

AI Accelerator Chip Market - 2024-2032

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Abstracts

The AI Accelerator Chip Market was valued at US\$ 28.59 billion in 2024 and is anticipated to reach US\$ 283.13 billion by 2032, at a CAGR of 0.3319 from 2026 to 2032.

The report delivers in-depth insights into key market dynamics, including regional growth trends, market segmentation, CAGR projections, and the revenue performance of leading industry players. It also highlights major growth drivers shaping the market landscape. Designed to provide a clear and comprehensive perspective, the report offers a detailed view of the current market size in terms of both value and volume, along with emerging opportunities and the overall development outlook of the AI Accelerator Chip Market.

This report delivers a comprehensive overview of the AI Accelerator Chip Market, with both quantitative and qualitative analyses, to help readers develop growth strategies, assess the competitive landscape, evaluate their position in the current market, and make informed business decisions regarding AI Accelerator Chip Market. The AI Accelerator Chip Market size, estimates, and forecasts are provided in terms of output/shipments (K MT) and revenue (US\$ millions), with 2025 as the base year and historical and forecast data for 2024–2032.

AI Accelerator Chip Market Scope:

By Processing Type

Cloud

Edge

By Chip Type

Graphics Processing Unit (GPU)

Application-Specific Integrated Circuit (ASIC)

Field-Programmable Gate Array (FPGA)

Central Processing Unit (CPU)

Others

By Technology

Natural Language Processing (NLP)

Computer Vision

Network Security

Others

By End-User

Consumer Electronics

Automotive

Healthcare

IT & Telecom

Retail

Others

Key Players

NVIDIA Corporation

Google, Inc.

Advanced Micro Devices, Inc.

Intel Corporation

Amazon Web Services, Inc.

Huawei Technologies Co., Ltd.

Cerebras Systems Inc.

Graphcore Limited

Qualcomm Incorporated

SambaNova Systems, Inc.

Major Highlights

This report delivers a comprehensive overview of the AI Accelerator Chip Market, with both quantitative and qualitative analyses, to help readers develop growth strategies, assess the competitive landscape, evaluate their position in the current market, and make informed business decisions regarding AI Accelerator Chip Market. The AI Accelerator Chip Market size, estimates, and forecasts are provided in terms of output/shipments (K Sqm) and revenue (US\$ millions), with 2025 as the base year and historical and forecast data for 2024–2032.

This report will assist keyword manufacturers, new entrants, and companies across the industry value chain with information on revenues, production, and average prices for the overall market and its sub-segments, by company, by Type, by Application, and by region.

Regional Analysis:

North America (U.S., Canada, Mexico)

Europe (U.K., Italy, Germany, Russia, France, Spain, The Netherlands and Rest of Europe)

Asia-Pacific (India, Japan, China, South Korea, Australia, Indonesia Rest of Asia Pacific)

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

Middle East & Africa (Saudi Arabia, U.A.E., South Africa, Rest of Middle East & Africa)

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Target Audience 2026

Manufacturers/ Buyers

Industry Investors/Investment Bankers

Research Professionals

Emerging Companies

Contents

1. METHODOLOGY AND SCOPE

- 1.1. Research Methodology
- 1.2. Research Objective and Scope of the Report

2. DEFINITION AND OVERVIEW

3. EXECUTIVE SUMMARY

- 3.1. Snippet by Processing Type
- 3.2. Snippet by Chip Type
- 3.3. Snippet by Technology
- 3.4. Snippet by End-User
- 3.5. Snippet by Region

4. DYNAMICS

- 4.1. Impacting Factors
 - 4.1.1. Drivers
 - 4.1.1.1. Rising Integration of AI Accelerator Chips in Edge Devices for Real-Time Processing
 - 4.1.2. Restraints
 - 4.1.2.1. Supply Chain Vulnerabilities in Advanced Semiconductor Manufacturing Nodes
 - 4.1.3. Opportunity
 - 4.1.4. Impact Analysis

5. INDUSTRY ANALYSIS

- 5.1. Porter's Five Force Analysis
- 5.2. Supply Chain Analysis
- 5.3. Pricing Analysis
- 5.4. Regulatory Analysis
- 5.5. Technological Advancement Analysis
- 5.6. Industry Trend Analysis
- 5.7. DMI Opinion

6. BY PROCESSING TYPE

6.1. Introduction

6.1.1. Market Size Analysis and Y-o-Y Growth Analysis (%), By Processing Type

6.1.2. Market Attractiveness Index, By Processing Type

6.2. Cloud*

6.2.1. Introduction

6.2.2. Market Size Analysis and Y-o-Y Growth Analysis (%)

6.3. Edge

7. BY CHIP TYPE

7.1. Introduction

7.1.1. Market Size Analysis and Y-o-Y Growth Analysis (%), By Chip Type

7.1.2. Market Attractiveness Index, By Chip Type

7.2. Graphics Processing Unit (GPU)*

7.2.1. Introduction

7.2.2. Market Size Analysis and Y-o-Y Growth Analysis (%)

7.3. Application-Specific Integrated Circuit (ASIC)

7.4. Field-Programmable Gate Array (FPGA)

7.5. Central Processing Unit (CPU)

7.6. Others

8. BY TECHNOLOGY

8.1. Introduction

8.1.1. Market Size Analysis and Y-o-Y Growth Analysis (%), By Technology

8.1.2. Market Attractiveness Index, By Technology

8.2. Natural Language Processing (NLP)*

8.2.1. Introduction

8.2.2. Market Size Analysis and Y-o-Y Growth Analysis (%)

8.3. Computer Vision

8.4. Network Security

8.5. Others

9. BY END-USER

9.1. Introduction

9.1.1. Market Size Analysis and Y-o-Y Growth Analysis (%), By End-User

- 9.1.2. Market Attractiveness Index, By End-User
- 9.2. Consumer Electronics*
 - 9.2.1. Introduction
 - 9.2.2. Market Size Analysis and Y-o-Y Growth Analysis (%)
- 9.3. Automotive
- 9.4. Healthcare
- 9.5. IT & Telecom
- 9.6. Retail
- 9.7. Others

