



Global AI Computing Modules Market by Size, by Type, by Application, by Region, History and Forecast 2021-2032

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Electronics & Semiconductor	2026-07-07	198	PDF

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Description

The global AI Computing Modules market is projected to grow from US\$ million in 2026 to US\$ million by 2032, implying a CAGR of % over 2026-2032.

The US & Canada market for AI Computing Modules is projected to increase from US\$ million in 2026 to US\$ million by 2032, at a CAGR of % over 2026-2032.

The Europe market for AI Computing Modules is projected to increase from US\$ million in 2026 to US\$ million by 2032, at a CAGR of % over 2026-2032.

The Asia Pacific market for AI Computing Modules is projected to increase from US\$ million in 2026 to US\$ million by 2032, at a CAGR of % over 2026-2032.

The China market for AI Computing Modules is projected to increase from US\$ million in 2026 to US\$ million by 2032, at a CAGR of % over 2026-2032.

Leading global manufacturers of AI Computing Modules include NVIDIA, Intel, Qualcomm, AMD, Google, Apple, Micron Technology, Cerebras Systems and Mythic AI, among others. In 2025, the top three vendors together accounted for approximately % of global revenue.

On the production side, the report examines AI Computing Modules output, growth rates, and market shares by manufacturer and by region (at regional and country level) for 2021-2026, with forecasts through 2032.

On the consumption side, the report analyzes sales of AI Computing Modules by region (regional and country level), company, type, and application for 2021-2026 and provides forecasts through 2032.

The report provides an overview of the global AI Computing Modules market in terms of capacity, output, revenue, and price, analyzing global market trends using historical revenue and sales data for 2021-2025, estimates for 2026, and projected CAGRs through 2032.

The study covers key producers of AI Computing Modules and consumption patterns in major regions and countries, assesses future market potential, and highlights priority regions and countries for segmenting the market into sub-sectors, with country-specific market value data for the U.S., Canada, Mexico, Brazil, China, Japan, South Korea, Southeast Asia, India, Germany, the U.K., Italy, the Middle East, Africa, and other countries.

The report also presents AI Computing Modules sales, revenue, market share, and industry ranking for the main manufacturers for 2021-2026, identifies the major stakeholders in the global market, and analyzes their competitive landscape and market positioning based on recent developments and segmental revenues.

In addition, the report analyzes segment data by type and application—covering sales, revenue, and price—for 2021-2032, and evaluates and forecasts the AI Computing Modules market size, projected growth trends, production technologies, key applications, and end-use industries.

AI Computing Modules Segment by Company

NVIDIA
Intel
Qualcomm
AMD
Google
Apple
Micron Technology
Cerebras Systems
Mythic AI
Kneron
Graphcore
Arm Holdings
NXP Semiconductors
Baikal Electronics
Samsung
MediaTek
Huawei
Rockchip

AI Computing Modules Segment by Type

GPU-based AI Modules
TPU-based AI Modules
FPGA-based AI Modules
ASIC-based AI Modules

AI Computing Modules Segment by Application

Data Centers
Autonomous Vehicles
Medical Devices
Telecommunications
Financial Services
Retail & E-commerce
Industrial Automation
Smart Cities
Others

AI Computing Modules Segment by Region

North America
United States
Canada
Mexico
Europe
Germany
France
U.K.
Italy
Russia
Spain

Netherlands

Switzerland

Sweden

Poland

Asia-Pacific

China

Japan

South Korea

India

Australia

Taiwan

Southeast Asia

South America

Brazil

Argentina

Chile

Middle East & Africa

Egypt

South Africa

Israel

Türkiye

GCC Countries

Study Objectives

1. To analyze and research the global status and future forecast, involving, production, value, consumption, growth rate (CAGR), market share, historical and forecast.
2. To present the key manufacturers, capacity, production, revenue, market share, and Recent Developments.
3. To split the breakdown data by regions, type, manufacturers, and Application.
4. To analyze the global and key regions market potential and advantage, opportunity and challenge, restraints, and risks.
5. To identify significant trends, drivers, influence factors in global and regions.
6. To analyze competitive developments such as expansions, agreements, new product launches, and acquisitions in the market.

Reasons to Buy This Report

1. This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global AI Computing Modules market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.
2. This report will help stakeholders to understand the global industry status and trends of AI Computing Modules and provides them with information on key market drivers, restraints, challenges, and opportunities.
3. This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in volume and value), competitor ecosystem, new product development, expansion, and acquisition.
4. This report stays updated with novel technology integration, features, and the latest developments in the market.
5. This report helps stakeholders to gain insights into which regions to target globally.
6. This report helps stakeholders to gain insights into the end-user perception concerning the adoption of AI Computing Modules.

7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

Chapter Outline

Chapter 1:

Provides an overview of the AI Computing Modules market, including product definition, global market growth prospects, production value, capacity, and average price forecasts (2021-2032).

Chapter 2:

Analysis key trends, drivers, challenges, and opportunities within the global AI Computing Modules industry.

Chapter 3:

Detailed analysis of AI Computing Modules market competition landscape. Including AI Computing Modules manufacturers' output value, output and average price from 2021 to 2026, as well as competition analysis indicators such as origin, product type, application, merger and acquisition information, etc.

