

Global Low-Latency AI Accelerator Chip Market Growth 2026-2032

<https://marketpublishers.com/r/G85491973F45EN.html>

Date: July 2026

Pages: 120

Price: US\$ 3,660.00 (Single User License)

ID: G85491973F45EN

Abstracts

The global Low-Latency AI Accelerator Chip market size is predicted to grow from US\$ 9887 million in 2025 to US\$ 25554 million in 2032; it is expected to grow at a CAGR of 11.0% from 2026 to 2032.

A low-latency AI accelerator chip is a specialized computing chip optimized for real-time inference, rapid response, and end-to-end deployment efficiency. Its core value lies in shortening the waiting time between an input request and the model output while maintaining stable inference throughput under constrained power, cost, and space conditions. These products are typically designed around matrix multiplication, tensor operations, attention computation, low-precision computing, on-chip memory scheduling, dataflow execution, compiler-based static optimization, and high-speed interconnects. They can be delivered as bare chips, accelerator cards, M.2 or PCIe modules, edge computing modules, or server nodes, and can also be embedded in cameras, robots, automotive computing platforms, industrial control equipment, and data center inference clusters. Typical customers include cloud service providers, internet platforms, generative AI application vendors, security and machine vision companies, autonomous driving firms, smart device manufacturers, and industrial automation integrators. As large-model applications shift from offline training to online inference, user experience, concurrent response, energy efficiency, and total cost of ownership are becoming core competitive metrics. Low-latency AI accelerator chips are therefore moving beyond peak compute alone toward time to first token, Batch Size One inference efficiency, model adaptability, software ecosystem strength, and scalable deployment capability.

The market value of low-latency AI accelerator chips is shifting from delivering higher compute to delivering faster usable response. As large-model and multimodal

applications move into online services, users are no longer focused only on peak single-card performance. They care more about time to first token, continuous generation speed, concurrency stability, Batch Size One inference efficiency, and output per watt. Traditional training workloads can improve hardware utilization through larger batches and longer queues, but real-time inference requires immediate response under small-batch or even single-request conditions. This makes on-chip memory, compiler scheduling, low-precision computing, high-speed interconnects, and model partitioning strategies central to product competition. The customer base is therefore expanding from cloud training clusters to cloud inference services, enterprise private deployments, edge vision devices, intelligent robots, autonomous driving computing platforms, and industrial control systems.

The technology roadmap for low-latency AI accelerator chips is becoming increasingly diversified. Data center products place greater emphasis on HBM, GDDR, high-speed interconnects, chiplets, rack-scale expansion, and inference service frameworks, with the goal of supporting high concurrency and lower cost per token for large-model services. Edge products place greater emphasis on compact size, low power consumption, local inference, visual perception, multi-sensor fusion, and offline operation, with the goal of reducing dependence on cloud transmission in cameras, robots, industrial equipment, and automotive systems. Dedicated architecture vendors often differentiate through dataflow execution, on-chip SRAM, static scheduling, reconfigurable computing, or near-memory computing, while platform vendors expand deployment through mature ecosystems, developer tools, cloud resources, and customer bases.

The growth outlook for low-latency AI accelerator chips is broadly optimistic because AI applications are moving from experimental calls to high-frequency production systems. Real-time Q&A, intelligent customer service, coding assistants, video search, industrial inspection, autonomous driving, and robotic control all require more stable inference response. The broader AI accelerator market is already in a high-growth phase, and low-latency inference chips, as a faster-growing subsegment, will benefit from cloud providers reducing inference cost, enterprises deploying private models, edge devices becoming intelligent, and governments and enterprises expanding computing infrastructure. In the long run, the key to this industry is not only producing chips, but also delivering deployable, maintainable, and quantifiably cost-saving inference systems for real application scenarios.

LP Information, Inc. (LPI) ' newest research report, the "Low-Latency AI Accelerator Chip Industry Forecast" looks at past sales and reviews total world Low-Latency AI

Accelerator Chip sales in 2025, providing a comprehensive analysis by region and market sector of projected Low-Latency AI Accelerator Chip sales for 2026 through 2032. With Low-Latency AI Accelerator Chip sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Low-Latency AI Accelerator Chip industry.

