

Global Self-learning Chip Supply, Demand and Key Producers, 2023-2029

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Abstracts

The global Self-learning Chip market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

Many companies and research institutes work on developing chips specifically designed to accelerate machine learning tasks to improve efficiency and performance. Chips for neural network applications are also evolving. The design of these chips is inspired by the neuronal networks of the human brain and aims to enable more efficient neural network computation. With the growth of the Internet of Things (IoT), there is an increased demand for chips that can perform intelligent processing on edge devices. These chips are capable of performing a number of intelligent tasks locally on the device, reducing the dependence on cloud services. Some chip designs are geared towards enabling adaptive learning that can automatically adjust and optimize to changes in the environment and tasks. This is different from traditional fixed-function chips, which are more adaptive to dynamic environments. Quantum computing is a cutting-edge technology in computing, and although it is still in the research phase, its development has received widespread attention.

Self-learning Chip refers to learning like the human brain. This means it is designed to learn from its environment. The chip can be used in a range of AI-intensive applications, but the company says it will be particularly influential in industrial automation and personal robotics.

This report studies the global Self-learning Chip production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Self-

learning Chip, 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 Self-learning Chip that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Self-learning Chip total production and demand, 2018-2029, (K Units)

Global Self-learning Chip total production value, 2018-2029, (USD Million)

Global Self-learning Chip production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Self-learning Chip consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: Self-learning Chip domestic production, consumption, key domestic manufacturers and share

Global Self-learning Chip production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global Self-learning Chip production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Self-learning Chip production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units).

This reports profiles key players in the global Self-learning Chip 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 Intel, Google, Samsung Electronics, IBM, Huawei Technologies, Amazon Web Services (AWS), Micron Technology, Qualcomm Technologies and Nvidia, 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 Self-learning Chip 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 Self-learning Chip Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Self-learning Chip Market, Segmentation by Type

GPU

TPU

NPU

ASIC

Other

Global Self-learning Chip Market, Segmentation by Application

Industrials

Military

Public Safety

Medical

Others

Companies Profiled:

Intel

Google

Samsung Electronics

IBM

Huawei Technologies

Amazon Web Services (AWS)

Micron Technology

Qualcomm Technologies

Nvidia

Xilinx

Mellanox Technologies

Fujitsu

Wave Computing

Advanced Micro Devices

Imec

General Vision

Graphcore

Adapteva

Koniku

Tenstorrent

SambaNova Systems

Cerebras Systems

Groq

Mythic

Key Questions Answered

1. How big is the global Self-learning Chip market?
2. What is the demand of the global Self-learning Chip market?
3. What is the year over year growth of the global Self-learning Chip market?
4. What is the production and production value of the global Self-learning Chip market?

5. Who are the key producers in the global Self-learning Chip market?

Contents

1 SUPPLY SUMMARY

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

2 DEMAND SUMMARY

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

3 WORLD SELF-LEARNING CHIP MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World Self-learning Chip Production Value by Manufacturer (2018-2023)
- 3.2 World Self-learning Chip Production by Manufacturer (2018-2023)
- 3.3 World Self-learning Chip Average Price by Manufacturer (2018-2023)
- 3.4 Self-learning Chip Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
 - 3.5.1 Global Self-learning Chip Industry Rank of Major Manufacturers
 - 3.5.2 Global Concentration Ratios (CR4) for Self-learning Chip in 2022
 - 3.5.3 Global Concentration Ratios (CR8) for Self-learning Chip in 2022
- 3.6 Self-learning Chip Market: Overall Company Footprint Analysis
 - 3.6.1 Self-learning Chip Market: Region Footprint
 - 3.6.2 Self-learning Chip Market: Company Product Type Footprint
 - 3.6.3 Self-learning Chip 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: Self-learning Chip Production Value Comparison
 - 4.1.1 United States VS China: Self-learning Chip Production Value Comparison (2018 & 2022 & 2029)
 - 4.1.2 United States VS China: Self-learning Chip Production Value Market Share Comparison (2018 & 2022 & 2029)
- 4.2 United States VS China: Self-learning Chip Production Comparison
 - 4.2.1 United States VS China: Self-learning Chip Production Comparison (2018 & 2022 & 2029)
 - 4.2.2 United States VS China: Self-learning Chip Production Market Share Comparison (2018 & 2022 & 2029)
- 4.3 United States VS China: Self-learning Chip Consumption Comparison
 - 4.3.1 United States VS China: Self-learning Chip Consumption Comparison (2018 & 2022 & 2029)
 - 4.3.2 United States VS China: Self-learning Chip Consumption Market Share Comparison (2018 & 2022 & 2029)
- 4.4 United States Based Self-learning Chip Manufacturers and Market Share, 2018-2023
 - 4.4.1 United States Based Self-learning Chip Manufacturers, Headquarters and