Chapter 4:

Provides the analysis of various market segments by type, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 5:

Provides the analysis of various market segments by application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 6:

Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product production/output, value, price, gross margin, product introduction, recent development, etc.

Chapter 7:

Production/Production Value of AI Computing Modules by region. It provides a quantitative analysis of the market size and development potential of each region in the next six years.

Chapter 8:

Consumption of AI Computing Modules in regional level and country level. It provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and production of each country in the world.

Chapter 9:

Analysis of industrial chain, including the upstream and downstream of the industry.

Chapter 10:

Concluding Insights of the report.

Table of Contents

1 Market Overview

- 1.1 Product Definition
- 1.2 Global Market Growth Prospects
 - 1.2.1 Global AI Computing Modules Production Value Estimates and Forecasts (2021-2032)
 - 1.2.2 Global AI Computing Modules Production Capacity Estimates and Forecasts (2021-2032)
 - 1.2.3 Global AI Computing Modules Production Estimates and Forecasts (2021-2032)
 - 1.2.4 Global AI Computing Modules Market Average Price (2021-2032)
- 1.3 Assumptions and Limitations
- 1.4 Study Goals and Objectives

2 Global AI Computing Modules Market Dynamics

- 2.1 AI Computing Modules Industry Trends
- 2.2 AI Computing Modules Industry Drivers
- 2.3 AI Computing Modules Industry Opportunities and Challenges
- 2.4 AI Computing Modules Industry Restraints

3 AI Computing Modules Market by Manufacturers

- 3.1 Global AI Computing Modules Production Value by Manufacturers (2021-2026)
- 3.2 Global AI Computing Modules Production by Manufacturers (2021-2026)
- 3.3 Global AI Computing Modules Average Price by Manufacturers (2021-2026)
- 3.4 Global AI Computing Modules Industry Manufacturers Ranking, 2024 VS 2025 VS 2026
- 3.5 Global AI Computing Modules Key Manufacturers Manufacturing Sites & Headquarters
- 3.6 Global AI Computing Modules Manufacturers, Product Type & Application
- 3.7 Global AI Computing Modules Manufacturers Established Date
- 3.8 Market Competitive Analysis
 - 3.8.1 Global AI Computing Modules Market CR5 and HHI
 - 3.8.2 Global Top 5 and 10 AI Computing Modules Players Market Share by Production Value in 2025
 - 3.8.3 2025 AI Computing Modules Tier 1, Tier 2, and Tier 3

4 AI Computing Modules Market by Type

- 4.1 AI Computing Modules Type Introduction
 - 4.1.1 GPU-based AI Modules
 - 4.1.2 TPU-based AI Modules
 - 4.1.3 FPGA-based AI Modules
 - 4.1.4 ASIC-based AI Modules
- 4.2 Global AI Computing Modules Production by Type
 - 4.2.1 Global AI Computing Modules Production by Type (2021 VS 2025 VS 2032)
 - 4.2.2 Global AI Computing Modules Production by Type (2021-2032)
 - 4.2.3 Global AI Computing Modules Production Market Share by Type (2021-2032)
- 4.3 Global AI Computing Modules Production Value by Type
 - 4.3.1 Global AI Computing Modules Production Value by Type (2021 VS 2025 VS 2032)
 - 4.3.2 Global AI Computing Modules Production Value by Type (2021-2032)
 - 4.3.3 Global AI Computing Modules Production Value Market Share by Type (2021-2032)

