

Global AI GPU Supply, Demand and Key Producers, 2023-2029

<https://marketpublishers.com/r/GCD7ECE4E0CCEN.html>

Date: July 2023

Pages: 77

Price: US\$ 4,480.00 (Single User License)

ID: GCD7ECE4E0CCEN

Abstracts

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

This article mainly counts the GPU chips used in the AI field.

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

This report is a detailed and comprehensive analysis of the world market for AI GPU, 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 AI GPU that contribute to its increasing demand across many markets.

Highlights and key features of the study

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

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

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

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

U.S. VS China: AI GPU domestic production, consumption, key domestic manufacturers

and share

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

Global AI GPU production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

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

This reports profiles key players in the global AI GPU 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 NVIDIA and AMD etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World AI GPU 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 AI GPU Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global AI GPU Market, Segmentation by Type

16/32G

80G

Others

Global AI GPU Market, Segmentation by Application

Cloud Computing

Edge Computing

Data Center

Companies Profiled:

NVIDIA

AMD

Key Questions Answered

1. How big is the global AI GPU market?

2. What is the demand of the global AI GPU market?
3. What is the year over year growth of the global AI GPU market?
4. What is the production and production value of the global AI GPU market?
5. Who are the key producers in the global AI GPU market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 AI GPU Introduction
- 1.2 World AI GPU Supply & Forecast
 - 1.2.1 World AI GPU Production Value (2018 & 2022 & 2029)
 - 1.2.2 World AI GPU Production (2018-2029)
 - 1.2.3 World AI GPU Pricing Trends (2018-2029)
- 1.3 World AI GPU Production by Region (Based on Production Site)
 - 1.3.1 World AI GPU Production Value by Region (2018-2029)
 - 1.3.2 World AI GPU Production by Region (2018-2029)
 - 1.3.3 World AI GPU Average Price by Region (2018-2029)
 - 1.3.4 North America AI GPU Production (2018-2029)
 - 1.3.5 Europe AI GPU Production (2018-2029)
 - 1.3.6 China AI GPU Production (2018-2029)
 - 1.3.7 Japan AI GPU Production (2018-2029)
 - 1.3.8 South Korea AI GPU Production (2018-2029)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 AI GPU Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 AI GPU Major Market Trends
- 1.5 Influence of COVID-19 and Russia-Ukraine War
 - 1.5.1 Influence of COVID-19
 - 1.5.2 Influence of Russia-Ukraine War

2 DEMAND SUMMARY

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

3 WORLD AI GPU MANUFACTURERS COMPETITIVE ANALYSIS

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

3.2 World AI GPU Production by Manufacturer (2018-2023)

3.3 World AI GPU Average Price by Manufacturer (2018-2023)

3.4 AI GPU Company Evaluation Quadrant

3.5 Industry Rank and Concentration Rate (CR)

3.5.1 Global AI GPU Industry Rank of Major Manufacturers

3.5.2 Global Concentration Ratios (CR4) for AI GPU in 2022

3.5.3 Global Concentration Ratios (CR8) for AI GPU in 2022

3.6 AI GPU Market: Overall Company Footprint Analysis

3.6.1 AI GPU Market: Region Footprint

3.6.2 AI GPU Market: Company Product Type Footprint

3.6.3 AI GPU 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: AI GPU Production Value Comparison

4.1.1 United States VS China: AI GPU Production Value Comparison (2018 & 2022 & 2029)

4.1.2 United States VS China: AI GPU Production Value Market Share Comparison (2018 & 2022 & 2029)

4.2 United States VS China: AI GPU Production Comparison

4.2.1 United States VS China: AI GPU Production Comparison (2018 & 2022 & 2029)

4.2.2 United States VS China: AI GPU Production Market Share Comparison (2018 & 2022 & 2029)

4.3 United States VS China: AI GPU Consumption Comparison

4.3.1 United States VS China: AI GPU Consumption Comparison (2018 & 2022 & 2029)

4.3.2 United States VS China: AI GPU Consumption Market Share Comparison (2018 & 2022 & 2029)

4.4 United States Based AI GPU Manufacturers and Market Share, 2018-2023

4.4.1 United States Based AI GPU Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers AI GPU Production Value (2018-2023)

4.4.3 United States Based Manufacturers AI GPU Production (2018-2023)

4.5 China Based AI GPU Manufacturers and Market Share

4.5.1 China Based AI GPU Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers AI GPU Production Value (2018-2023)

4.5.3 China Based Manufacturers AI GPU Production (2018-2023)

4.6 Rest of World Based AI GPU Manufacturers and Market Share, 2018-2023

4.6.1 Rest of World Based AI GPU Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers AI GPU Production Value (2018-2023)