Production Site (States, Country)

4.4.2 United States Based Manufacturers Self-learning Chip Production Value (2018-2023)

4.4.3 United States Based Manufacturers Self-learning Chip Production (2018-2023)

4.5 China Based Self-learning Chip Manufacturers and Market Share

4.5.1 China Based Self-learning Chip Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Self-learning Chip Production Value (2018-2023)

4.5.3 China Based Manufacturers Self-learning Chip Production (2018-2023)

4.6 Rest of World Based Self-learning Chip Manufacturers and Market Share, 2018-2023

4.6.1 Rest of World Based Self-learning Chip Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Self-learning Chip Production Value (2018-2023)

4.6.3 Rest of World Based Manufacturers Self-learning Chip Production (2018-2023)

5 MARKET ANALYSIS BY TYPE

5.1 World Self-learning Chip Market Size Overview by Type: 2018 VS 2022 VS 2029

5.2 Segment Introduction by Type

5.2.1 GPU

5.2.2 TPU

5.2.3 NPU

5.2.4 ASIC

5.2.5 Other

5.3 Market Segment by Type

5.3.1 World Self-learning Chip Production by Type (2018-2029)

5.3.2 World Self-learning Chip Production Value by Type (2018-2029)

5.3.3 World Self-learning Chip Average Price by Type (2018-2029)

6 MARKET ANALYSIS BY APPLICATION

6.1 World Self-learning Chip Market Size Overview by Application: 2018 VS 2022 VS 2029

6.2 Segment Introduction by Application

6.2.1 Industrials

6.2.2 Military

6.2.3 Public Safety

6.2.4 Medical

6.2.5 Others

6.3 Market Segment by Application

6.3.1 World Self-learning Chip Production by Application (2018-2029)

6.3.2 World Self-learning Chip Production Value by Application (2018-2029)

6.3.3 World Self-learning Chip Average Price by Application (2018-2029)

7 COMPANY PROFILES

7.1 Intel

7.1.1 Intel Details

7.1.2 Intel Major Business

7.1.3 Intel Self-learning Chip Product and Services

7.1.4 Intel Self-learning Chip Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.1.5 Intel Recent Developments/Updates

7.1.6 Intel Competitive Strengths & Weaknesses

7.2 Google

7.2.1 Google Details

7.2.2 Google Major Business

7.2.3 Google Self-learning Chip Product and Services

7.2.4 Google Self-learning Chip Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.2.5 Google Recent Developments/Updates

7.2.6 Google Competitive Strengths & Weaknesses

7.3 Samsung Electronics

7.3.1 Samsung Electronics Details

7.3.2 Samsung Electronics Major Business

7.3.3 Samsung Electronics Self-learning Chip Product and Services

7.3.4 Samsung Electronics Self-learning Chip Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.3.5 Samsung Electronics Recent Developments/Updates

