

Global Programmable AI Accelerator Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

<https://marketpublishers.com/r/GA84E6D0F5CCEN.html>

Date: January 2026

Pages: 142

Price: US\$ 3,480.00 (Single User License)

ID: GA84E6D0F5CCEN

Abstracts

According to our (Global Info Research) latest study, the global Programmable AI Accelerator market size was valued at US\$ 3597 million in 2025 and is forecast to a readjusted size of US\$ 10751 million by 2032 with a CAGR of 16.8% during review period.

Programmable AI Accelerator market covers flexible hardware acceleration solutions that improve AI compute efficiency while maintaining adaptability to changing models and workloads. Key product forms include FPGA-based accelerators, reconfigurable compute architectures, and hybrid programmable SoCs deployed in servers, edge systems, and networking equipment. Compared with fixed-function AI ASICs, programmable accelerators are valued for their ability to support evolving inference pipelines, optimize pre/post-processing, and enable low-latency deployment in specialized environments.

In 2025, global Programmable AI Accelerator production reached approximately 920k units, with an average global market price of around US\$ 3,800 per unit. Demand is primarily driven by cloud and enterprise inference acceleration, telecom edge/vRAN deployments, industrial machine vision, cybersecurity inspection, and financial analytics, where workload diversity and deterministic performance requirements favor reconfigurable hardware. Procurement decisions often emphasize total platform readiness, including software toolchains, runtime libraries, and integration compatibility with mainstream AI frameworks.

From a profitability perspective, gross margin performance depends strongly on ecosystem depth and deployment maturity. Vendors with robust compilers, optimized

kernels, and long-term support services can maintain healthier margins and improve customer retention, while commodity hardware configurations face ASP pressure from GPUs and cost-optimized inference ASICs. Looking forward, programmable accelerators are expected to remain strategically important in heterogeneous AI systems as offload engines for data movement, networking, compression, and real-time inference pipelines, supporting continued market expansion alongside rising AI infrastructure investments.

This report is a detailed and comprehensive analysis for global Programmable AI Accelerator market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Programmable AI Accelerator market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Programmable AI Accelerator market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Programmable AI Accelerator market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Programmable AI Accelerator market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Programmable AI Accelerator

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Programmable AI Accelerator market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Qualcomm, IBM, Nvidia, Intel, AMD, Architek, Broadcom, Marvell, Altera (Intel), Cerebras Systems, etc.

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

Market Segmentation

Programmable AI Accelerator market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

CPU

GPU

Others

Market segment by Target Workload

Inference Acceleration

Training Acceleration

Others

Market segment by Deployment Form Factor

PCIe Accelerator Cards

Server-attached Modules

Others

Market segment by Application

Machine Learning

Edge Computing

Natural Language Processing

Others

Major players covered

Qualcomm

IBM

Nvidia

Intel

AMD

Architek

Broadcom

Marvell

Altera (Intel)

Cerebras Systems

Groq

SambaNova Systems

Graphcore

Tenstorrent

Meta

Amazon AWS

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Programmable AI Accelerator product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Programmable AI Accelerator, with price, sales quantity, revenue, and global market share of Programmable AI Accelerator from 2021 to 2026.

Chapter 3, the Programmable AI Accelerator competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Programmable AI Accelerator breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Programmable AI Accelerator market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Programmable AI Accelerator.

Chapter 14 and 15, to describe Programmable AI Accelerator sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global Programmable AI Accelerator Consumption Value by Type: 2021 Versus 2025 Versus 2032

1.3.2 CPU

1.3.3 GPU

1.3.4 Others

1.4 Market Analysis by Target Workload

1.4.1 Overview: Global Programmable AI Accelerator Consumption Value by Target Workload: 2021 Versus 2025 Versus 2032

1.4.2 Inference Acceleration

1.4.3 Training Acceleration

1.4.4 Others

1.5 Market Analysis by Deployment Form Factor

1.5.1 Overview: Global Programmable AI Accelerator Consumption Value by Deployment Form Factor: 2021 Versus 2025 Versus 2032