4.6.3 Rest of World Based Manufacturers AI GPU Production (2018-2023)

5 MARKET ANALYSIS BY TYPE

5.1 World AI GPU Market Size Overview by Type: 2018 VS 2022 VS 2029

5.2 Segment Introduction by Type

5.2.1 16/32G

5.2.2 80G

5.2.3 Others

5.3 Market Segment by Type

5.3.1 World AI GPU Production by Type (2018-2029)

5.3.2 World AI GPU Production Value by Type (2018-2029)

5.3.3 World AI GPU Average Price by Type (2018-2029)

6 MARKET ANALYSIS BY APPLICATION

6.1 World AI GPU Market Size Overview by Application: 2018 VS 2022 VS 2029

6.2 Segment Introduction by Application

6.2.1 Cloud Computing

6.2.2 Edge Computing

6.2.3 Data Center

6.3 Market Segment by Application

6.3.1 World AI GPU Production by Application (2018-2029)

6.3.2 World AI GPU Production Value by Application (2018-2029)

6.3.3 World AI GPU Average Price by Application (2018-2029)

7 COMPANY PROFILES

7.1 NVIDIA

7.1.1 NVIDIA Details

7.1.2 NVIDIA Major Business

7.1.3 NVIDIA AI GPU Product and Services

7.1.4 NVIDIA AI GPU Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.1.5 NVIDIA Recent Developments/Updates

7.1.6 NVIDIA Competitive Strengths & Weaknesses

7.2 AMD

7.2.1 AMD Details

7.2.2 AMD Major Business

7.2.3 AMD AI GPU Product and Services

7.2.4 AMD AI GPU Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.2.5 AMD Recent Developments/Updates

7.2.6 AMD Competitive Strengths & Weaknesses

8 INDUSTRY CHAIN ANALYSIS

8.1 AI GPU Industry Chain

8.2 AI GPU Upstream Analysis

8.2.1 AI GPU Core Raw Materials

8.2.2 Main Manufacturers of AI GPU Core Raw Materials

8.3 Midstream Analysis

8.4 Downstream Analysis

8.5 AI GPU Production Mode

8.6 AI GPU Procurement Model

8.7 AI GPU Industry Sales Model and Sales Channels

8.7.1 AI GPU Sales Model

8.7.2 AI GPU 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 AI GPU Production Value by Region (2018, 2022 and 2029) & (USD Million)
- Table 2. World AI GPU Production Value by Region (2018-2023) & (USD Million)
- Table 3. World AI GPU Production Value by Region (2024-2029) & (USD Million)
- Table 4. World AI GPU Production Value Market Share by Region (2018-2023)
- Table 5. World AI GPU Production Value Market Share by Region (2024-2029)
- Table 6. World AI GPU Production by Region (2018-2023) & (K Units)
- Table 7. World AI GPU Production by Region (2024-2029) & (K Units)
- Table 8. World AI GPU Production Market Share by Region (2018-2023)
- Table 9. World AI GPU Production Market Share by Region (2024-2029)
- Table 10. World AI GPU Average Price by Region (2018-2023) & (US\$/Unit)
- Table 11. World AI GPU Average Price by Region (2024-2029) & (US\$/Unit)
- Table 12. AI GPU Major Market Trends
- Table 13. World AI GPU Consumption Growth Rate Forecast by Region (2018 & 2022 & 2029) & (K Units)
- Table 14. World AI GPU Consumption by Region (2018-2023) & (K Units)
- Table 15. World AI GPU Consumption Forecast by Region (2024-2029) & (K Units)
- Table 16. World AI GPU Production Value by Manufacturer (2018-2023) & (USD Million)
- Table 17. Production Value Market Share of Key AI GPU Producers in 2022
- Table 18. World AI GPU Production by Manufacturer (2018-2023) & (K Units)
- Table 19. Production Market Share of Key AI GPU Producers in 2022
- Table 20. World AI GPU Average Price by Manufacturer (2018-2023) & (US\$/Unit)
- Table 21. Global AI GPU Company Evaluation Quadrant
- Table 22. World AI GPU Industry Rank of Major Manufacturers, Based on Production Value in 2022
- Table 23. Head Office and AI GPU Production Site of Key Manufacturer
- Table 24. AI GPU Market: Company Product Type Footprint
- Table 25. AI GPU Market: Company Product Application Footprint
- Table 26. AI GPU Competitive Factors
- Table 27. AI GPU New Entrant and Capacity Expansion Plans
- Table 28. AI GPU Mergers & Acquisitions Activity
- Table 29. United States VS China AI GPU Production Value Comparison, (2018 & 2022 & 2029) & (USD Million)
- Table 30. United States VS China AI GPU Production Comparison, (2018 & 2022 & 2029) & (K Units)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Table 53. World AI GPU Average Price by Type (2024-2029) & (US\$/Unit)