7.3.6 Samsung Electronics Competitive Strengths & Weaknesses

7.4 IBM

7.4.1 IBM Details

7.4.2 IBM Major Business

7.4.3 IBM Self-learning Chip Product and Services

7.4.4 IBM Self-learning Chip Production, Price, Value, Gross Margin and Market Share (2018-2023)

- 7.4.5 IBM Recent Developments/Updates
- 7.4.6 IBM Competitive Strengths & Weaknesses
- 7.5 Huawei Technologies
 - 7.5.1 Huawei Technologies Details
 - 7.5.2 Huawei Technologies Major Business
 - 7.5.3 Huawei Technologies Self-learning Chip Product and Services
 - 7.5.4 Huawei Technologies Self-learning Chip Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.5.5 Huawei Technologies Recent Developments/Updates
 - 7.5.6 Huawei Technologies Competitive Strengths & Weaknesses
- 7.6 Amazon Web Services (AWS)
 - 7.6.1 Amazon Web Services (AWS) Details
 - 7.6.2 Amazon Web Services (AWS) Major Business
 - 7.6.3 Amazon Web Services (AWS) Self-learning Chip Product and Services
 - 7.6.4 Amazon Web Services (AWS) Self-learning Chip Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.6.5 Amazon Web Services (AWS) Recent Developments/Updates
 - 7.6.6 Amazon Web Services (AWS) Competitive Strengths & Weaknesses
- 7.7 Micron Technology
 - 7.7.1 Micron Technology Details
 - 7.7.2 Micron Technology Major Business
 - 7.7.3 Micron Technology Self-learning Chip Product and Services
 - 7.7.4 Micron Technology Self-learning Chip Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.7.5 Micron Technology Recent Developments/Updates
 - 7.7.6 Micron Technology Competitive Strengths & Weaknesses
- 7.8 Qualcomm Technologies
 - 7.8.1 Qualcomm Technologies Details
 - 7.8.2 Qualcomm Technologies Major Business
 - 7.8.3 Qualcomm Technologies Self-learning Chip Product and Services
 - 7.8.4 Qualcomm Technologies Self-learning Chip Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.8.5 Qualcomm Technologies Recent Developments/Updates
 - 7.8.6 Qualcomm Technologies Competitive Strengths & Weaknesses
- 7.9 Nvidia
 - 7.9.1 Nvidia Details
 - 7.9.2 Nvidia Major Business
 - 7.9.3 Nvidia Self-learning Chip Product and Services
 - 7.9.4 Nvidia Self-learning Chip Production, Price, Value, Gross Margin and Market

Share (2018-2023)

7.9.5 Nvidia Recent Developments/Updates

7.9.6 Nvidia Competitive Strengths & Weaknesses

7.10 Xilinx

7.10.1 Xilinx Details

7.10.2 Xilinx Major Business

7.10.3 Xilinx Self-learning Chip Product and Services

7.10.4 Xilinx Self-learning Chip Production, Price, Value, Gross Margin and Market

Share (2018-2023)

7.10.5 Xilinx Recent Developments/Updates

7.10.6 Xilinx Competitive Strengths & Weaknesses

7.11 Mellanox Technologies

7.11.1 Mellanox Technologies Details

7.11.2 Mellanox Technologies Major Business

7.11.3 Mellanox Technologies Self-learning Chip Product and Services

7.11.4 Mellanox Technologies Self-learning Chip Production, Price, Value, Gross

Margin and Market Share (2018-2023)

7.11.5 Mellanox Technologies Recent Developments/Updates

7.11.6 Mellanox Technologies Competitive Strengths & Weaknesses

7.12 Fujitsu

7.12.1 Fujitsu Details

7.12.2 Fujitsu Major Business

7.12.3 Fujitsu Self-learning Chip Product and Services

7.12.4 Fujitsu Self-learning Chip Production, Price, Value, Gross Margin and Market

Share (2018-2023)

7.12.5 Fujitsu Recent Developments/Updates

7.12.6 Fujitsu Competitive Strengths & Weaknesses

7.13 Wave Computing

7.13.1 Wave Computing Details

7.13.2 Wave Computing Major Business

7.13.3 Wave Computing Self-learning Chip Product and Services

7.13.4 Wave Computing Self-learning Chip Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.13.5 Wave Computing Recent Developments/Updates

7.13.6 Wave Computing Competitive Strengths & Weaknesses

7.14 Advanced Micro Devices

7.14.1 Advanced Micro Devices Details

7.14.2 Advanced Micro Devices Major Business

7.14.3 Advanced Micro Devices Self-learning Chip Product and Services

7.14.4 Advanced Micro Devices Self-learning Chip Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.14.5 Advanced Micro Devices Recent Developments/Updates

7.14.6 Advanced Micro Devices Competitive Strengths & Weaknesses

7.15 Imec

7.15.1 Imec Details

7.15.2 Imec Major Business

7.15.3 Imec Self-learning Chip Product and Services

7.15.4 Imec Self-learning Chip Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.15.5 Imec Recent Developments/Updates

7.15.6 Imec Competitive Strengths & Weaknesses

7.16 General Vision

7.16.1 General Vision Details

7.16.2 General Vision Major Business

7.16.3 General Vision Self-learning Chip Product and Services

7.16.4 General Vision Self-learning Chip Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.16.5 General Vision Recent Developments/Updates

7.16.6 General Vision Competitive Strengths & Weaknesses

7.17 Graphcore

7.17.1 Graphcore Details

7.17.2 Graphcore Major Business

7.17.3 Graphcore Self-learning Chip Product and Services

7.17.4 Graphcore Self-learning Chip Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.17.5 Graphcore Recent Developments/Updates