1.5.2 PCIe Accelerator Cards

1.5.3 Server-attached Modules

1.5.4 Others

1.6 Market Analysis by Application

1.6.1 Overview: Global Programmable AI Accelerator Consumption Value by Application: 2021 Versus 2025 Versus 2032

1.6.2 Machine Learning

1.6.3 Edge Computing

1.6.4 Natural Language Processing

1.6.5 Others

1.7 Global Programmable AI Accelerator Market Size & Forecast

1.7.1 Global Programmable AI Accelerator Consumption Value (2021 & 2025 & 2032)

1.7.2 Global Programmable AI Accelerator Sales Quantity (2021-2032)

1.7.3 Global Programmable AI Accelerator Average Price (2021-2032)

2 MANUFACTURERS PROFILES

2.1 Qualcomm

- 2.1.1 Qualcomm Details
- 2.1.2 Qualcomm Major Business
- 2.1.3 Qualcomm Programmable AI Accelerator Product and Services
- 2.1.4 Qualcomm Programmable AI Accelerator Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
- 2.1.5 Qualcomm Recent Developments/Updates
- 2.2 IBM
 - 2.2.1 IBM Details
 - 2.2.2 IBM Major Business
 - 2.2.3 IBM Programmable AI Accelerator Product and Services
 - 2.2.4 IBM Programmable AI Accelerator Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.2.5 IBM Recent Developments/Updates
- 2.3 Nvidia
 - 2.3.1 Nvidia Details
 - 2.3.2 Nvidia Major Business
 - 2.3.3 Nvidia Programmable AI Accelerator Product and Services
 - 2.3.4 Nvidia Programmable AI Accelerator Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.3.5 Nvidia Recent Developments/Updates
- 2.4 Intel
 - 2.4.1 Intel Details
 - 2.4.2 Intel Major Business
 - 2.4.3 Intel Programmable AI Accelerator Product and Services
 - 2.4.4 Intel Programmable AI Accelerator Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.4.5 Intel Recent Developments/Updates
- 2.5 AMD
 - 2.5.1 AMD Details
 - 2.5.2 AMD Major Business
 - 2.5.3 AMD Programmable AI Accelerator Product and Services
 - 2.5.4 AMD Programmable AI Accelerator Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.5.5 AMD Recent Developments/Updates
- 2.6 Architek
 - 2.6.1 Architek Details
 - 2.6.2 Architek Major Business
 - 2.6.3 Architek Programmable AI Accelerator Product and Services
 - 2.6.4 Architek Programmable AI Accelerator Sales Quantity, Average Price, Revenue,

Gross Margin and Market Share (2021-2026)

2.6.5 Architek Recent Developments/Updates

2.7 Broadcom

2.7.1 Broadcom Details

2.7.2 Broadcom Major Business

2.7.3 Broadcom Programmable AI Accelerator Product and Services

2.7.4 Broadcom Programmable AI Accelerator Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.7.5 Broadcom Recent Developments/Updates

2.8 Marvell

2.8.1 Marvell Details

2.8.2 Marvell Major Business

2.8.3 Marvell Programmable AI Accelerator Product and Services

2.8.4 Marvell Programmable AI Accelerator Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.8.5 Marvell Recent Developments/Updates

2.9 Altera (Intel)

2.9.1 Altera (Intel) Details

2.9.2 Altera (Intel) Major Business

2.9.3 Altera (Intel) Programmable AI Accelerator Product and Services

2.9.4 Altera (Intel) Programmable AI Accelerator Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.9.5 Altera (Intel) Recent Developments/Updates

2.10 Cerebras Systems

2.10.1 Cerebras Systems Details

2.10.2 Cerebras Systems Major Business

2.10.3 Cerebras Systems Programmable AI Accelerator Product and Services

2.10.4 Cerebras Systems Programmable AI Accelerator Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.10.5 Cerebras Systems Recent Developments/Updates

2.11 Groq

2.11.1 Groq Details

2.11.2 Groq Major Business

2.11.3 Groq Programmable AI Accelerator Product and Services

2.11.4 Groq Programmable AI Accelerator Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.11.5 Groq Recent Developments/Updates

2.12 SambaNova Systems

2.12.1 SambaNova Systems Details

- 2.12.2 SambaNova Systems Major Business
- 2.12.3 SambaNova Systems Programmable AI Accelerator Product and Services
- 2.12.4 SambaNova Systems Programmable AI Accelerator Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
- 2.12.5 SambaNova Systems Recent Developments/Updates
- 2.13 Graphcore
 - 2.13.1 Graphcore Details
 - 2.13.2 Graphcore Major Business
 - 2.13.3 Graphcore Programmable AI Accelerator Product and Services
 - 2.13.4 Graphcore Programmable AI Accelerator Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.13.5 Graphcore Recent Developments/Updates
- 2.14 Tenstorrent
 - 2.14.1 Tenstorrent Details
 - 2.14.2 Tenstorrent Major Business
 - 2.14.3 Tenstorrent Programmable AI Accelerator Product and Services
 - 2.14.4 Tenstorrent Programmable AI Accelerator Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.14.5 Tenstorrent Recent Developments/Updates
- 2.15 Meta
 - 2.15.1 Meta Details
 - 2.15.2 Meta Major Business
 - 2.15.3 Meta Programmable AI Accelerator Product and Services
 - 2.15.4 Meta Programmable AI Accelerator Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.15.5 Meta Recent Developments/Updates
- 2.16 Amazon AWS
 - 2.16.1 Amazon AWS Details
 - 2.16.2 Amazon AWS Major Business
 - 2.16.3 Amazon AWS Programmable AI Accelerator Product and Services
 - 2.16.4 Amazon AWS Programmable AI Accelerator Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.16.5 Amazon AWS Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: PROGRAMMABLE AI ACCELERATOR BY MANUFACTURER

