DiVi Basic Information, Manufacturing Base and Competitors

Table 110. 3DiVi Major Business

Table 111. 3DiVi Edge AI Box Product and Services

Table 112. 3DiVi Edge AI Box Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 113. 3DiVi Recent Developments/Updates

Table 114. 3DiVi Competitive Strengths & Weaknesses

Table 115. Edgematrix Basic Information, Manufacturing Base and Competitors

Table 116. Edgematrix Major Business

Table 117. Edgematrix Edge AI Box Product and Services

Table 118. Edgematrix Edge AI Box Production (K Units), Price (US\$/Unit), Production

Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 119. Edgematrix Recent Developments/Updates

Table 120. Edgematrix Competitive Strengths & Weaknesses

Table 121. ThunderSoft Basic Information, Manufacturing Base and Competitors

Table 122. ThunderSoft Major Business

Table 123. ThunderSoft Edge AI Box Product and Services

Table 124. ThunderSoft Edge AI Box Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 125. ThunderSoft Recent Developments/Updates

Table 126. ThunderSoft Competitive Strengths & Weaknesses

Table 127. JWIPC Basic Information, Manufacturing Base and Competitors

Table 128. JWIPC Major Business

Table 129. JWIPC Edge AI Box Product and Services

Table 130. JWIPC Edge AI Box Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 131. JWIPC Recent Developments/Updates

Table 132. JWIPC Competitive Strengths & Weaknesses

Table 133. Xy-idrive Basic Information, Manufacturing Base and Competitors

Table 134. Xy-idrive Major Business

Table 135. Xy-idrive Edge AI Box Product and Services

Table 136. Xy-idrive Edge AI Box Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 137. Xy-idrive Recent Developments/Updates

Table 138. Xy-idrive Competitive Strengths & Weaknesses

Table 139. VVDN Basic Information, Manufacturing Base and Competitors

Table 140. VVDN Major Business

Table 141. VVDN Edge AI Box Product and Services

Table 142. VVDN Edge AI Box Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 143. VVDN Recent Developments/Updates

Table 144. VVDN Competitive Strengths & Weaknesses

Table 145. VIVOTEK Basic Information, Manufacturing Base and Competitors

Table 146. VIVOTEK Major Business

Table 147. VIVOTEK Edge AI Box Product and Services

Table 148. VIVOTEK Edge AI Box Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 149. VIVOTEK Recent Developments/Updates

Table 150. VIVOTEK Competitive Strengths & Weaknesses

Table 151. SEFORM ELECTRONICS Basic Information, Manufacturing Base and

## Competitors

- Table 152. SEFORM ELECTRONICS Major Business
- Table 153. SEFORM ELECTRONICS Edge AI Box Product and Services
- Table 154. SEFORM ELECTRONICS Edge AI Box Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 155. SEFORM ELECTRONICS Recent Developments/Updates
- Table 156. SEFORM ELECTRONICS Competitive Strengths & Weaknesses
- Table 157. Econe Basic Information, Manufacturing Base and Competitors
- Table 158. Econe Major Business
- Table 159. Econe Edge AI Box Product and Services
- Table 160. Econe Edge AI Box Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 161. Econe Recent Developments/Updates
- Table 162. Econe Competitive Strengths & Weaknesses
- Table 163. Litemax Basic Information, Manufacturing Base and Competitors
- Table 164. Litemax Major Business
- Table 165. Litemax Edge AI Box Product and Services
- Table 166. Litemax Edge AI Box Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 167. Litemax Recent Developments/Updates
- Table 168. Axiomtek Basic Information, Manufacturing Base and Competitors
- Table 169. Axiomtek Major Business
- Table 170. Axiomtek Edge AI Box Product and Services
- Table 171. Axiomtek Edge AI Box Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 172. Global Key Players of Edge AI Box Upstream (Raw Materials)
- Table 173. Edge AI Box Typical Customers
- Table 174. Edge AI Box Typical Distributors

## LIST OF FIGURE

- Figure 1. Edge AI Box Picture
- Figure 2. World Edge AI Box Production Value: 2018 & 2022 & 2029, (USD Million)
- Figure 3. World Edge AI Box Production Value and Forecast (2018-2029) & (USD Million)
- Figure 4. World Edge AI Box Production (2018-2029) & (K Units)
- Figure 5. World Edge AI Box Average Price (2018-2029) & (US\$/Unit)
- Figure 6. World Edge AI Box Production Value Market Share by Region (2018-2029)