This Insight Report provides a comprehensive analysis of the global Low-Latency AI Accelerator Chip landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Low-Latency AI Accelerator Chip portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Low-Latency AI Accelerator Chip market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Low-Latency AI Accelerator Chip and breaks down the forecast by Primary Memory System, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Low-Latency AI Accelerator Chip.

This report presents a comprehensive overview, market shares, and growth opportunities of Low-Latency AI Accelerator Chip market by product type, application, key manufacturers and key regions and countries.

Segmentation by Primary Memory System:

On-Chip SRAM Chip

HBM Chip

GDDR Chip

DDR/LPDDR Chip

Hybrid Hierarchical Memory Chip

Segmentation by Delivery Form:

Bare Chip

Accelerator Card

Accelerator Module

Server Node

Segmentation by Computing Architecture:

Matrix and Tensor Processing Chip

Dataflow Inference Chip

Near-Memory Computing Chip

General-Purpose GPU Inference Chip

Segmentation by Application:

Real-Time Conversational Generation

Edge Visual Perception

Autonomous Driving Perception and Decision-Making

Industrial Robot Control

Video Analytics and Retrieval

Recommendation and Search Response

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

NVIDIA

AMD

Intel

Google

Qualcomm

Groq

Hailo

Axelera AI

EdgeCortex

FuriosaAI

Rebellions

Cambricon

SOPHGO

Ambarella

Key Questions Addressed in this Report

What is the 10-year outlook for the global Low-Latency AI Accelerator Chip market?

What factors are driving Low-Latency AI Accelerator Chip market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Low-Latency AI Accelerator Chip market opportunities vary by end market size?

How does Low-Latency AI Accelerator Chip break out by Primary Memory System, by Application?

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
 - 2.1.1 Global Low-Latency AI Accelerator Chip Annual Sales 2021-2032
 - 2.1.2 World Current & Future Analysis for Low-Latency AI Accelerator Chip by Geographic Region, 2021, 2025 & 2032
 - 2.1.3 World Current & Future Analysis for Low-Latency AI Accelerator Chip by Country/Region, 2021, 2025 & 2032
- 2.2 Low-Latency AI Accelerator Chip Segment by Primary Memory System
 - 2.2.1 On-Chip SRAM Chip
 - 2.2.2 HBM Chip
 - 2.2.3 GDDR Chip
 - 2.2.4 DDR/LPDDR Chip
 - 2.2.5 Hybrid Hierarchical Memory Chip
 - 2.2.6 Low-Latency AI Accelerator Chip Sales by Primary Memory System
 - 2.2.6.1 Global Low-Latency AI Accelerator Chip Sales Market Share by Primary Memory System (2021-2026)
 - 2.2.6.2 Global Low-Latency AI Accelerator Chip Revenue and Market Share by Primary Memory System (2021-2026)
 - 2.2.6.3 Global Low-Latency AI Accelerator Chip Sale Price by Primary Memory System (2021-2026)
- 2.3 Low-Latency AI Accelerator Chip Segment by Delivery Form
 - 2.3.1 Bare Chip
 - 2.3.2 Accelerator Card
 - 2.3.3 Accelerator Module
 - 2.3.4 Server Node