- 3.1 Global Programmable AI Accelerator Sales Quantity by Manufacturer (2021-2026)
- 3.2 Global Programmable AI Accelerator Revenue by Manufacturer (2021-2026)

- 3.3 Global Programmable AI Accelerator Average Price by Manufacturer (2021-2026)
- 3.4 Market Share Analysis (2025)
 - 3.4.1 Producer Shipments of Programmable AI Accelerator by Manufacturer Revenue (\$MM) and Market Share (%): 2025
 - 3.4.2 Top 3 Programmable AI Accelerator Manufacturer Market Share in 2025
 - 3.4.3 Top 6 Programmable AI Accelerator Manufacturer Market Share in 2025
- 3.5 Programmable AI Accelerator Market: Overall Company Footprint Analysis
 - 3.5.1 Programmable AI Accelerator Market: Region Footprint
 - 3.5.2 Programmable AI Accelerator Market: Company Product Type Footprint
 - 3.5.3 Programmable AI Accelerator Market: Company Product Application Footprint
- 3.6 New Market Entrants and Barriers to Market Entry
- 3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

- 4.1 Global Programmable AI Accelerator Market Size by Region
 - 4.1.1 Global Programmable AI Accelerator Sales Quantity by Region (2021-2032)
 - 4.1.2 Global Programmable AI Accelerator Consumption Value by Region (2021-2032)
 - 4.1.3 Global Programmable AI Accelerator Average Price by Region (2021-2032)
- 4.2 North America Programmable AI Accelerator Consumption Value (2021-2032)
- 4.3 Europe Programmable AI Accelerator Consumption Value (2021-2032)
- 4.4 Asia-Pacific Programmable AI Accelerator Consumption Value (2021-2032)
- 4.5 South America Programmable AI Accelerator Consumption Value (2021-2032)
- 4.6 Middle East & Africa Programmable AI Accelerator Consumption Value (2021-2032)

5 MARKET SEGMENT BY TYPE

- 5.1 Global Programmable AI Accelerator Sales Quantity by Type (2021-2032)
- 5.2 Global Programmable AI Accelerator Consumption Value by Type (2021-2032)
- 5.3 Global Programmable AI Accelerator Average Price by Type (2021-2032)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global Programmable AI Accelerator Sales Quantity by Application (2021-2032)
- 6.2 Global Programmable AI Accelerator Consumption Value by Application (2021-2032)
- 6.3 Global Programmable AI Accelerator Average Price by Application (2021-2032)

7 NORTH AMERICA

7.1 North America Programmable AI Accelerator Sales Quantity by Type (2021-2032)

7.2 North America Programmable AI Accelerator Sales Quantity by Application (2021-2032)

7.3 North America Programmable AI Accelerator Market Size by Country

7.3.1 North America Programmable AI Accelerator Sales Quantity by Country (2021-2032)

7.3.2 North America Programmable AI Accelerator Consumption Value by Country (2021-2032)

7.3.3 United States Market Size and Forecast (2021-2032)

7.3.4 Canada Market Size and Forecast (2021-2032)

7.3.5 Mexico Market Size and Forecast (2021-2032)

8 EUROPE

8.1 Europe Programmable AI Accelerator Sales Quantity by Type (2021-2032)

8.2 Europe Programmable AI Accelerator Sales Quantity by Application (2021-2032)

8.3 Europe Programmable AI Accelerator Market Size by Country

8.3.1 Europe Programmable AI Accelerator Sales Quantity by Country (2021-2032)

8.3.2 Europe Programmable AI Accelerator Consumption Value by Country (2021-2032)

8.3.3 Germany Market Size and Forecast (2021-2032)

8.3.4 France Market Size and Forecast (2021-2032)

8.3.5 United Kingdom Market Size and Forecast (2021-2032)

8.3.6 Russia Market Size and Forecast (2021-2032)

8.3.7 Italy Market Size and Forecast (2021-2032)

9 ASIA-PACIFIC

9.1 Asia-Pacific Programmable AI Accelerator Sales Quantity by Type (2021-2032)

9.2 Asia-Pacific Programmable AI Accelerator Sales Quantity by Application (2021-2032)

9.3 Asia-Pacific Programmable AI Accelerator Market Size by Region

9.3.1 Asia-Pacific Programmable AI Accelerator Sales Quantity by Region (2021-2032)

9.3.2 Asia-Pacific Programmable AI Accelerator Consumption Value by Region (2021-2032)

9.3.3 China Market Size and Forecast (2021-2032)

9.3.4 Japan Market Size and Forecast (2021-2032)

9.3.5 South Korea Market Size and Forecast (2021-2032)

- 9.3.6 India Market Size and Forecast (2021-2032)
- 9.3.7 Southeast Asia Market Size and Forecast (2021-2032)
- 9.3.8 Australia Market Size and Forecast (2021-2032)