7.17.6 Graphcore Competitive Strengths & Weaknesses

7.18 Adapteva

7.18.1 Adapteva Details

7.18.2 Adapteva Major Business

7.18.3 Adapteva Self-learning Chip Product and Services

7.18.4 Adapteva Self-learning Chip Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.18.5 Adapteva Recent Developments/Updates

7.18.6 Adapteva Competitive Strengths & Weaknesses

7.19 Koniku

7.19.1 Koniku Details

7.19.2 Koniku Major Business

- 7.19.3 Koniku Self-learning Chip Product and Services
- 7.19.4 Koniku Self-learning Chip Production, Price, Value, Gross Margin and Market Share (2018-2023)
- 7.19.5 Koniku Recent Developments/Updates
- 7.19.6 Koniku Competitive Strengths & Weaknesses
- 7.20 Tenstorrent
 - 7.20.1 Tenstorrent Details
 - 7.20.2 Tenstorrent Major Business
 - 7.20.3 Tenstorrent Self-learning Chip Product and Services
 - 7.20.4 Tenstorrent Self-learning Chip Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.20.5 Tenstorrent Recent Developments/Updates
 - 7.20.6 Tenstorrent Competitive Strengths & Weaknesses
- 7.21 SambaNova Systems
 - 7.21.1 SambaNova Systems Details
 - 7.21.2 SambaNova Systems Major Business
 - 7.21.3 SambaNova Systems Self-learning Chip Product and Services
 - 7.21.4 SambaNova Systems Self-learning Chip Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.21.5 SambaNova Systems Recent Developments/Updates
 - 7.21.6 SambaNova Systems Competitive Strengths & Weaknesses
- 7.22 Cerebras Systems
 - 7.22.1 Cerebras Systems Details
 - 7.22.2 Cerebras Systems Major Business
 - 7.22.3 Cerebras Systems Self-learning Chip Product and Services
 - 7.22.4 Cerebras Systems Self-learning Chip Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.22.5 Cerebras Systems Recent Developments/Updates
 - 7.22.6 Cerebras Systems Competitive Strengths & Weaknesses
- 7.23 Groq
 - 7.23.1 Groq Details
 - 7.23.2 Groq Major Business
 - 7.23.3 Groq Self-learning Chip Product and Services
 - 7.23.4 Groq Self-learning Chip Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.23.5 Groq Recent Developments/Updates
 - 7.23.6 Groq Competitive Strengths & Weaknesses
- 7.24 Mythic
 - 7.24.1 Mythic Details

- 7.24.2 Mythic Major Business
- 7.24.3 Mythic Self-learning Chip Product and Services
- 7.24.4 Mythic Self-learning Chip Production, Price, Value, Gross Margin and Market Share (2018-2023)
- 7.24.5 Mythic Recent Developments/Updates
- 7.24.6 Mythic Competitive Strengths & Weaknesses

8 INDUSTRY CHAIN ANALYSIS

- 8.1 Self-learning Chip Industry Chain
- 8.2 Self-learning Chip Upstream Analysis
 - 8.2.1 Self-learning Chip Core Raw Materials
 - 8.2.2 Main Manufacturers of Self-learning Chip Core Raw Materials
- 8.3 Midstream Analysis
- 8.4 Downstream Analysis
- 8.5 Self-learning Chip Production Mode
- 8.6 Self-learning Chip Procurement Model
- 8.7 Self-learning Chip Industry Sales Model and Sales Channels
 - 8.7.1 Self-learning Chip Sales Model
 - 8.7.2 Self-learning Chip 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 Self-learning Chip Production Value by Region (2018, 2022 and 2029) & (USD Million)

Table 2. World Self-learning Chip Production Value by Region (2018-2023) & (USD Million)

Table 3. World Self-learning Chip Production Value by Region (2024-2029) & (USD Million)

Table 4. World Self-learning Chip Production Value Market Share by Region (2018-2023)

Table 5. World Self-learning Chip Production Value Market Share by Region (2024-2029)

Table 6. World Self-learning Chip Production by Region (2018-2023) & (K Units)

Table 7. World Self-learning Chip Production by Region (2024-2029) & (K Units)

Table 8. World Self-learning Chip Production Market Share by Region (2018-2023)

Table 9. World Self-learning Chip Production Market Share by Region (2024-2029)

Table 10. World Self-learning Chip Average Price by Region (2018-2023) & (US\$/Unit)