2.3.5 Low-Latency AI Accelerator Chip Sales by Delivery Form

2.3.5.1 Global Low-Latency AI Accelerator Chip Sales Market Share by Delivery Form (2021-2026)

2.3.5.2 Global Low-Latency AI Accelerator Chip Revenue and Market Share by Delivery Form (2021-2026)

2.3.5.3 Global Low-Latency AI Accelerator Chip Sale Price by Delivery Form (2021-2026)

2.4 Low-Latency AI Accelerator Chip Segment by Computing Architecture

2.4.1 Matrix and Tensor Processing Chip

2.4.2 Dataflow Inference Chip

2.4.3 Near-Memory Computing Chip

2.4.4 General-Purpose GPU Inference Chip

2.4.5 Low-Latency AI Accelerator Chip Sales by Computing Architecture

2.4.5.1 Global Low-Latency AI Accelerator Chip Sales Market Share by Computing Architecture (2021-2026)

2.4.5.2 Global Low-Latency AI Accelerator Chip Revenue and Market Share by Computing Architecture (2021-2026)

2.4.5.3 Global Low-Latency AI Accelerator Chip Sale Price by Computing Architecture (2021-2026)

2.5 Low-Latency AI Accelerator Chip Segment by Application

2.5.1 Real-Time Conversational Generation

2.5.2 Edge Visual Perception

2.5.3 Autonomous Driving Perception and Decision-Making

2.5.4 Industrial Robot Control

2.5.5 Video Analytics and Retrieval

2.5.6 Recommendation and Search Response

2.5.7 Low-Latency AI Accelerator Chip Sales by Application

2.5.7.1 Global Low-Latency AI Accelerator Chip Sale Market Share by Application (2021-2026)

2.5.7.2 Global Low-Latency AI Accelerator Chip Revenue and Market Share by Application (2021-2026)

2.5.7.3 Global Low-Latency AI Accelerator Chip Sale Price by Application (2021-2026)

3 GLOBAL BY COMPANY

3.1 Global Low-Latency AI Accelerator Chip Breakdown Data by Company

3.1.1 Global Low-Latency AI Accelerator Chip Annual Sales by Company (2021-2026)

3.1.2 Global Low-Latency AI Accelerator Chip Sales Market Share by Company

(2021-2026)

3.2 Global Low-Latency AI Accelerator Chip Annual Revenue by Company (2021-2026)

3.2.1 Global Low-Latency AI Accelerator Chip Revenue by Company (2021-2026)

3.2.2 Global Low-Latency AI Accelerator Chip Revenue Market Share by Company
(2021-2026)

3.3 Global Low-Latency AI Accelerator Chip Sale Price by Company

3.4 Key Manufacturers Low-Latency AI Accelerator Chip Producing Area Distribution,
Sales Area, Product Type

3.4.1 Key Manufacturers Low-Latency AI Accelerator Chip Product Location
Distribution

3.4.2 Players Low-Latency AI Accelerator Chip Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

3.6 New Products and Potential Entrants

3.7 Market M&A Activity & Strategy

4 WORLD HISTORIC REVIEW FOR LOW-LATENCY AI ACCELERATOR CHIP BY GEOGRAPHIC REGION

4.1 World Historic Low-Latency AI Accelerator Chip Market Size by Geographic Region
(2021-2026)

4.1.1 Global Low-Latency AI Accelerator Chip Annual Sales by Geographic Region
(2021-2026)

4.1.2 Global Low-Latency AI Accelerator Chip Annual Revenue by Geographic Region
(2021-2026)

4.2 World Historic Low-Latency AI Accelerator Chip Market Size by Country/Region
(2021-2026)

4.2.1 Global Low-Latency AI Accelerator Chip Annual Sales by Country/Region
(2021-2026)

4.2.2 Global Low-Latency AI Accelerator Chip Annual Revenue by Country/Region
(2021-2026)

4.3 Americas Low-Latency AI Accelerator Chip Sales Growth

4.4 APAC Low-Latency AI Accelerator Chip Sales Growth

4.5 Europe Low-Latency AI Accelerator Chip Sales Growth

4.6 Middle East & Africa Low-Latency AI Accelerator Chip Sales Growth

5 AMERICAS

5.1 Americas Low-Latency AI Accelerator Chip Sales by Country

5.1.1 Americas Low-Latency AI Accelerator Chip Sales by Country (2021-2026)

5.1.2 Americas Low-Latency AI Accelerator Chip Revenue by Country (2021-2026)

5.2 Americas Low-Latency AI Accelerator Chip Sales by Primary Memory System (2021-2026)

5.3 Americas Low-Latency AI Accelerator Chip Sales by Application (2021-2026)

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC Low-Latency AI Accelerator Chip Sales by Region