10 SOUTH AMERICA

- 10.1 South America Programmable AI Accelerator Sales Quantity by Type (2021-2032)
- 10.2 South America Programmable AI Accelerator Sales Quantity by Application (2021-2032)
- 10.3 South America Programmable AI Accelerator Market Size by Country
 - 10.3.1 South America Programmable AI Accelerator Sales Quantity by Country (2021-2032)
 - 10.3.2 South America Programmable AI Accelerator Consumption Value by Country (2021-2032)
 - 10.3.3 Brazil Market Size and Forecast (2021-2032)
 - 10.3.4 Argentina Market Size and Forecast (2021-2032)

11 MIDDLE EAST & AFRICA

- 11.1 Middle East & Africa Programmable AI Accelerator Sales Quantity by Type (2021-2032)
- 11.2 Middle East & Africa Programmable AI Accelerator Sales Quantity by Application (2021-2032)
- 11.3 Middle East & Africa Programmable AI Accelerator Market Size by Country
 - 11.3.1 Middle East & Africa Programmable AI Accelerator Sales Quantity by Country (2021-2032)
 - 11.3.2 Middle East & Africa Programmable AI Accelerator Consumption Value by Country (2021-2032)
 - 11.3.3 Turkey Market Size and Forecast (2021-2032)
 - 11.3.4 Egypt Market Size and Forecast (2021-2032)
 - 11.3.5 Saudi Arabia Market Size and Forecast (2021-2032)
 - 11.3.6 South Africa Market Size and Forecast (2021-2032)

12 MARKET DYNAMICS

- 12.1 Programmable AI Accelerator Market Drivers
- 12.2 Programmable AI Accelerator Market Restraints
- 12.3 Programmable AI Accelerator Trends Analysis
- 12.4 Porters Five Forces Analysis

- 12.4.1 Threat of New Entrants
- 12.4.2 Bargaining Power of Suppliers
- 12.4.3 Bargaining Power of Buyers
- 12.4.4 Threat of Substitutes
- 12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

- 13.1 Raw Material of Programmable AI Accelerator and Key Manufacturers
- 13.2 Manufacturing Costs Percentage of Programmable AI Accelerator
- 13.3 Programmable AI Accelerator Production Process
- 13.4 Industry Value Chain Analysis

14 SHIPMENTS BY DISTRIBUTION CHANNEL

- 14.1 Sales Channel
 - 14.1.1 Direct to End-User
 - 14.1.2 Distributors
- 14.2 Programmable AI Accelerator Typical Distributors
- 14.3 Programmable AI Accelerator Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

- 16.1 Methodology
- 16.2 Research Process and Data Source
- 16.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global Programmable AI Accelerator Consumption Value by Type, (USD Million), 2021 & 2025 & 2032

Table 2. Global Programmable AI Accelerator Consumption Value by Target Workload, (USD Million), 2021 & 2025 & 2032

Table 3. Global Programmable AI Accelerator Consumption Value by Deployment Form Factor, (USD Million), 2021 & 2025 & 2032

Table 4. Global Programmable AI Accelerator Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Table 5. Qualcomm Basic Information, Manufacturing Base and Competitors

Table 6. Qualcomm Major Business

Table 7. Qualcomm Programmable AI Accelerator Product and Services

Table 8. Qualcomm Programmable AI Accelerator Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 9. Qualcomm Recent Developments/Updates

Table 10. IBM Basic Information, Manufacturing Base and Competitors

Table 11. IBM Major Business

Table 12. IBM Programmable AI Accelerator Product and Services

Table 13. IBM Programmable AI Accelerator Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 14. IBM Recent Developments/Updates

Table 15. Nvidia Basic Information, Manufacturing Base and Competitors

Table 16. Nvidia Major Business

Table 17. Nvidia Programmable AI Accelerator Product and Services

Table 18. Nvidia Programmable AI Accelerator Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 19. Nvidia Recent Developments/Updates

Table 20. Intel Basic Information, Manufacturing Base and Competitors

Table 21. Intel Major Business

Table 22. Intel Programmable AI Accelerator Product and Services

Table 23. Intel Programmable AI Accelerator Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 24. Intel Recent Developments/Updates