5 AI Computing Modules Market by Application

- 5.1 AI Computing Modules Application Introduction

5.1.1 Data Centers

5.1.2 Autonomous Vehicles

5.1.3 Medical Devices

5.1.4 Telecommunications

5.1.5 Financial Services

5.1.6 Retail & E-commerce

5.1.7 Industrial Automation

5.1.8 Smart Cities

5.1.9 Others

5.2 Global AI Computing Modules Production by Application

5.2.1 Global AI Computing Modules Production by Application (2021 VS 2025 VS 2032)

5.2.2 Global AI Computing Modules Production by Application (2021-2032)

5.2.3 Global AI Computing Modules Production Market Share by Application (2021-2032)

5.3 Global AI Computing Modules Production Value by Application

5.3.1 Global AI Computing Modules Production Value by Application (2021 VS 2025 VS 2032)

5.3.2 Global AI Computing Modules Production Value by Application (2021-2032)

5.3.3 Global AI Computing Modules Production Value Market Share by Application (2021-2032)

6 Company Profiles

6.1 NVIDIA

6.1.1 NVIDIA Company Information

6.1.2 NVIDIA Business Overview

6.1.3 NVIDIA AI Computing Modules Production, Value and Gross Margin (2021-2026)

6.1.4 NVIDIA AI Computing Modules Product Portfolio

6.1.5 NVIDIA Recent Developments

6.2 Intel

6.2.1 Intel Company Information

6.2.2 Intel Business Overview

6.2.3 Intel AI Computing Modules Production, Value and Gross Margin (2021-2026)

6.2.4 Intel AI Computing Modules Product Portfolio

6.2.5 Intel Recent Developments

6.3 Qualcomm

6.3.1 Qualcomm Company Information

6.3.2 Qualcomm Business Overview

6.3.3 Qualcomm AI Computing Modules Production, Value and Gross Margin (2021-2026)

6.3.4 Qualcomm AI Computing Modules Product Portfolio

6.3.5 Qualcomm Recent Developments

6.4 AMD

6.4.1 AMD Company Information

6.4.2 AMD Business Overview

6.4.3 AMD AI Computing Modules Production, Value and Gross Margin (2021-2026)

6.4.4 AMD AI Computing Modules Product Portfolio

6.4.5 AMD Recent Developments

6.5 Google

6.5.1 Google Company Information

6.5.2 Google Business Overview

6.5.3 Google AI Computing Modules Production, Value and Gross Margin (2021-2026)

6.5.4 Google AI Computing Modules Product Portfolio

6.5.5 Google Recent Developments

6.6 Apple

- 6.6.1 Apple Company Information
- 6.6.2 Apple Business Overview
- 6.6.3 Apple AI Computing Modules Production, Value and Gross Margin (2021-2026)
- 6.6.4 Apple AI Computing Modules Product Portfolio
- 6.6.5 Apple Recent Developments

6.7 Micron Technology

- 6.7.1 Micron Technology Company Information
- 6.7.2 Micron Technology Business Overview
- 6.7.3 Micron Technology AI Computing Modules Production, Value and Gross Margin (2021-2026)
- 6.7.4 Micron Technology AI Computing Modules Product Portfolio
- 6.7.5 Micron Technology Recent Developments

6.8 Cerebras Systems

- 6.8.1 Cerebras Systems Company Information
- 6.8.2 Cerebras Systems Business Overview
- 6.8.3 Cerebras Systems AI Computing Modules Production, Value and Gross Margin (2021-2026)
- 6.8.4 Cerebras Systems AI Computing Modules Product Portfolio
- 6.8.5 Cerebras Systems Recent Developments

6.9 Mythic AI

- 6.9.1 Mythic AI Company Information
- 6.9.2 Mythic AI Business Overview
- 6.9.3 Mythic AI AI Computing Modules Production, Value and Gross Margin (2021-2026)
- 6.9.4 Mythic AI AI Computing Modules Product Portfolio
- 6.9.5 Mythic AI Recent Developments

6.10 Kneron

- 6.10.1 Kneron Company Information
- 6.10.2 Kneron Business Overview
- 6.10.3 Kneron AI Computing Modules Production, Value and Gross Margin (2021-2026)
- 6.10.4 Kneron AI Computing Modules Product Portfolio
- 6.10.5 Kneron Recent Developments

6.11 Graphcore

- 6.11.1 Graphcore Company Information
- 6.11.2 Graphcore Business Overview
- 6.11.3 Graphcore AI Computing Modules Production, Value and Gross Margin (2021-2026)
- 6.11.4 Graphcore AI Computing Modules Product Portfolio
- 6.11.5 Graphcore Recent Developments

6.12 Arm Holdings

- 6.12.1 Arm Holdings Company Information
- 6.12.2 Arm Holdings Business Overview
- 6.12.3 Arm Holdings AI Computing Modules Production, Value and Gross Margin (2021-2026)
- 6.12.4 Arm Holdings AI Computing Modules Product Portfolio
- 6.12.5 Arm Holdings Recent Developments

6.13 NXP Semiconductors

- 6.13.1 NXP Semiconductors Company Information
- 6.13.2 NXP Semiconductors Business Overview
- 6.13.3 NXP Semiconductors AI Computing Modules Production, Value and Gross Margin (2021-2026)
- 6.13.4 NXP Semiconductors AI Computing Modules Product Portfolio
- 6.13.5 NXP Semiconductors Recent Developments