6.1.1 APAC Low-Latency AI Accelerator Chip Sales by Region (2021-2026)

6.1.2 APAC Low-Latency AI Accelerator Chip Revenue by Region (2021-2026)

6.2 APAC Low-Latency AI Accelerator Chip Sales by Primary Memory System (2021-2026)

6.3 APAC Low-Latency AI Accelerator Chip Sales by Application (2021-2026)

6.4 China

6.5 Japan

6.6 South Korea

6.7 Southeast Asia

6.8 India

6.9 Australia

6.10 China Taiwan

7 EUROPE

7.1 Europe Low-Latency AI Accelerator Chip by Country

7.1.1 Europe Low-Latency AI Accelerator Chip Sales by Country (2021-2026)

7.1.2 Europe Low-Latency AI Accelerator Chip Revenue by Country (2021-2026)

7.2 Europe Low-Latency AI Accelerator Chip Sales by Primary Memory System (2021-2026)

7.3 Europe Low-Latency AI Accelerator Chip Sales by Application (2021-2026)

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa Low-Latency AI Accelerator Chip by Country

8.1.1 Middle East & Africa Low-Latency AI Accelerator Chip Sales by Country (2021-2026)

8.1.2 Middle East & Africa Low-Latency AI Accelerator Chip Revenue by Country (2021-2026)

8.2 Middle East & Africa Low-Latency AI Accelerator Chip Sales by Primary Memory System (2021-2026)

8.3 Middle East & Africa Low-Latency AI Accelerator Chip Sales by Application (2021-2026)

8.4 Egypt

8.5 South Africa

8.6 Israel

8.7 Turkey

8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

10.1 Raw Material and Suppliers

10.2 Manufacturing Cost Structure Analysis of Low-Latency AI Accelerator Chip

10.3 Manufacturing Process Analysis of Low-Latency AI Accelerator Chip

10.4 Industry Chain Structure of Low-Latency AI Accelerator Chip

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 Low-Latency AI Accelerator Chip Distributors