Table 25. AMD Basic Information, Manufacturing Base and Competitors

Table 26. AMD Major Business

Table 27. AMD Programmable AI Accelerator Product and Services

- Table 28. AMD Programmable AI Accelerator Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 29. AMD Recent Developments/Updates
- Table 30. Architek Basic Information, Manufacturing Base and Competitors
- Table 31. Architek Major Business
- Table 32. Architek Programmable AI Accelerator Product and Services
- Table 33. Architek Programmable AI Accelerator Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 34. Architek Recent Developments/Updates
- Table 35. Broadcom Basic Information, Manufacturing Base and Competitors
- Table 36. Broadcom Major Business
- Table 37. Broadcom Programmable AI Accelerator Product and Services
- Table 38. Broadcom Programmable AI Accelerator Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 39. Broadcom Recent Developments/Updates
- Table 40. Marvell Basic Information, Manufacturing Base and Competitors
- Table 41. Marvell Major Business
- Table 42. Marvell Programmable AI Accelerator Product and Services
- Table 43. Marvell Programmable AI Accelerator Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 44. Marvell Recent Developments/Updates
- Table 45. Altera (Intel) Basic Information, Manufacturing Base and Competitors
- Table 46. Altera (Intel) Major Business
- Table 47. Altera (Intel) Programmable AI Accelerator Product and Services
- Table 48. Altera (Intel) Programmable AI Accelerator Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 49. Altera (Intel) Recent Developments/Updates
- Table 50. Cerebras Systems Basic Information, Manufacturing Base and Competitors
- Table 51. Cerebras Systems Major Business
- Table 52. Cerebras Systems Programmable AI Accelerator Product and Services
- Table 53. Cerebras Systems Programmable AI Accelerator Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 54. Cerebras Systems Recent Developments/Updates
- Table 55. Groq Basic Information, Manufacturing Base and Competitors
- Table 56. Groq Major Business
- Table 57. Groq Programmable AI Accelerator Product and Services
- Table 58. Groq Programmable AI Accelerator Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 59. Groq Recent Developments/Updates

Table 60. SambaNova Systems Basic Information, Manufacturing Base and Competitors

Table 61. SambaNova Systems Major Business

Table 62. SambaNova Systems Programmable AI Accelerator Product and Services

Table 63. SambaNova Systems Programmable AI Accelerator Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 64. SambaNova Systems Recent Developments/Updates

Table 65. Graphcore Basic Information, Manufacturing Base and Competitors

Table 66. Graphcore Major Business

Table 67. Graphcore Programmable AI Accelerator Product and Services

Table 68. Graphcore Programmable AI Accelerator Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 69. Graphcore Recent Developments/Updates

Table 70. Tenstorrent Basic Information, Manufacturing Base and Competitors

Table 71. Tenstorrent Major Business

Table 72. Tenstorrent Programmable AI Accelerator Product and Services

Table 73. Tenstorrent Programmable AI Accelerator Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 74. Tenstorrent Recent Developments/Updates

Table 75. Meta Basic Information, Manufacturing Base and Competitors

Table 76. Meta Major Business

Table 77. Meta Programmable AI Accelerator Product and Services

Table 78. Meta Programmable AI Accelerator Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 79. Meta Recent Developments/Updates

Table 80. Amazon AWS Basic Information, Manufacturing Base and Competitors

Table 81. Amazon AWS Major Business

Table 82. Amazon AWS Programmable AI Accelerator Product and Services

Table 83. Amazon AWS Programmable AI Accelerator Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 84. Amazon AWS Recent Developments/Updates

Table 85. Global Programmable AI Accelerator Sales Quantity by Manufacturer (2021-2026) & (K Units)

Table 86. Global Programmable AI Accelerator Revenue by Manufacturer (2021-2026) & (USD Million)

Table 87. Global Programmable AI Accelerator Average Price by Manufacturer

(2021-2026) & (US\$/Unit)

Table 88. Market Position of Manufacturers in Programmable AI Accelerator, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2025

Table 89. Head Office and Programmable AI Accelerator Production Site of Key Manufacturer

Table 90. Programmable AI Accelerator Market: Company Product Type Footprint

Table 91. Programmable AI Accelerator Market: Company Product Application Footprint

Table 92. Programmable AI Accelerator New Market Entrants and Barriers to Market Entry

Table 93. Programmable AI Accelerator Mergers, Acquisition, Agreements, and Collaborations

Table 94. Global Programmable AI Accelerator Consumption Value by Region (2021-2025-2032) & (USD Million) & CAGR

Table 95. Global Programmable AI Accelerator Sales Quantity by Region (2021-2026) & (K Units)

Table 96. Global Programmable AI Accelerator Sales Quantity by Region (2027-2032) & (K Units)

Table 97. Global Programmable AI Accelerator Consumption Value by Region (2021-2026) & (USD Million)

Table 98. Global Programmable AI Accelerator Consumption Value by Region (2027-2032) & (USD Million)

Table 99. Global Programmable AI Accelerator Average Price by Region (2021-2026) & (US\$/Unit)

Table 100. Global Programmable AI Accelerator Average Price by Region (2027-2032) & (US\$/Unit)

Table 101. Global Programmable AI Accelerator Sales Quantity by Type (2021-2026) & (K Units)

Table 102. Global Programmable AI Accelerator Sales Quantity by Type (2027-2032) & (K Units)

Table 103. Global Programmable AI Accelerator Consumption Value by Type (2021-2026) & (USD Million)