Table 11. World Self-learning Chip Average Price by Region (2024-2029) & (US\$/Unit)

Table 12. Self-learning Chip Major Market Trends

Table 13. World Self-learning Chip Consumption Growth Rate Forecast by Region (2018 & 2022 & 2029) & (K Units)

Table 14. World Self-learning Chip Consumption by Region (2018-2023) & (K Units)

Table 15. World Self-learning Chip Consumption Forecast by Region (2024-2029) & (K Units)

Table 16. World Self-learning Chip Production Value by Manufacturer (2018-2023) & (USD Million)

Table 17. Production Value Market Share of Key Self-learning Chip Producers in 2022

Table 18. World Self-learning Chip Production by Manufacturer (2018-2023) & (K Units)

Table 19. Production Market Share of Key Self-learning Chip Producers in 2022

Table 20. World Self-learning Chip Average Price by Manufacturer (2018-2023) & (US\$/Unit)

Table 21. Global Self-learning Chip Company Evaluation Quadrant

Table 22. World Self-learning Chip Industry Rank of Major Manufacturers, Based on Production Value in 2022

Table 23. Head Office and Self-learning Chip Production Site of Key Manufacturer

Table 24. Self-learning Chip Market: Company Product Type Footprint

Table 25. Self-learning Chip Market: Company Product Application Footprint

- Table 26. Self-learning Chip Competitive Factors
- Table 27. Self-learning Chip New Entrant and Capacity Expansion Plans
- Table 28. Self-learning Chip Mergers & Acquisitions Activity
- Table 29. United States VS China Self-learning Chip Production Value Comparison, (2018 & 2022 & 2029) & (USD Million)
- Table 30. United States VS China Self-learning Chip Production Comparison, (2018 & 2022 & 2029) & (K Units)
- Table 31. United States VS China Self-learning Chip Consumption Comparison, (2018 & 2022 & 2029) & (K Units)
- Table 32. United States Based Self-learning Chip Manufacturers, Headquarters and Production Site (States, Country)
- Table 33. United States Based Manufacturers Self-learning Chip Production Value, (2018-2023) & (USD Million)
- Table 34. United States Based Manufacturers Self-learning Chip Production Value Market Share (2018-2023)
- Table 35. United States Based Manufacturers Self-learning Chip Production (2018-2023) & (K Units)
- Table 36. United States Based Manufacturers Self-learning Chip Production Market Share (2018-2023)
- Table 37. China Based Self-learning Chip Manufacturers, Headquarters and Production Site (Province, Country)
- Table 38. China Based Manufacturers Self-learning Chip Production Value, (2018-2023) & (USD Million)
- Table 39. China Based Manufacturers Self-learning Chip Production Value Market Share (2018-2023)
- Table 40. China Based Manufacturers Self-learning Chip Production (2018-2023) & (K Units)
- Table 41. China Based Manufacturers Self-learning Chip Production Market Share (2018-2023)
- Table 42. Rest of World Based Self-learning Chip Manufacturers, Headquarters and Production Site (States, Country)
- Table 43. Rest of World Based Manufacturers Self-learning Chip Production Value, (2018-2023) & (USD Million)
- Table 44. Rest of World Based Manufacturers Self-learning Chip Production Value Market Share (2018-2023)
- Table 45. Rest of World Based Manufacturers Self-learning Chip Production (2018-2023) & (K Units)
- Table 46. Rest of World Based Manufacturers Self-learning Chip Production Market Share (2018-2023)

Table 47. World Self-learning Chip Production Value by Type, (USD Million), 2018 & 2022 & 2029

Table 48. World Self-learning Chip Production by Type (2018-2023) & (K Units)

Table 49. World Self-learning Chip Production by Type (2024-2029) & (K Units)

Table 50. World Self-learning Chip Production Value by Type (2018-2023) & (USD Million)

Table 51. World Self-learning Chip Production Value by Type (2024-2029) & (USD Million)

Table 52. World Self-learning Chip Average Price by Type (2018-2023) & (US\$/Unit)

Table 53. World Self-learning Chip Average Price by Type (2024-2029) & (US\$/Unit)

Table 54. World Self-learning Chip Production Value by Application, (USD Million), 2018 & 2022 & 2029

Table 55. World Self-learning Chip Production by Application (2018-2023) & (K Units)

Table 56. World Self-learning Chip Production by Application (2024-2029) & (K Units)