10. BY REGION

- 10.1. Introduction
 - 10.1.1. Market Size Analysis and Y-o-Y Growth Analysis (%), By Region
 - 10.1.2. Market Attractiveness Index, By Region
- 10.2. North America
 - 10.2.1. Introduction
 - 10.2.2. Key Region-Specific Dynamics
 - 10.2.3. Market Size Analysis and Y-o-Y Growth Analysis (%), By Processing Type
 - 10.2.4. Market Size Analysis and Y-o-Y Growth Analysis (%), By Chip Type
 - 10.2.5. Market Size Analysis and Y-o-Y Growth Analysis (%), By Technology
 - 10.2.6. Market Size Analysis and Y-o-Y Growth Analysis (%), By End-User
 - 10.2.7. Market Size Analysis and Y-o-Y Growth Analysis (%), By Country
 - 10.2.7.1. US
 - 10.2.7.2. Canada
 - 10.2.7.3. Mexico
- 10.3. Europe
 - 10.3.1. Introduction
 - 10.3.2. Key Region-Specific Dynamics
 - 10.3.3. Market Size Analysis and Y-o-Y Growth Analysis (%), By Processing Type
 - 10.3.4. Market Size Analysis and Y-o-Y Growth Analysis (%), By Chip Type
 - 10.3.5. Market Size Analysis and Y-o-Y Growth Analysis (%), By Technology
 - 10.3.6. Market Size Analysis and Y-o-Y Growth Analysis (%), By End-User
 - 10.3.7. Market Size Analysis and Y-o-Y Growth Analysis (%), By Country
 - 10.3.7.1. Germany
 - 10.3.7.2. UK
 - 10.3.7.3. France
 - 10.3.7.4. Italy
 - 10.3.7.5. Spain

10.3.7.6. Rest of Europe

10.4. South America

10.4.1. Introduction

10.4.2. Key Region-Specific Dynamics

10.4.3. Market Size Analysis and Y-o-Y Growth Analysis (%), By Processing Type

10.4.4. Market Size Analysis and Y-o-Y Growth Analysis (%), By Chip Type

10.4.5. Market Size Analysis and Y-o-Y Growth Analysis (%), By Technology

10.4.6. Market Size Analysis and Y-o-Y Growth Analysis (%), By End-User

10.4.7. Market Size Analysis and Y-o-Y Growth Analysis (%), By Country

10.4.7.1. Brazil

10.4.7.2. Argentina

10.4.7.3. Rest of South America

10.5. Asia-Pacific

10.5.1. Introduction

10.5.2. Key Region-Specific Dynamics

10.5.3. Market Size Analysis and Y-o-Y Growth Analysis (%), By Processing Type

10.5.4. Market Size Analysis and Y-o-Y Growth Analysis (%), By Chip Type

10.5.5. Market Size Analysis and Y-o-Y Growth Analysis (%), By Technology

10.5.6. Market Size Analysis and Y-o-Y Growth Analysis (%), By End-User

10.5.7. Market Size Analysis and Y-o-Y Growth Analysis (%), By Country

10.5.7.1. China

10.5.7.2. India

10.5.7.3. Japan

10.5.7.4. Australia

10.5.7.5. Rest of Asia-Pacific

10.6. Middle East and Africa

10.6.1. Introduction

10.6.2. Key Region-Specific Dynamics

10.6.3. Market Size Analysis and Y-o-Y Growth Analysis (%), By Processing Type

10.6.4. Market Size Analysis and Y-o-Y Growth Analysis (%), By Chip Type

10.6.5. Market Size Analysis and Y-o-Y Growth Analysis (%), By Technology

10.6.6. Market Size Analysis and Y-o-Y Growth Analysis (%), By End-User

11. COMPETITIVE LANDSCAPE

11.1. Competitive Scenario

11.2. Market Positioning/Share Analysis

11.3. Mergers and Acquisitions Analysis

12. COMPANY PROFILES

12.1. NVIDIA Corporation*

12.1.1. Company Overview

12.1.2. Product Portfolio and Description

12.1.3. Financial Overview

12.1.4. Key Developments

12.2. Google, Inc.

12.3. Advanced Micro Devices, Inc.

12.4. Intel Corporation

12.5. Amazon Web Services, Inc.

12.6. Huawei Technologies Co., Ltd.

12.7. Cerebras Systems Inc.

12.8. Graphcore Limited

12.9. Qualcomm Incorporated

12.10. SambaNova Systems, Inc. (*LIST NOT EXHAUSTIVE)

13. APPENDIX

13.1. About Us and Services

13.2. Contact Us

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