Table 104. Global Programmable AI Accelerator Consumption Value by Type (2027-2032) & (USD Million)

Table 105. Global Programmable AI Accelerator Average Price by Type (2021-2026) & (US\$/Unit)

Table 106. Global Programmable AI Accelerator Average Price by Type (2027-2032) & (US\$/Unit)

Table 107. Global Programmable AI Accelerator Sales Quantity by Application (2021-2026) & (K Units)

Table 108. Global Programmable AI Accelerator Sales Quantity by Application (2027-2032) & (K Units)

Table 109. Global Programmable AI Accelerator Consumption Value by Application (2021-2026) & (USD Million)

Table 110. Global Programmable AI Accelerator Consumption Value by Application (2027-2032) & (USD Million)

Table 111. Global Programmable AI Accelerator Average Price by Application (2021-2026) & (US\$/Unit)

Table 112. Global Programmable AI Accelerator Average Price by Application (2027-2032) & (US\$/Unit)

Table 113. North America Programmable AI Accelerator Sales Quantity by Type (2021-2026) & (K Units)

Table 114. North America Programmable AI Accelerator Sales Quantity by Type (2027-2032) & (K Units)

Table 115. North America Programmable AI Accelerator Sales Quantity by Application (2021-2026) & (K Units)

Table 116. North America Programmable AI Accelerator Sales Quantity by Application (2027-2032) & (K Units)

Table 117. North America Programmable AI Accelerator Sales Quantity by Country (2021-2026) & (K Units)

Table 118. North America Programmable AI Accelerator Sales Quantity by Country (2027-2032) & (K Units)

Table 119. North America Programmable AI Accelerator Consumption Value by Country (2021-2026) & (USD Million)

Table 120. North America Programmable AI Accelerator Consumption Value by Country (2027-2032) & (USD Million)

Table 121. Europe Programmable AI Accelerator Sales Quantity by Type (2021-2026) & (K Units)

Table 122. Europe Programmable AI Accelerator Sales Quantity by Type (2027-2032) & (K Units)

Table 123. Europe Programmable AI Accelerator Sales Quantity by Application (2021-2026) & (K Units)

Table 124. Europe Programmable AI Accelerator Sales Quantity by Application (2027-2032) & (K Units)

Table 125. Europe Programmable AI Accelerator Sales Quantity by Country (2021-2026) & (K Units)

Table 126. Europe Programmable AI Accelerator Sales Quantity by Country (2027-2032) & (K Units)

Table 127. Europe Programmable AI Accelerator Consumption Value by Country

(2021-2026) & (USD Million)

Table 128. Europe Programmable AI Accelerator Consumption Value by Country

(2027-2032) & (USD Million)

Table 129. Asia-Pacific Programmable AI Accelerator Sales Quantity by Type

(2021-2026) & (K Units)

Table 130. Asia-Pacific Programmable AI Accelerator Sales Quantity by Type

(2027-2032) & (K Units)

Table 131. Asia-Pacific Programmable AI Accelerator Sales Quantity by Application

(2021-2026) & (K Units)

Table 132. Asia-Pacific Programmable AI Accelerator Sales Quantity by Application

(2027-2032) & (K Units)

Table 133. Asia-Pacific Programmable AI Accelerator Sales Quantity by Region

(2021-2026) & (K Units)

Table 134. Asia-Pacific Programmable AI Accelerator Sales Quantity by Region

(2027-2032) & (K Units)

Table 135. Asia-Pacific Programmable AI Accelerator Consumption Value by Region

(2021-2026) & (USD Million)

Table 136. Asia-Pacific Programmable AI Accelerator Consumption Value by Region

(2027-2032) & (USD Million)

Table 137. South America Programmable AI Accelerator Sales Quantity by Type

(2021-2026) & (K Units)

Table 138. South America Programmable AI Accelerator Sales Quantity by Type

(2027-2032) & (K Units)

Table 139. South America Programmable AI Accelerator Sales Quantity by Application

(2021-2026) & (K Units)

Table 140. South America Programmable AI Accelerator Sales Quantity by Application

(2027-2032) & (K Units)

Table 141. South America Programmable AI Accelerator Sales Quantity by Country

(2021-2026) & (K Units)

Table 142. South America Programmable AI Accelerator Sales Quantity by Country

(2027-2032) & (K Units)

Table 143. South America Programmable AI Accelerator Consumption Value by Country (2021-2026) & (USD Million)

Table 144. South America Programmable AI Accelerator Consumption Value by Country (2027-2032) & (USD Million)

Table 145. Middle East & Africa Programmable AI Accelerator Sales Quantity by Type (2021-2026) & (K Units)

Table 146. Middle East & Africa Programmable AI Accelerator Sales Quantity by Type (2027-2032) & (K Units)

Table 147. Middle East & Africa Programmable AI Accelerator Sales Quantity by Application (2021-2026) & (K Units)