Table 54. World AI GPU Production Value by Application, (USD Million), 2018 & 2022 & 2029

| |
|--|
| Table 55. World AI GPU Production by Application (2018-2023) & (K Units) |
| Table 56. World AI GPU Production by Application (2024-2029) & (K Units) |
| Table 57. World AI GPU Production Value by Application (2018-2023) & (USD Million) |
| Table 58. World AI GPU Production Value by Application (2024-2029) & (USD Million) |
| Table 59. World AI GPU Average Price by Application (2018-2023) & (US\$/Unit) |
| Table 60. World AI GPU Average Price by Application (2024-2029) & (US\$/Unit) |
| Table 61. NVIDIA Basic Information, Manufacturing Base and Competitors |
| Table 62. NVIDIA Major Business |
| Table 63. NVIDIA AI GPU Product and Services |
| Table 64. NVIDIA AI GPU Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023) |
| Table 65. NVIDIA Recent Developments/Updates |
| Table 66. AMD Basic Information, Manufacturing Base and Competitors |
| Table 67. AMD Major Business |
| Table 68. AMD AI GPU Product and Services |
| Table 69. AMD AI GPU Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023) |
| Table 70. Global Key Players of AI GPU Upstream (Raw Materials) |
| Table 71. AI GPU Typical Customers |
| Table 72. AI GPU Typical Distributors |

List Of Figures

LIST OF FIGURES

Figure 1. AI GPU Picture

Figure 2. World AI GPU Production Value: 2018 & 2022 & 2029, (USD Million)

Figure 3. World AI GPU Production Value and Forecast (2018-2029) & (USD Million)

Figure 4. World AI GPU Production (2018-2029) & (K Units)

Figure 5. World AI GPU Average Price (2018-2029) & (US\$/Unit)

Figure 6. World AI GPU Production Value Market Share by Region (2018-2029)

Figure 7. World AI GPU Production Market Share by Region (2018-2029)

Figure 8. North America AI GPU Production (2018-2029) & (K Units)

Figure 9. Europe AI GPU Production (2018-2029) & (K Units)

Figure 10. China AI GPU Production (2018-2029) & (K Units)

Figure 11. Japan AI GPU Production (2018-2029) & (K Units)

Figure 12. South Korea AI GPU Production (2018-2029) & (K Units)

Figure 13. AI GPU Market Drivers

Figure 14. Factors Affecting Demand

Figure 15. World AI GPU Consumption (2018-2029) & (K Units)

Figure 16. World AI GPU Consumption Market Share by Region (2018-2029)

Figure 17. United States AI GPU Consumption (2018-2029) & (K Units)

Figure 18. China AI GPU Consumption (2018-2029) & (K Units)

Figure 19. Europe AI GPU Consumption (2018-2029) & (K Units)

Figure 20. Japan AI GPU Consumption (2018-2029) & (K Units)

Figure 21. South Korea AI GPU Consumption (2018-2029) & (K Units)

Figure 22. ASEAN AI GPU Consumption (2018-2029) & (K Units)

Figure 23. India AI GPU Consumption (2018-2029) & (K Units)

Figure 24. Producer Shipments of AI GPU by Manufacturer Revenue (\$MM) and Market Share (%): 2022

Figure 25. Global Four-firm Concentration Ratios (CR4) for AI GPU Markets in 2022

Figure 26. Global Four-firm Concentration Ratios (CR8) for AI GPU Markets in 2022

Figure 27. United States VS China: AI GPU Production Value Market Share Comparison (2018 & 2022 & 2029)

Figure 28. United States VS China: AI GPU Production Market Share Comparison (2018 & 2022 & 2029)

Figure 29. United States VS China: AI GPU Consumption Market Share Comparison (2018 & 2022 & 2029)

Figure 30. United States Based Manufacturers AI GPU Production Market Share 2022

Figure 31. China Based Manufacturers AI GPU Production Market Share 2022

- Figure 32. Rest of World Based Manufacturers AI GPU Production Market Share 2022
- Figure 33. World AI GPU Production Value by Type, (USD Million), 2018 & 2022 & 2029
- Figure 34. World AI GPU Production Value Market Share by Type in 2022
- Figure 35. 16/32G
- Figure 36. 80G
- Figure 37. Others
- Figure 38. World AI GPU Production Market Share by Type (2018-2029)
- Figure 39. World AI GPU Production Value Market Share by Type (2018-2029)
- Figure 40. World AI GPU Average Price by Type (2018-2029) & (US\$/Unit)
- Figure 41. World AI GPU Production Value by Application, (USD Million), 2018 & 2022 & 2029
- Figure 42. World AI GPU Production Value Market Share by Application in 2022
- Figure 43. Cloud Computing
- Figure 44. Edge Computing
- Figure 45. Data Center
- Figure 46. World AI GPU Production Market Share by Application (2018-2029)
- Figure 47. World AI GPU Production Value Market Share by Application (2018-2029)
- Figure 48. World AI GPU Average Price by Application (2018-2029) & (US\$/Unit)
- Figure 49. AI GPU Industry Chain
- Figure 50. AI GPU Procurement Model
- Figure 51. AI GPU Sales Model
- Figure 52. AI GPU Sales Channels, Direct Sales, and Distribution
- Figure 53. Methodology
- Figure 54. Research Process and Data Source

I would like to order

Product name: Global AI GPU Supply, Demand and Key Producers, 2023-2029

Product link: <https://marketpublishers.com/r/GCD7ECE4E0CCEN.html>

Price: US\$ 4,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GCD7ECE4E0CCEN.html>