- Figure 7. World Edge AI Box Production Market Share by Region (2018-2029)
- Figure 8. North America Edge AI Box Production (2018-2029) & (K Units)
- Figure 9. Europe Edge AI Box Production (2018-2029) & (K Units)
- Figure 10. China Edge AI Box Production (2018-2029) & (K Units)
- Figure 11. Japan Edge AI Box Production (2018-2029) & (K Units)
- Figure 12. Edge AI Box Market Drivers
- Figure 13. Factors Affecting Demand
- Figure 14. World Edge AI Box Consumption (2018-2029) & (K Units)
- Figure 15. World Edge AI Box Consumption Market Share by Region (2018-2029)
- Figure 16. United States Edge AI Box Consumption (2018-2029) & (K Units)
- Figure 17. China Edge AI Box Consumption (2018-2029) & (K Units)
- Figure 18. Europe Edge AI Box Consumption (2018-2029) & (K Units)
- Figure 19. Japan Edge AI Box Consumption (2018-2029) & (K Units)
- Figure 20. South Korea Edge AI Box Consumption (2018-2029) & (K Units)
- Figure 21. ASEAN Edge AI Box Consumption (2018-2029) & (K Units)
- Figure 22. India Edge AI Box Consumption (2018-2029) & (K Units)
- Figure 23. Producer Shipments of Edge AI Box by Manufacturer Revenue (\$MM) and Market Share (%): 2022
- Figure 24. Global Four-firm Concentration Ratios (CR4) for Edge AI Box Markets in 2022
- Figure 25. Global Four-firm Concentration Ratios (CR8) for Edge AI Box Markets in 2022
- Figure 26. United States VS China: Edge AI Box Production Value Market Share Comparison (2018 & 2022 & 2029)
- Figure 27. United States VS China: Edge AI Box Production Market Share Comparison (2018 & 2022 & 2029)
- Figure 28. United States VS China: Edge AI Box Consumption Market Share Comparison (2018 & 2022 & 2029)
- Figure 29. United States Based Manufacturers Edge AI Box Production Market Share 2022
- Figure 30. China Based Manufacturers Edge AI Box Production Market Share 2022
- Figure 31. Rest of World Based Manufacturers Edge AI Box Production Market Share 2022
- Figure 32. World Edge AI Box Production Value by Type, (USD Million), 2018 & 2022 & 2029
- Figure 33. World Edge AI Box Production Value Market Share by Type in 2022
- Figure 34. GPU-based Edge AI Box
- Figure 35. FPGA-based Edge AI Box
- Figure 36. ASIC-based Edge AI Box

Figure 37. CPU-based Edge AI Box

Figure 38. Other

Figure 39. World Edge AI Box Production Market Share by Type (2018-2029)

Figure 40. World Edge AI Box Production Value Market Share by Type (2018-2029)

Figure 41. World Edge AI Box Average Price by Type (2018-2029) & (US\$/Unit)

Figure 42. World Edge AI Box Production Value by Application, (USD Million), 2018 & 2022 & 2029

Figure 43. World Edge AI Box Production Value Market Share by Application in 2022

Figure 44. Industrial Automation

Figure 45. Smart Cities

Figure 46. Retail

Figure 47. Autonomous Vehicles

Figure 48. Agriculture

Figure 49. Transportation and Logistics

Figure 50. Security and Surveillance

Figure 51. Other

Figure 52. World Edge AI Box Production Market Share by Application (2018-2029)

Figure 53. World Edge AI Box Production Value Market Share by Application (2018-2029)

Figure 54. World Edge AI Box Average Price by Application (2018-2029) & (US\$/Unit)

Figure 55. Edge AI Box Industry Chain

Figure 56. Edge AI Box Procurement Model

Figure 57. Edge AI Box Sales Model

Figure 58. Edge AI Box Sales Channels, Direct Sales, and Distribution

Figure 59. Methodology

Figure 60. Research Process and Data Source

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