6.14 Baikal Electronics

6.14.1 Baikal Electronics Company Information

6.14.2 Baikal Electronics Business Overview

6.14.3 Baikal Electronics AI Computing Modules Production, Value and Gross Margin (2021-2026)

6.14.4 Baikal Electronics AI Computing Modules Product Portfolio

6.14.5 Baikal Electronics Recent Developments

6.15 Samsung

6.15.1 Samsung Company Information

6.15.2 Samsung Business Overview

6.15.3 Samsung AI Computing Modules Production, Value and Gross Margin (2021-2026)

6.15.4 Samsung AI Computing Modules Product Portfolio

6.15.5 Samsung Recent Developments

6.16 MediaTek

6.16.1 MediaTek Company Information

6.16.2 MediaTek Business Overview

6.16.3 MediaTek AI Computing Modules Production, Value and Gross Margin (2021-2026)

6.16.4 MediaTek AI Computing Modules Product Portfolio

6.16.5 MediaTek Recent Developments

6.17 Huawei

6.17.1 Huawei Company Information

6.17.2 Huawei Business Overview

6.17.3 Huawei AI Computing Modules Production, Value and Gross Margin (2021-2026)

6.17.4 Huawei AI Computing Modules Product Portfolio

6.17.5 Huawei Recent Developments

6.18 Rockchip

6.18.1 Rockchip Company Information

6.18.2 Rockchip Business Overview

6.18.3 Rockchip AI Computing Modules Production, Value and Gross Margin (2021-2026)

6.18.4 Rockchip AI Computing Modules Product Portfolio

6.18.5 Rockchip Recent Developments

7 Global AI Computing Modules Production by Region

7.1 Global AI Computing Modules Production by Region: 2021 VS 2025 VS 2032

7.2 Global AI Computing Modules Production by Region (2021-2032)

7.2.1 Global AI Computing Modules Production by Region (2021-2026)

7.2.2 Global AI Computing Modules Production Forecast by Region (2027-2032)

7.3 Global AI Computing Modules Production by Region: 2021 VS 2025 VS 2032

7.4 Global AI Computing Modules Production Value by Region (2021-2032)

7.4.1 Global AI Computing Modules Production Value by Region (2021-2026)

7.4.2 Global AI Computing Modules Production Value by Region (2027-2032)

7.5 Global AI Computing Modules Market Price Analysis by Region (2021-2032)

7.6 Regional Production Value Trends (2021-2032)

7.6.1 North America AI Computing Modules Production Value (2021-2032)

7.6.2 Europe AI Computing Modules Production Value (2021-2032)

7.6.3 Asia-Pacific AI Computing Modules Production Value (2021-2032)

7.6.4 South America AI Computing Modules Production Value (2021-2032)

7.6.5 Middle East & Africa AI Computing Modules Production Value (2021-2032)

8 Global AI Computing Modules Consumption by Region

- 8.1 Global AI Computing Modules Consumption by Region: 2021 VS 2025 VS 2032
 - 8.2 Global AI Computing Modules Consumption by Region (2021-2032)
 - 8.2.1 Global AI Computing Modules Consumption by Region (2021-2026)
 - 8.2.2 Global AI Computing Modules Consumption by Region (2027-2032)
 - 8.3 North America
 - 8.3.1 North America AI Computing Modules Consumption Growth Rate by Country: 2021 VS 2025 VS 2032
 - 8.3.2 North America AI Computing Modules Consumption by Country (2021-2032)
 - 8.3.3 U.S.
 - 8.3.4 Canada
 - 8.3.5 Mexico
 - 8.4 Europe
 - 8.4.1 Europe AI Computing Modules Consumption Growth Rate by Country: 2021 VS 2025 VS 2032
 - 8.4.2 Europe AI Computing Modules Consumption by Country (2021-2032)
 - 8.4.3 Germany
 - 8.4.4 France
 - 8.4.5 U.K.
 - 8.4.6 Italy
 - 8.4.7 Netherlands
 - 8.5 Asia Pacific
 - 8.5.1 Asia Pacific AI Computing Modules Consumption Growth Rate by Country: 2021 VS 2025 VS 2032
 - 8.5.2 Asia Pacific AI Computing Modules Consumption by Country (2021-2032)
 - 8.5.3 China
 - 8.5.4 Japan
 - 8.5.5 South Korea
 - 8.5.6 Southeast Asia
 - 8.5.7 India
 - 8.5.8 Australia
 - 8.6 South America
 - 8.6.1 South America AI Computing Modules Consumption Growth Rate by Country: 2021 VS 2025 VS 2032
 - 8.6.2 South America AI Computing Modules Consumption by Country (2021-2032)
 - 8.6.3 Brazil
 - 8.6.4 Argentina
 - 8.6.5 Chile
 - 8.6.6 Colombia
 - 8.7 Middle East & Africa
 - 8.7.1 Middle East & Africa AI Computing Modules Consumption Growth Rate by Country: 2021 VS 2025 VS 2032
 - 8.7.2 Middle East & Africa AI Computing Modules Consumption by Country (2021-2032)
 - 8.7.3 Egypt
 - 8.7.4 South Africa
 - 8.7.5 Israel
 - 8.7.6 Türkiye
 - 8.7.7 GCC Countries

9 Value Chain and Sales Channels Analysis

- 9.1 AI Computing Modules Value Chain Analysis
 - 9.1.1 AI Computing Modules Key Raw Materials
 - 9.1.2 Raw Materials Key Suppliers
 - 9.1.3 Manufacturing Cost Structure
 - 9.1.4 AI Computing Modules Production Mode & Process

- 9.2 AI Computing Modules Sales Channels Analysis
 - 9.2.1 Direct Comparison with Distribution Share
 - 9.2.2 AI Computing Modules Distributors
 - 9.2.3 AI Computing Modules Customers

10 Concluding Insights

11 Appendix

- 11.1 Reasons for Doing This Study
- 11.2 Research Methodology
- 11.3 Research Process
- 11.4 Authors List of This Report
- 11.5 Data Source
 - 11.5.1 Secondary Sources
 - 11.5.2 Primary Sources
- 11.6 Disclaimer

List of Tables and Figures

List of Tables:

- Table 1: AI Computing Modules Industry Trends
- Table 2: AI Computing Modules Industry Drivers
- Table 3: AI Computing Modules Industry Opportunities and Challenges
- Table 4: AI Computing Modules Industry Restraints
- Table 5: Global AI Computing Modules Production Value by Manufacturers (US\$ Million) & (2021-2026)
- Table 6: Global AI Computing Modules Production Value Share by Manufacturers (2021-2026)
- Table 7: Global AI Computing Modules Production by Manufacturers (k units) & (2021-2026)
- Table 8: Global AI Computing Modules Production Market Share by Manufacturers
- Table 9: Global AI Computing Modules Average Price (USD/unit) of Manufacturers (2021-2026)
- Table 10: Global AI Computing Modules Industry Manufacturers Ranking, 2024 VS 2025 VS 2026
- Table 11: Global AI Computing Modules Key Manufacturers Manufacturing Sites & Headquarters
- Table 12: Global AI Computing Modules Manufacturers, Product Type & Application
- Table 13: Global AI Computing Modules Manufacturers Established Date
- Table 14: Global Manufacturers Market Concentration Ratio (CR5 and HHI)
- Table 15: Global AI Computing Modules by Manufacturers Type (Tier 1, Tier 2, and Tier 3) & (based on the Production Value of 2025)
- Table 16: Major Manufacturers of GPU-based AI Modules
- Table 17: Major Manufacturers of TPU-based AI Modules
- Table 18: Major Manufacturers of FPGA-based AI Modules
- Table 19: Major Manufacturers of ASIC-based AI Modules
- Table 20: Global AI Computing Modules Production by Type 2021 VS 2025 VS 2032 (k units)
- Table 21: Global AI Computing Modules Production by Type (2021-2026) & (k units)
- Table 22: Global AI Computing Modules Production by Type (2027-2032) & (k units)
- Table 23: Global AI Computing Modules Production Market Share by Type (2021-2026)
- Table 24: Global AI Computing Modules Production Market Share by Type (2027-2032)
- Table 25: Global AI Computing Modules Production Value by Type 2021 VS 2025 VS 2032 (k units)
- Table 26: Global AI Computing Modules Production Value by Type (2021-2026) & (k units)
- Table 27: Global AI Computing Modules Production Value by Type (2027-2032) & (k units)
- Table 28: Global AI Computing Modules Production Value Market Share by Type (2021-2026)
- Table 29: Global AI Computing Modules Production Value Market Share by Type (2027-2032)
- Table 30: Major Manufacturers of Data Centers
- Table 31: Major Manufacturers of Autonomous Vehicles
- Table 32: Major Manufacturers of Medical Devices
- Table 33: Major Manufacturers of Telecommunications
- Table 34: Major Manufacturers of Financial Services
- Table 35: Major Manufacturers of Retail & E-commerce
- Table 36: Major Manufacturers of Industrial Automation
- Table 37: Major Manufacturers of Smart Cities
- Table 38: Major Manufacturers of Others
- Table 39: Global AI Computing Modules Production by Application 2021 VS 2025 VS 2032 (k units)
- Table 40: Global AI Computing Modules Production by Application (2021-2026) & (k units)
- Table 41: Global AI Computing Modules Production by Application (2027-2032) & (k units)
- Table 42: Global AI Computing Modules Production Market Share by Application (2021-2026)
- Table 43: Global AI Computing Modules Production Market Share by Application (2027-2032)
- Table 44: Global AI Computing Modules Production Value by Application 2021 VS 2025 VS 2032 (k units)
- Table 45: Global AI Computing Modules Production Value by Application (2021-2026) & (k units)
- Table 46: Global AI Computing Modules Production Value by Application (2027-2032) & (k units)
- Table 47: Global AI Computing Modules Production Value Market Share by Application (2021-2026)
- Table 48: Global AI Computing Modules Production Value Market Share by Application (2027-2032)
- Table 49: NVIDIA Company Information
- Table 50: NVIDIA Business Overview
- Table 51: NVIDIA AI Computing Modules Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 52: NVIDIA AI Computing Modules Product Portfolio
- Table 53: NVIDIA Recent Development