Table 148. Middle East & Africa Programmable AI Accelerator Sales Quantity by Application (2027-2032) & (K Units)

Table 149. Middle East & Africa Programmable AI Accelerator Sales Quantity by Country (2021-2026) & (K Units)

Table 150. Middle East & Africa Programmable AI Accelerator Sales Quantity by Country (2027-2032) & (K Units)

Table 151. Middle East & Africa Programmable AI Accelerator Consumption Value by Country (2021-2026) & (USD Million)

Table 152. Middle East & Africa Programmable AI Accelerator Consumption Value by Country (2027-2032) & (USD Million)

Table 153. Programmable AI Accelerator Raw Material

Table 154. Key Manufacturers of Programmable AI Accelerator Raw Materials

Table 155. Programmable AI Accelerator Typical Distributors

Table 156. Programmable AI Accelerator Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. Programmable AI Accelerator Picture

Figure 2. Global Programmable AI Accelerator Revenue by Type, (USD Million), 2021 & 2025 & 2032

Figure 3. Global Programmable AI Accelerator Revenue Market Share by Type in 2025

Figure 4. CPU Examples

Figure 5. GPU Examples

Figure 6. Others Examples

Figure 7. Global Programmable AI Accelerator Revenue by Target Workload, (USD Million), 2021 & 2025 & 2032

Figure 8. Global Programmable AI Accelerator Revenue Market Share by Target Workload in 2025

Figure 9. Inference Acceleration Examples

Figure 10. Training Acceleration Examples

Figure 11. Others Examples

Figure 12. Global Programmable AI Accelerator Revenue by Deployment Form Factor, (USD Million), 2021 & 2025 & 2032

Figure 13. Global Programmable AI Accelerator Revenue Market Share by Deployment Form Factor in 2025

Figure 14. PCIe Accelerator Cards Examples

Figure 15. Server-attached Modules Examples

Figure 16. Others Examples

Figure 17. Global Programmable AI Accelerator Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 18. Global Programmable AI Accelerator Revenue Market Share by Application in 2025

Figure 19. Machine Learning Examples

Figure 20. Edge Computing Examples

Figure 21. Natural Language Processing Examples

Figure 22. Others Examples

Figure 23. Global Programmable AI Accelerator Consumption Value, (USD Million): 2021 & 2025 & 2032

Figure 24. Global Programmable AI Accelerator Consumption Value and Forecast (2021-2032) & (USD Million)

Figure 25. Global Programmable AI Accelerator Sales Quantity (2021-2032) & (K Units)

Figure 26. Global Programmable AI Accelerator Price (2021-2032) & (US\$/Unit)

Figure 27. Global Programmable AI Accelerator Sales Quantity Market Share by Manufacturer in 2025

Figure 28. Global Programmable AI Accelerator Revenue Market Share by Manufacturer in 2025

Figure 29. Producer Shipments of Programmable AI Accelerator by Manufacturer Sales (\$MM) and Market Share (%): 2025

Figure 30. Top 3 Programmable AI Accelerator Manufacturer (Revenue) Market Share in 2025

Figure 31. Top 6 Programmable AI Accelerator Manufacturer (Revenue) Market Share in 2025

Figure 32. Global Programmable AI Accelerator Sales Quantity Market Share by Region (2021-2032)

Figure 33. Global Programmable AI Accelerator Consumption Value Market Share by Region (2021-2032)

Figure 34. North America Programmable AI Accelerator Consumption Value (2021-2032) & (USD Million)

Figure 35. Europe Programmable AI Accelerator Consumption Value (2021-2032) & (USD Million)

Figure 36. Asia-Pacific Programmable AI Accelerator Consumption Value (2021-2032) & (USD Million)

Figure 37. South America Programmable AI Accelerator Consumption Value (2021-2032) & (USD Million)

Figure 38. Middle East & Africa Programmable AI Accelerator Consumption Value (2021-2032) & (USD Million)

Figure 39. Global Programmable AI Accelerator Sales Quantity Market Share by Type (2021-2032)

Figure 40. Global Programmable AI Accelerator Consumption Value Market Share by Type (2021-2032)

Figure 41. Global Programmable AI Accelerator Average Price by Type (2021-2032) & (US\$/Unit)

Figure 42. Global Programmable AI Accelerator Sales Quantity Market Share by Application (2021-2032)

Figure 43. Global Programmable AI Accelerator Revenue Market Share by Application (2021-2032)

Figure 44. Global Programmable AI Accelerator Average Price by Application (2021-2032) & (US\$/Unit)

Figure 45. North America Programmable AI Accelerator Sales Quantity Market Share by Type (2021-2032)

Figure 46. North America Programmable AI Accelerator Sales Quantity Market Share by

Application (2021-2032)

Figure 47. North America Programmable AI Accelerator Sales Quantity Market Share by Country (2021-2032)