Table 57. World Self-learning Chip Production Value by Application (2018-2023) & (USD Million)

Table 58. World Self-learning Chip Production Value by Application (2024-2029) & (USD Million)

Table 59. World Self-learning Chip Average Price by Application (2018-2023) & (US\$/Unit)

Table 60. World Self-learning Chip Average Price by Application (2024-2029) & (US\$/Unit)

Table 61. Intel Basic Information, Manufacturing Base and Competitors

Table 62. Intel Major Business

Table 63. Intel Self-learning Chip Product and Services

Table 64. Intel Self-learning Chip Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 65. Intel Recent Developments/Updates

Table 66. Intel Competitive Strengths & Weaknesses

Table 67. Google Basic Information, Manufacturing Base and Competitors

Table 68. Google Major Business

Table 69. Google Self-learning Chip Product and Services

Table 70. Google Self-learning Chip Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 71. Google Recent Developments/Updates

Table 72. Google Competitive Strengths & Weaknesses

Table 73. Samsung Electronics Basic Information, Manufacturing Base and Competitors

Table 74. Samsung Electronics Major Business

Table 75. Samsung Electronics Self-learning Chip Product and Services

Table 76. Samsung Electronics Self-learning Chip Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 77. Samsung Electronics Recent Developments/Updates

Table 78. Samsung Electronics Competitive Strengths & Weaknesses

Table 79. IBM Basic Information, Manufacturing Base and Competitors

Table 80. IBM Major Business

Table 81. IBM Self-learning Chip Product and Services

Table 82. IBM Self-learning Chip Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 83. IBM Recent Developments/Updates

Table 84. IBM Competitive Strengths & Weaknesses

Table 85. Huawei Technologies Basic Information, Manufacturing Base and Competitors

Table 86. Huawei Technologies Major Business

Table 87. Huawei Technologies Self-learning Chip Product and Services

Table 88. Huawei Technologies Self-learning Chip Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 89. Huawei Technologies Recent Developments/Updates

Table 90. Huawei Technologies Competitive Strengths & Weaknesses

Table 91. Amazon Web Services (AWS) Basic Information, Manufacturing Base and Competitors

Table 92. Amazon Web Services (AWS) Major Business

Table 93. Amazon Web Services (AWS) Self-learning Chip Product and Services

Table 94. Amazon Web Services (AWS) Self-learning Chip Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 95. Amazon Web Services (AWS) Recent Developments/Updates

Table 96. Amazon Web Services (AWS) Competitive Strengths & Weaknesses

Table 97. Micron Technology Basic Information, Manufacturing Base and Competitors

Table 98. Micron Technology Major Business

Table 99. Micron Technology Self-learning Chip Product and Services

Table 100. Micron Technology Self-learning Chip Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 101. Micron Technology Recent Developments/Updates

Table 102. Micron Technology Competitive Strengths & Weaknesses

Table 103. Qualcomm Technologies Basic Information, Manufacturing Base and Competitors

- Table 104. Qualcomm Technologies Major Business
- Table 105. Qualcomm Technologies Self-learning Chip Product and Services
- Table 106. Qualcomm Technologies Self-learning Chip Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 107. Qualcomm Technologies Recent Developments/Updates
- Table 108. Qualcomm Technologies Competitive Strengths & Weaknesses
- Table 109. Nvidia Basic Information, Manufacturing Base and Competitors
- Table 110. Nvidia Major Business
- Table 111. Nvidia Self-learning Chip Product and Services
- Table 112. Nvidia Self-learning Chip Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 113. Nvidia Recent Developments/Updates
- Table 114. Nvidia Competitive Strengths & Weaknesses
- Table 115. Xilinx Basic Information, Manufacturing Base and Competitors
- Table 116. Xilinx Major Business
- Table 117. Xilinx Self-learning Chip Product and Services
- Table 118. Xilinx Self-learning Chip Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 119. Xilinx Recent Developments/Updates
- Table 120. Xilinx Competitive Strengths & Weaknesses
- Table 121. Mellanox Technologies Basic Information, Manufacturing Base and Competitors
- Table 122. Mellanox Technologies Major Business
- Table 123. Mellanox Technologies Self-learning Chip Product and Services
- Table 124. Mellanox Technologies Self-learning Chip Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 125. Mellanox Technologies Recent Developments/Updates
- Table 126. Mellanox Technologies Competitive Strengths & Weaknesses
- Table 127. Fujitsu Basic Information, Manufacturing Base and Competitors
- Table 128. Fujitsu Major Business
- Table 129. Fujitsu Self-learning Chip Product and Services
- Table 130. Fujitsu Self-learning Chip Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 131. Fujitsu Recent Developments/Updates
- Table 132. Fujitsu Competitive Strengths & Weaknesses
- Table 133. Wave Computing Basic Information, Manufacturing Base and Competitors
- Table 134. Wave Computing Major Business