11.3 Low-Latency AI Accelerator Chip Customer

12 WORLD FORECAST REVIEW FOR LOW-LATENCY AI ACCELERATOR CHIP BY GEOGRAPHIC REGION

12.1 Global Low-Latency AI Accelerator Chip Market Size Forecast by Region

12.1.1 Global Low-Latency AI Accelerator Chip Forecast by Region (2027-2032)

12.1.2 Global Low-Latency AI Accelerator Chip Annual Revenue Forecast by Region (2027-2032)

12.2 Americas Forecast by Country (2027-2032)

12.3 APAC Forecast by Region (2027-2032)

12.4 Europe Forecast by Country (2027-2032)

12.5 Middle East & Africa Forecast by Country (2027-2032)

12.6 Global Low-Latency AI Accelerator Chip Forecast by Primary Memory System (2027-2032)

12.7 Global Low-Latency AI Accelerator Chip Forecast by Application (2027-2032)

13 KEY PLAYERS ANALYSIS

13.1 NVIDIA

13.1.1 NVIDIA Company Information

13.1.2 NVIDIA Low-Latency AI Accelerator Chip Product Portfolios and Specifications

13.1.3 NVIDIA Low-Latency AI Accelerator Chip Sales, Revenue, Price and Gross Margin (2021-2026)

13.1.4 NVIDIA Main Business Overview

13.1.5 NVIDIA Latest Developments

13.2 AMD

13.2.1 AMD Company Information

13.2.2 AMD Low-Latency AI Accelerator Chip Product Portfolios and Specifications

13.2.3 AMD Low-Latency AI Accelerator Chip Sales, Revenue, Price and Gross Margin (2021-2026)

13.2.4 AMD Main Business Overview

13.2.5 AMD Latest Developments

13.3 Intel

13.3.1 Intel Company Information

13.3.2 Intel Low-Latency AI Accelerator Chip Product Portfolios and Specifications

13.3.3 Intel Low-Latency AI Accelerator Chip Sales, Revenue, Price and Gross Margin (2021-2026)

13.3.4 Intel Main Business Overview

13.3.5 Intel Latest Developments

13.4 Google

13.4.1 Google Company Information

13.4.2 Google Low-Latency AI Accelerator Chip Product Portfolios and Specifications

13.4.3 Google Low-Latency AI Accelerator Chip Sales, Revenue, Price and Gross Margin (2021-2026)

13.4.4 Google Main Business Overview

13.4.5 Google Latest Developments

13.5 Qualcomm

13.5.1 Qualcomm Company Information

13.5.2 Qualcomm Low-Latency AI Accelerator Chip Product Portfolios and Specifications

13.5.3 Qualcomm Low-Latency AI Accelerator Chip Sales, Revenue, Price and Gross Margin (2021-2026)

13.5.4 Qualcomm Main Business Overview

13.5.5 Qualcomm Latest Developments

13.6 Groq

13.6.1 Groq Company Information

13.6.2 Groq Low-Latency AI Accelerator Chip Product Portfolios and Specifications

13.6.3 Groq Low-Latency AI Accelerator Chip Sales, Revenue, Price and Gross Margin (2021-2026)

13.6.4 Groq Main Business Overview

13.6.5 Groq Latest Developments

13.7 Hailo

13.7.1 Hailo Company Information

13.7.2 Hailo Low-Latency AI Accelerator Chip Product Portfolios and Specifications

13.7.3 Hailo Low-Latency AI Accelerator Chip Sales, Revenue, Price and Gross Margin (2021-2026)

13.7.4 Hailo Main Business Overview

13.7.5 Hailo Latest Developments

13.8 Axelera AI

13.8.1 Axelera AI Company Information

13.8.2 Axelera AI Low-Latency AI Accelerator Chip Product Portfolios and Specifications

13.8.3 Axelera AI Low-Latency AI Accelerator Chip Sales, Revenue, Price and Gross Margin (2021-2026)

13.8.4 Axelera AI Main Business Overview

13.8.5 Axelera AI Latest Developments

13.9 EdgeCortex

13.9.1 EdgeCortex Company Information

- 13.9.2 EdgeCortex Low-Latency AI Accelerator Chip Product Portfolios and Specifications
- 13.9.3 EdgeCortex Low-Latency AI Accelerator Chip Sales, Revenue, Price and Gross Margin (2021-2026)
- 13.9.4 EdgeCortex Main Business Overview
- 13.9.5 EdgeCortex Latest Developments
- 13.10 FuriosaAI
 - 13.10.1 FuriosaAI Company Information
 - 13.10.2 FuriosaAI Low-Latency AI Accelerator Chip Product Portfolios and Specifications
 - 13.10.3 FuriosaAI Low-Latency AI Accelerator Chip Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.10.4 FuriosaAI Main Business Overview
 - 13.10.5 FuriosaAI Latest Developments
- 13.11 Rebellions
 - 13.11.1 Rebellions Company Information
 - 13.11.2 Rebellions Low-Latency AI Accelerator Chip Product Portfolios and Specifications
 - 13.11.3 Rebellions Low-Latency AI Accelerator Chip Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.11.4 Rebellions Main Business Overview
 - 13.11.5 Rebellions Latest Developments
- 13.12 Cambricon
 - 13.12.1 Cambricon Company Information
 - 13.12.2 Cambricon Low-Latency AI Accelerator Chip Product Portfolios and Specifications
 - 13.12.3 Cambricon Low-Latency AI Accelerator Chip Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.12.4 Cambricon Main Business Overview
 - 13.12.5 Cambricon Latest Developments
- 13.13 SOPHGO
 - 13.13.1 SOPHGO Company Information
 - 13.13.2 SOPHGO Low-Latency AI Accelerator Chip Product Portfolios and Specifications
 - 13.13.3 SOPHGO Low-Latency AI Accelerator Chip Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.13.4 SOPHGO Main Business Overview
 - 13.13.5 SOPHGO Latest Developments
- 13.14 Ambarella

13.14.1 Ambarella Company Information

13.14.2 Ambarella Low-Latency AI Accelerator Chip Product Portfolios and Specifications

13.14.3 Ambarella Low-Latency AI Accelerator Chip Sales, Revenue, Price and Gross Margin (2021-2026)

13.14.4 Ambarella Main Business Overview

13.14.5 Ambarella Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. Low-Latency AI Accelerator Chip Annual Sales CAGR by Geographic Region (2021, 2025 & 2032) & (\$ millions)