- [Table 54: Intel Company Information](#)
- [Table 55: Intel Business Overview](#)
- [Table 56: Intel AI Computing Modules Production \(k units\), Value \(US\\$ Million\), Price \(USD/unit\) and Gross Margin \(2021-2026\)](#)
- [Table 57: Intel AI Computing Modules Product Portfolio](#)
- [Table 58: Intel Recent Development](#)
- [Table 59: Qualcomm Company Information](#)
- [Table 60: Qualcomm Business Overview](#)
- [Table 61: Qualcomm AI Computing Modules Production \(k units\), Value \(US\\$ Million\), Price \(USD/unit\) and Gross Margin \(2021-2026\)](#)
- [Table 62: Qualcomm AI Computing Modules Product Portfolio](#)
- [Table 63: Qualcomm Recent Development](#)
- [Table 64: AMD Company Information](#)
- [Table 65: AMD Business Overview](#)
- [Table 66: AMD AI Computing Modules Production \(k units\), Value \(US\\$ Million\), Price \(USD/unit\) and Gross Margin \(2021-2026\)](#)
- [Table 67: AMD AI Computing Modules Product Portfolio](#)
- [Table 68: AMD Recent Development](#)
- [Table 69: Google Company Information](#)
- [Table 70: Google Business Overview](#)
- [Table 71: Google AI Computing Modules Production \(k units\), Value \(US\\$ Million\), Price \(USD/unit\) and Gross Margin \(2021-2026\)](#)
- [Table 72: Google AI Computing Modules Product Portfolio](#)
- [Table 73: Google Recent Development](#)
- [Table 74: Apple Company Information](#)
- [Table 75: Apple Business Overview](#)
- [Table 76: Apple AI Computing Modules Production \(k units\), Value \(US\\$ Million\), Price \(USD/unit\) and Gross Margin \(2021-2026\)](#)
- [Table 77: Apple AI Computing Modules Product Portfolio](#)
- [Table 78: Apple Recent Development](#)
- [Table 79: Micron Technology Company Information](#)
- [Table 80: Micron Technology Business Overview](#)
- [Table 81: Micron Technology AI Computing Modules Production \(k units\), Value \(US\\$ Million\), Price \(USD/unit\) and Gross Margin \(2021-2026\)](#)
- [Table 82: Micron Technology AI Computing Modules Product Portfolio](#)
- [Table 83: Micron Technology Recent Development](#)
- [Table 84: Cerebras Systems Company Information](#)
- [Table 85: Cerebras Systems Business Overview](#)
- [Table 86: Cerebras Systems AI Computing Modules Production \(k units\), Value \(US\\$ Million\), Price \(USD/unit\) and Gross Margin \(2021-2026\)](#)
- [Table 87: Cerebras Systems AI Computing Modules Product Portfolio](#)
- [Table 88: Cerebras Systems Recent Development](#)
- [Table 89: Mythic AI Company Information](#)
- [Table 90: Mythic AI Business Overview](#)
- [Table 91: Mythic AI AI Computing Modules Production \(k units\), Value \(US\\$ Million\), Price \(USD/unit\) and Gross Margin \(2021-2026\)](#)
- [Table 92: Mythic AI AI Computing Modules Product Portfolio](#)
- [Table 93: Mythic AI Recent Development](#)
- [Table 94: Kneron Company Information](#)
- [Table 95: Kneron Business Overview](#)
- [Table 96: Kneron AI Computing Modules Production \(k units\), Value \(US\\$ Million\), Price \(USD/unit\) and Gross Margin \(2021-2026\)](#)
- [Table 97: Kneron AI Computing Modules Product Portfolio](#)
- [Table 98: Kneron Recent Development](#)
- [Table 99: Graphcore Company Information](#)
- [Table 100: Graphcore Business Overview](#)
- [Table 101: Graphcore AI Computing Modules Production \(k units\), Value \(US\\$ Million\), Price \(USD/unit\) and Gross Margin \(2021-2026\)](#)
- [Table 102: Graphcore AI Computing Modules Product Portfolio](#)
- [Table 103: Graphcore Recent Development](#)
- [Table 104: Arm Holdings Company Information](#)
- [Table 105: Arm Holdings Business Overview](#)
- [Table 106: Arm Holdings AI Computing Modules Production \(k units\), Value \(US\\$ Million\), Price \(USD/unit\) and Gross Margin \(2021-2026\)](#)
- [Table 107: Arm Holdings AI Computing Modules Product Portfolio](#)