Figure 48. North America Programmable AI Accelerator Consumption Value Market Share by Country (2021-2032)

Figure 49. United States Programmable AI Accelerator Consumption Value (2021-2032) & (USD Million)

Figure 50. Canada Programmable AI Accelerator Consumption Value (2021-2032) & (USD Million)

Figure 51. Mexico Programmable AI Accelerator Consumption Value (2021-2032) & (USD Million)

Figure 52. Europe Programmable AI Accelerator Sales Quantity Market Share by Type (2021-2032)

Figure 53. Europe Programmable AI Accelerator Sales Quantity Market Share by Application (2021-2032)

Figure 54. Europe Programmable AI Accelerator Sales Quantity Market Share by Country (2021-2032)

Figure 55. Europe Programmable AI Accelerator Consumption Value Market Share by Country (2021-2032)

Figure 56. Germany Programmable AI Accelerator Consumption Value (2021-2032) & (USD Million)

Figure 57. France Programmable AI Accelerator Consumption Value (2021-2032) & (USD Million)

Figure 58. United Kingdom Programmable AI Accelerator Consumption Value (2021-2032) & (USD Million)

Figure 59. Russia Programmable AI Accelerator Consumption Value (2021-2032) & (USD Million)

Figure 60. Italy Programmable AI Accelerator Consumption Value (2021-2032) & (USD Million)

Figure 61. Asia-Pacific Programmable AI Accelerator Sales Quantity Market Share by Type (2021-2032)

Figure 62. Asia-Pacific Programmable AI Accelerator Sales Quantity Market Share by Application (2021-2032)

Figure 63. Asia-Pacific Programmable AI Accelerator Sales Quantity Market Share by Region (2021-2032)

Figure 64. Asia-Pacific Programmable AI Accelerator Consumption Value Market Share by Region (2021-2032)

Figure 65. China Programmable AI Accelerator Consumption Value (2021-2032) & (USD Million)

Figure 66. Japan Programmable AI Accelerator Consumption Value (2021-2032) & (USD Million)

Figure 67. South Korea Programmable AI Accelerator Consumption Value (2021-2032) & (USD Million)

Figure 68. India Programmable AI Accelerator Consumption Value (2021-2032) & (USD Million)

Figure 69. Southeast Asia Programmable AI Accelerator Consumption Value (2021-2032) & (USD Million)

Figure 70. Australia Programmable AI Accelerator Consumption Value (2021-2032) & (USD Million)

Figure 71. South America Programmable AI Accelerator Sales Quantity Market Share by Type (2021-2032)

Figure 72. South America Programmable AI Accelerator Sales Quantity Market Share by Application (2021-2032)

Figure 73. South America Programmable AI Accelerator Sales Quantity Market Share by Country (2021-2032)

Figure 74. South America Programmable AI Accelerator Consumption Value Market Share by Country (2021-2032)

Figure 75. Brazil Programmable AI Accelerator Consumption Value (2021-2032) & (USD Million)

Figure 76. Argentina Programmable AI Accelerator Consumption Value (2021-2032) & (USD Million)

Figure 77. Middle East & Africa Programmable AI Accelerator Sales Quantity Market Share by Type (2021-2032)

Figure 78. Middle East & Africa Programmable AI Accelerator Sales Quantity Market Share by Application (2021-2032)

Figure 79. Middle East & Africa Programmable AI Accelerator Sales Quantity Market Share by Country (2021-2032)

Figure 80. Middle East & Africa Programmable AI Accelerator Consumption Value Market Share by Country (2021-2032)

Figure 81. Turkey Programmable AI Accelerator Consumption Value (2021-2032) & (USD Million)

Figure 82. Egypt Programmable AI Accelerator Consumption Value (2021-2032) & (USD Million)

Figure 83. Saudi Arabia Programmable AI Accelerator Consumption Value (2021-2032) & (USD Million)

Figure 84. South Africa Programmable AI Accelerator Consumption Value (2021-2032) & (USD Million)

Figure 85. Programmable AI Accelerator Market Drivers

Figure 86. Programmable AI Accelerator Market Restraints

Figure 87. Programmable AI Accelerator Market Trends

Figure 88. Porters Five Forces Analysis

Figure 89. Manufacturing Cost Structure Analysis of Programmable AI Accelerator in 2025

Figure 90. Manufacturing Process Analysis of Programmable AI Accelerator

Figure 91. Programmable AI Accelerator Industrial Chain

Figure 92. Sales Channel: Direct to End-User vs Distributors

Figure 93. Direct Channel Pros & Cons

Figure 94. Indirect Channel Pros & Cons

Figure 95. Methodology

Figure 96. Research Process and Data Source

I would like to order

Product name: Global Programmable AI Accelerator Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

Product link: <https://marketpublishers.com/r/GA84E6D0F5CCEN.html>

Price: US\$ 3,480.00 (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/GA84E6D0F5CCEN.html>