- Table 135. Wave Computing Self-learning Chip Product and Services
- Table 136. Wave Computing Self-learning Chip Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 137. Wave Computing Recent Developments/Updates
- Table 138. Wave Computing Competitive Strengths & Weaknesses
- Table 139. Advanced Micro Devices Basic Information, Manufacturing Base and Competitors
- Table 140. Advanced Micro Devices Major Business
- Table 141. Advanced Micro Devices Self-learning Chip Product and Services
- Table 142. Advanced Micro Devices Self-learning Chip Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 143. Advanced Micro Devices Recent Developments/Updates
- Table 144. Advanced Micro Devices Competitive Strengths & Weaknesses
- Table 145. Imec Basic Information, Manufacturing Base and Competitors
- Table 146. Imec Major Business
- Table 147. Imec Self-learning Chip Product and Services
- Table 148. Imec Self-learning Chip Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 149. Imec Recent Developments/Updates
- Table 150. Imec Competitive Strengths & Weaknesses
- Table 151. General Vision Basic Information, Manufacturing Base and Competitors
- Table 152. General Vision Major Business
- Table 153. General Vision Self-learning Chip Product and Services
- Table 154. General Vision Self-learning Chip Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 155. General Vision Recent Developments/Updates
- Table 156. General Vision Competitive Strengths & Weaknesses
- Table 157. Graphcore Basic Information, Manufacturing Base and Competitors
- Table 158. Graphcore Major Business
- Table 159. Graphcore Self-learning Chip Product and Services
- Table 160. Graphcore Self-learning Chip Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 161. Graphcore Recent Developments/Updates
- Table 162. Graphcore Competitive Strengths & Weaknesses
- Table 163. Adapteva Basic Information, Manufacturing Base and Competitors
- Table 164. Adapteva Major Business
- Table 165. Adapteva Self-learning Chip Product and Services
- Table 166. Adapteva Self-learning Chip Production (K Units), Price (US\$/Unit),

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

Table 167. Adapteva Recent Developments/Updates

Table 168. Adapteva Competitive Strengths & Weaknesses

Table 169. Koniku Basic Information, Manufacturing Base and Competitors

Table 170. Koniku Major Business

Table 171. Koniku Self-learning Chip Product and Services

Table 172. Koniku Self-learning Chip Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 173. Koniku Recent Developments/Updates

Table 174. Koniku Competitive Strengths & Weaknesses

Table 175. Tenstorrent Basic Information, Manufacturing Base and Competitors

Table 176. Tenstorrent Major Business

Table 177. Tenstorrent Self-learning Chip Product and Services

Table 178. Tenstorrent Self-learning Chip Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 179. Tenstorrent Recent Developments/Updates

Table 180. Tenstorrent Competitive Strengths & Weaknesses

Table 181. SambaNova Systems Basic Information, Manufacturing Base and Competitors

Table 182. SambaNova Systems Major Business

Table 183. SambaNova Systems Self-learning Chip Product and Services

Table 184. SambaNova Systems Self-learning Chip Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 185. SambaNova Systems Recent Developments/Updates

Table 186. SambaNova Systems Competitive Strengths & Weaknesses

Table 187. Cerebras Systems Basic Information, Manufacturing Base and Competitors

Table 188. Cerebras Systems Major Business

Table 189. Cerebras Systems Self-learning Chip Product and Services

Table 190. Cerebras Systems Self-learning Chip Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 191. Cerebras Systems Recent Developments/Updates

Table 192. Cerebras Systems Competitive Strengths & Weaknesses

Table 193. Groq Basic Information, Manufacturing Base and Competitors

Table 194. Groq Major Business

Table 195. Groq Self-learning Chip Product and Services

Table 196. Groq Self-learning Chip Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 197. Groq Recent Developments/Updates

Table 198. Mythic Basic Information, Manufacturing Base and Competitors

Table 199. Mythic Major Business

Table 200. Mythic Self-learning Chip Product and Services

Table 201. Mythic Self-learning Chip Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 202. Global Key Players of Self-learning Chip Upstream (Raw Materials)