- Table 108: Arm Holdings Recent Development
- Table 109: NXP Semiconductors Company Information
- Table 110: NXP Semiconductors Business Overview
- Table 111: NXP Semiconductors AI Computing Modules Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 112: NXP Semiconductors AI Computing Modules Product Portfolio
- Table 113: NXP Semiconductors Recent Development
- Table 114: Baikal Electronics Company Information
- Table 115: Baikal Electronics Business Overview
- Table 116: Baikal Electronics AI Computing Modules Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 117: Baikal Electronics AI Computing Modules Product Portfolio
- Table 118: Baikal Electronics Recent Development
- Table 119: Samsung Company Information
- Table 120: Samsung Business Overview
- Table 121: Samsung AI Computing Modules Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 122: Samsung AI Computing Modules Product Portfolio
- Table 123: Samsung Recent Development
- Table 124: MediaTek Company Information
- Table 125: MediaTek Business Overview
- Table 126: MediaTek AI Computing Modules Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 127: MediaTek AI Computing Modules Product Portfolio
- Table 128: MediaTek Recent Development
- Table 129: Huawei Company Information
- Table 130: Huawei Business Overview
- Table 131: Huawei AI Computing Modules Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 132: Huawei AI Computing Modules Product Portfolio
- Table 133: Huawei Recent Development
- Table 134: Rockchip Company Information
- Table 135: Rockchip Business Overview
- Table 136: Rockchip AI Computing Modules Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 137: Rockchip AI Computing Modules Product Portfolio
- Table 138: Rockchip Recent Development
- Table 139: Global AI Computing Modules Production by Region: 2021 VS 2025 VS 2032 (k units)
- Table 140: Global AI Computing Modules Production by Region (2021-2026) & (k units)
- Table 141: Global AI Computing Modules Production Market Share by Region (2021-2026)
- Table 142: Global AI Computing Modules Production Forecast by Region (2027-2032) & (k units)
- Table 143: Global AI Computing Modules Production Market Share Forecast by Region (2027-2032)
- Table 144: Global AI Computing Modules Production Value Comparison by Region: 2021 VS 2025 VS 2032 (US\$ Million)
- Table 145: Global AI Computing Modules Production Value by Region (2021-2026) & (US\$ Million)
- Table 146: Global AI Computing Modules Production Value Share by Region (2021-2026)
- Table 147: Global AI Computing Modules Production Value by Region (2027-2032) & (US\$ Million)
- Table 148: Global AI Computing Modules Production Value Share by Region: (2027-2032) & (US\$ Million)
- Table 149: Global AI Computing Modules Market Average Price (USD/unit) by Region (2021-2026)
- Table 150: Global AI Computing Modules Market Average Price (USD/unit) by Region (2027-2032)
- Table 151: Global AI Computing Modules Consumption by Region: 2021 VS 2025 VS 2032 (k units)
- Table 152: Global AI Computing Modules Consumption by Region (2021-2026) & (k units)
- Table 153: Global AI Computing Modules Consumption Market Share by Region (2021-2026)
- Table 154: Global AI Computing Modules Consumption Forecasted by Region (2027-2032) & (k units)
- Table 155: Global AI Computing Modules Consumption Forecasted Market Share by Region (2027-2032)
- Table 156: North America AI Computing Modules Consumption Growth Rate by Country: 2021 VS 2025 VS 2032 (k units)
- Table 157: North America AI Computing Modules Consumption by Country (2021-2026) & (k units)
- Table 158: North America AI Computing Modules Consumption by Country (2027-2032) & (k units)
- Table 159: Europe AI Computing Modules Consumption Growth Rate by Country: 2021 VS 2025 VS 2032 (k units)
- Table 160: Europe AI Computing Modules Consumption by Country (2021-2026) & (k units)
- Table 161: Europe AI Computing Modules Consumption by Country (2027-2032) & (k units)
- Table 162: Asia Pacific AI Computing Modules Consumption Growth Rate by Country: 2021 VS 2025 VS 2032 (k units)
- Table 163: Asia Pacific AI Computing Modules Consumption by Country (2021-2026) & (k units)
- Table 164: Asia Pacific AI Computing Modules Consumption by Country (2027-2032) & (k units)
- Table 165: South America AI Computing Modules Consumption Growth Rate by Country: 2021 VS 2025 VS 2032 (k units)
- Table 166: South America AI Computing Modules Consumption by Country (2021-2026) & (k units)

- Table 167: South America AI Computing Modules Consumption by Country (2027-2032) & (k units)
- Table 168: Middle East & Africa AI Computing Modules Consumption Growth Rate by Country: 2021 VS 2025 VS 2032 (k units)
- Table 169: Middle East & Africa AI Computing Modules Consumption by Country (2021-2026) & (k units)
- Table 170: Middle East & Africa AI Computing Modules Consumption by Country (2027-2032) & (k units)
- Table 171: Key Raw Materials
- Table 172: Raw Materials Key Suppliers
- Table 173: AI Computing Modules Distributors List
- Table 174: AI Computing Modules Customers List
- Table 175: Research Programs/Design for This Report
- Table 176: Authors List of This Report
- Table 177: Secondary Sources
- Table 178: Primary Sources

List of Figures:

- Figure 1: AI Computing Modules Product Image
- Figure 2: Global AI Computing Modules Production Value (US\$ Million), 2021 VS 2025 VS 2032
- Figure 3: Global AI Computing Modules Production Value (2021-2032) & (US\$ Million)
- Figure 4: Global AI Computing Modules Production Capacity (2021-2032) & (k units)
- Figure 5: Global AI Computing Modules Production (2021-2032) & (k units)
- Figure 6: Global AI Computing Modules Average Price (USD/unit) & (2021-2032)
- Figure 7: Global Top 5 and 10 AI Computing Modules Players Market Share by Production Value in 2025
- Figure 8: Manufacturers Type (Tier 1, Tier 2, and Tier 3): 2021 VS 2025
- Figure 9: GPU-based AI Modules Image
- Figure 10: TPU-based AI Modules Image
- Figure 11: FPGA-based AI Modules Image
- Figure 12: ASIC-based AI Modules Image
- Figure 13: Global AI Computing Modules Production by Type (2021 VS 2025 VS 2032) & (k units)
- Figure 14: Global AI Computing Modules Production Market Share 2021 VS 2025 VS 2032
- Figure 15: Global AI Computing Modules Production Market Share by Type (2021-2032)
- Figure 16: Global AI Computing Modules Production Value by Type (2021 VS 2025 VS 2032) & (k units)
- Figure 17: Global AI Computing Modules Production Value Share 2021 VS 2025 VS 2032
- Figure 18: Global AI Computing Modules Production Value Share by Type (2021-2032)
- Figure 19: Data Centers Image
- Figure 20: Autonomous Vehicles Image
- Figure 21: Medical Devices Image
- Figure 22: Telecommunications Image
- Figure 23: Financial Services Image
- Figure 24: Retail & E-commerce Image
- Figure 25: Industrial Automation Image
- Figure 26: Smart Cities Image
- Figure 27: Others Image
- Figure 28: Global AI Computing Modules Production by Application (2021 VS 2025 VS 2032) & (k units)
- Figure 29: Global AI Computing Modules Production Market Share 2021 VS 2025 VS 2032
- Figure 30: Global AI Computing Modules Production Market Share by Application (2021-2032)
- Figure 31: Global AI Computing Modules Production Value by Application (2021 VS 2025 VS 2032) & (k units)
- Figure 32: Global AI Computing Modules Production Value Share 2021 VS 2025 VS 2032
- Figure 33: Global AI Computing Modules Production Value Share by Application (2021-2032)
- Figure 34: Global AI Computing Modules Production by Region: 2021 VS 2025 VS 2032 (k units)
- Figure 35: Global AI Computing Modules Production Market Share by Region: 2021 VS 2025 VS 2032
- Figure 36: Global AI Computing Modules Production Value Comparison by Region: 2021 VS 2025 VS 2032 (US\$ Million)
- Figure 37: Global AI Computing Modules Production Value Share by Region: 2021 VS 2025 VS 2032
- Figure 38: North America AI Computing Modules Production Value (2021-2032) & (US\$ Million)
- Figure 39: Europe AI Computing Modules Production Value (2021-2032) & (US\$ Million)
- Figure 40: Asia-Pacific AI Computing Modules Production Value (2021-2032) & (US\$ Million)
- Figure 41: South America AI Computing Modules Production Value (2021-2032) & (US\$ Million)
- Figure 42: Middle East & Africa AI Computing Modules Production Value (2021-2032) & (US\$ Million)
- Figure 43: North America AI Computing Modules Consumption and Growth Rate (2021-2032) & (k units)
- Figure 44: North America AI Computing Modules Consumption Market Share by Country (2021-2032)
- Figure 45: U.S. AI Computing Modules Consumption and Growth Rate (2021-2032) & (k units)
- Figure 46: Canada AI Computing Modules Consumption and Growth Rate (2021-2032) & (k units)
- Figure 47: Mexico AI Computing Modules Consumption and Growth Rate (2021-2032) & (k units)
- Figure 48: Europe AI Computing Modules Consumption and Growth Rate (2021-2032) & (k units)