Table 2. Low-Latency AI Accelerator Chip Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & (\$ millions)

Table 3. Major Players of On-Chip SRAM Chip

Table 4. Major Players of HBM Chip

Table 5. Major Players of GDDR Chip

Table 6. Major Players of DDR/LPDDR Chip

Table 7. Major Players of Hybrid Hierarchical Memory Chip

Table 8. Global Low-Latency AI Accelerator Chip Sales by Primary Memory System (2021-2026) & (Million Units)

Table 9. Global Low-Latency AI Accelerator Chip Sales Market Share by Primary Memory System (2021-2026)

Table 10. Global Low-Latency AI Accelerator Chip Revenue by Primary Memory System (2021-2026) & (\$ million)

Table 11. Global Low-Latency AI Accelerator Chip Revenue Market Share by Primary Memory System (2021-2026)

Table 12. Global Low-Latency AI Accelerator Chip Sale Price by Primary Memory System (2021-2026) & (US\$/Unit)

Table 13. Major Players of Bare Chip

Table 14. Major Players of Accelerator Card

Table 15. Major Players of Accelerator Module

Table 16. Major Players of Server Node

Table 17. Global Low-Latency AI Accelerator Chip Sales by Delivery Form (2021-2026) & (Million Units)

Table 18. Global Low-Latency AI Accelerator Chip Sales Market Share by Delivery Form (2021-2026)

Table 19. Global Low-Latency AI Accelerator Chip Revenue by Delivery Form (2021-2026) & (\$ million)

Table 20. Global Low-Latency AI Accelerator Chip Revenue Market Share by Delivery Form (2021-2026)

Table 21. Global Low-Latency AI Accelerator Chip Sale Price by Delivery Form (2021-2026) & (US\$/Unit)

Table 22. Major Players of Matrix and Tensor Processing Chip

Table 23. Major Players of Dataflow Inference Chip

Table 24. Major Players of Near-Memory Computing Chip

Table 25. Major Players of General-Purpose GPU Inference Chip

Table 26. Global Low-Latency AI Accelerator Chip Sales by Computing Architecture (2021-2026) & (Million Units)

Table 27. Global Low-Latency AI Accelerator Chip Sales Market Share by Computing Architecture (2021-2026)

Table 28. Global Low-Latency AI Accelerator Chip Revenue by Computing Architecture (2021-2026) & (\$ million)

Table 29. Global Low-Latency AI Accelerator Chip Revenue Market Share by Computing Architecture (2021-2026)

Table 30. Global Low-Latency AI Accelerator Chip Sale Price by Computing Architecture (2021-2026) & (US\$/Unit)

Table 31. Global Low-Latency AI Accelerator Chip Sale by Application (2021-2026) & (Million Units)

Table 32. Global Low-Latency AI Accelerator Chip Sale Market Share by Application (2021-2026)

Table 33. Global Low-Latency AI Accelerator Chip Revenue by Application (2021-2026) & (\$ million)

Table 34. Global Low-Latency AI Accelerator Chip Revenue Market Share by Application (2021-2026)

Table 35. Global Low-Latency AI Accelerator Chip Sale Price by Application (2021-2026) & (US\$/Unit)

Table 36. Global Low-Latency AI Accelerator Chip Sales by Company (2021-2026) & (Million Units)

Table 37. Global Low-Latency AI Accelerator Chip Sales Market Share by Company (2021-2026)

Table 38. Global Low-Latency AI Accelerator Chip Revenue by Company (2021-2026) & (\$ millions)

Table 39. Global Low-Latency AI Accelerator Chip Revenue Market Share by Company (2021-2026)

Table 40. Global Low-Latency AI Accelerator Chip Sale Price by Company (2021-2026) & (US\$/Unit)

Table 41. Key Manufacturers Low-Latency AI Accelerator Chip Producing Area Distribution and Sales Area

Table 42. Players Low-Latency AI Accelerator Chip Products Offered

Table 43. Low-Latency AI Accelerator Chip Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