Table 203. Self-learning Chip Typical Customers

Table 204. Self-learning Chip Typical Distributors

LIST OF FIGURE

Figure 1. Self-learning Chip Picture

Figure 2. World Self-learning Chip Production Value: 2018 & 2022 & 2029, (USD Million)

Figure 3. World Self-learning Chip Production Value and Forecast (2018-2029) & (USD Million)

Figure 4. World Self-learning Chip Production (2018-2029) & (K Units)

Figure 5. World Self-learning Chip Average Price (2018-2029) & (US\$/Unit)

Figure 6. World Self-learning Chip Production Value Market Share by Region (2018-2029)

Figure 7. World Self-learning Chip Production Market Share by Region (2018-2029)

Figure 8. North America Self-learning Chip Production (2018-2029) & (K Units)

Figure 9. Europe Self-learning Chip Production (2018-2029) & (K Units)

Figure 10. China Self-learning Chip Production (2018-2029) & (K Units)

Figure 11. Japan Self-learning Chip Production (2018-2029) & (K Units)

Figure 12. South Korea Self-learning Chip Production (2018-2029) & (K Units)

Figure 13. Self-learning Chip Market Drivers

Figure 14. Factors Affecting Demand

Figure 15. World Self-learning Chip Consumption (2018-2029) & (K Units)

Figure 16. World Self-learning Chip Consumption Market Share by Region (2018-2029)

Figure 17. United States Self-learning Chip Consumption (2018-2029) & (K Units)

Figure 18. China Self-learning Chip Consumption (2018-2029) & (K Units)

Figure 19. Europe Self-learning Chip Consumption (2018-2029) & (K Units)

Figure 20. Japan Self-learning Chip Consumption (2018-2029) & (K Units)

Figure 21. South Korea Self-learning Chip Consumption (2018-2029) & (K Units)

Figure 22. ASEAN Self-learning Chip Consumption (2018-2029) & (K Units)

Figure 23. India Self-learning Chip Consumption (2018-2029) & (K Units)

Figure 24. Producer Shipments of Self-learning Chip by Manufacturer Revenue (\$MM) and Market Share (%): 2022

Figure 25. Global Four-firm Concentration Ratios (CR4) for Self-learning Chip Markets in 2022

Figure 26. Global Four-firm Concentration Ratios (CR8) for Self-learning Chip Markets in 2022

Figure 27. United States VS China: Self-learning Chip Production Value Market Share Comparison (2018 & 2022 & 2029)

Figure 28. United States VS China: Self-learning Chip Production Market Share Comparison (2018 & 2022 & 2029)

Figure 29. United States VS China: Self-learning Chip Consumption Market Share Comparison (2018 & 2022 & 2029)

Figure 30. United States Based Manufacturers Self-learning Chip Production Market Share 2022

Figure 31. China Based Manufacturers Self-learning Chip Production Market Share 2022

Figure 32. Rest of World Based Manufacturers Self-learning Chip Production Market Share 2022

Figure 33. World Self-learning Chip Production Value by Type, (USD Million), 2018 & 2022 & 2029

Figure 34. World Self-learning Chip Production Value Market Share by Type in 2022

Figure 35. GPU

Figure 36. TPU

Figure 37. NPU

Figure 38. ASIC

Figure 39. Other

Figure 40. World Self-learning Chip Production Market Share by Type (2018-2029)

Figure 41. World Self-learning Chip Production Value Market Share by Type (2018-2029)

Figure 42. World Self-learning Chip Average Price by Type (2018-2029) & (US\$/Unit)

Figure 43. World Self-learning Chip Production Value by Application, (USD Million), 2018 & 2022 & 2029

Figure 44. World Self-learning Chip Production Value Market Share by Application in 2022

Figure 45. Industrials

Figure 46. Military

Figure 47. Public Safety

Figure 48. Medical

Figure 49. Others

Figure 50. World Self-learning Chip Production Market Share by Application (2018-2029)

Figure 51. World Self-learning Chip Production Value Market Share by Application (2018-2029)

Figure 52. World Self-learning Chip Average Price by Application (2018-2029) & (US\$/Unit)

Figure 53. Self-learning Chip Industry Chain

Figure 54. Self-learning Chip Procurement Model

Figure 55. Self-learning Chip Sales Model

Figure 56. Self-learning Chip Sales Channels, Direct Sales, and Distribution

Figure 57. Methodology

Figure 58. Research Process and Data Source

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