- Figure 49: Europe AI Computing Modules Consumption Market Share by Country (2021-2032)
- Figure 50: Germany AI Computing Modules Consumption and Growth Rate (2021-2032) & (k units)
- Figure 51: France AI Computing Modules Consumption and Growth Rate (2021-2032) & (k units)
- Figure 52: U.K. AI Computing Modules Consumption and Growth Rate (2021-2032) & (k units)
- Figure 53: Italy AI Computing Modules Consumption and Growth Rate (2021-2032) & (k units)
- Figure 54: Netherlands AI Computing Modules Consumption and Growth Rate (2021-2032) & (k units)
- Figure 55: Asia Pacific AI Computing Modules Consumption and Growth Rate (2021-2032) & (k units)
- Figure 56: Asia Pacific AI Computing Modules Consumption Market Share by Country (2021-2032)
- Figure 57: China AI Computing Modules Consumption and Growth Rate (2021-2032) & (k units)
- Figure 58: Japan AI Computing Modules Consumption and Growth Rate (2021-2032) & (k units)
- Figure 59: South Korea AI Computing Modules Consumption and Growth Rate (2021-2032) & (k units)
- Figure 60: Southeast Asia AI Computing Modules Consumption and Growth Rate (2021-2032) & (k units)
- Figure 61: India AI Computing Modules Consumption and Growth Rate (2021-2032) & (k units)
- Figure 62: Australia AI Computing Modules Consumption and Growth Rate (2021-2032) & (k units)
- Figure 63: South America AI Computing Modules Consumption and Growth Rate (2021-2032) & (k units)
- Figure 64: South America AI Computing Modules Consumption Market Share by Country (2021-2032)
- Figure 65: Brazil AI Computing Modules Consumption and Growth Rate (2021-2032) & (k units)
- Figure 66: Argentina AI Computing Modules Consumption and Growth Rate (2021-2032) & (k units)
- Figure 67: Chile AI Computing Modules Consumption and Growth Rate (2021-2032) & (k units)
- Figure 68: Middle East & Africa AI Computing Modules Consumption and Growth Rate (2021-2032) & (k units)
- Figure 69: Middle East & Africa AI Computing Modules Consumption Market Share by Country (2021-2032)
- Figure 70: Egypt AI Computing Modules Consumption and Growth Rate (2021-2032) & (k units)
- Figure 71: South Africa AI Computing Modules Consumption and Growth Rate (2021-2032) & (k units)
- Figure 72: Israel AI Computing Modules Consumption and Growth Rate (2021-2032) & (k units)
- Figure 73: Türkiye AI Computing Modules Consumption and Growth Rate (2021-2032) & (k units)
- Figure 74: GCC Countries AI Computing Modules Consumption and Growth Rate (2021-2032) & (k units)
- Figure 75: AI Computing Modules Value Chain
- Figure 76: Manufacturing Cost Structure
- Figure 77: AI Computing Modules Production Mode & Process
- Figure 78: Direct Comparison with Distribution Share
- Figure 79: Distributors Profiles
- Figure 80: Years Considered
- Figure 81: Research Process
- Figure 82: Key Executives Interviewed