Table 44. New Products and Potential Entrants

Table 45. Market M&A Activity & Strategy

Table 46. Global Low-Latency AI Accelerator Chip Sales by Geographic Region (2021-2026) & (Million Units)

Table 47. Global Low-Latency AI Accelerator Chip Sales Market Share Geographic Region (2021-2026)

Table 48. Global Low-Latency AI Accelerator Chip Revenue by Geographic Region (2021-2026) & (\$ millions)

Table 49. Global Low-Latency AI Accelerator Chip Revenue Market Share by Geographic Region (2021-2026)

Table 50. Global Low-Latency AI Accelerator Chip Sales by Country/Region (2021-2026) & (Million Units)

Table 51. Global Low-Latency AI Accelerator Chip Sales Market Share by Country/Region (2021-2026)

Table 52. Global Low-Latency AI Accelerator Chip Revenue by Country/Region (2021-2026) & (\$ millions)

Table 53. Global Low-Latency AI Accelerator Chip Revenue Market Share by Country/Region (2021-2026)

Table 54. Americas Low-Latency AI Accelerator Chip Sales by Country (2021-2026) & (Million Units)

Table 55. Americas Low-Latency AI Accelerator Chip Sales Market Share by Country (2021-2026)

Table 56. Americas Low-Latency AI Accelerator Chip Revenue by Country (2021-2026) & (\$ millions)

Table 57. Americas Low-Latency AI Accelerator Chip Sales by Primary Memory System (2021-2026) & (Million Units)

Table 58. Americas Low-Latency AI Accelerator Chip Sales by Application (2021-2026) & (Million Units)

Table 59. APAC Low-Latency AI Accelerator Chip Sales by Region (2021-2026) & (Million Units)

Table 60. APAC Low-Latency AI Accelerator Chip Sales Market Share by Region (2021-2026)

Table 61. APAC Low-Latency AI Accelerator Chip Revenue by Region (2021-2026) & (\$ millions)

Table 62. APAC Low-Latency AI Accelerator Chip Sales by Primary Memory System (2021-2026) & (Million Units)

Table 63. APAC Low-Latency AI Accelerator Chip Sales by Application (2021-2026) & (Million Units)

Table 64. Europe Low-Latency AI Accelerator Chip Sales by Country (2021-2026) & (Million Units)

Table 65. Europe Low-Latency AI Accelerator Chip Revenue by Country (2021-2026) &

(\$ millions)

Table 66. Europe Low-Latency AI Accelerator Chip Sales by Primary Memory System (2021-2026) & (Million Units)

Table 67. Europe Low-Latency AI Accelerator Chip Sales by Application (2021-2026) & (Million Units)

Table 68. Middle East & Africa Low-Latency AI Accelerator Chip Sales by Country (2021-2026) & (Million Units)

Table 69. Middle East & Africa Low-Latency AI Accelerator Chip Revenue Market Share by Country (2021-2026)

Table 70. Middle East & Africa Low-Latency AI Accelerator Chip Sales by Primary Memory System (2021-2026) & (Million Units)

Table 71. Middle East & Africa Low-Latency AI Accelerator Chip Sales by Application (2021-2026) & (Million Units)

Table 72. Key Market Drivers & Growth Opportunities of Low-Latency AI Accelerator Chip

Table 73. Key Market Challenges & Risks of Low-Latency AI Accelerator Chip

Table 74. Key Industry Trends of Low-Latency AI Accelerator Chip

Table 75. Low-Latency AI Accelerator Chip Raw Material

Table 76. Key Suppliers of Raw Materials

Table 77. Low-Latency AI Accelerator Chip Distributors List

Table 78. Low-Latency AI Accelerator Chip Customer List

Table 79. Global Low-Latency AI Accelerator Chip Sales Forecast by Region (2027-2032) & (Million Units)

Table 80. Global Low-Latency AI Accelerator Chip Revenue Forecast by Region (2027-2032) & (\$ millions)

Table 81. Americas Low-Latency AI Accelerator Chip Sales Forecast by Country (2027-2032) & (Million Units)

Table 82. Americas Low-Latency AI Accelerator Chip Annual Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 83. APAC Low-Latency AI Accelerator Chip Sales Forecast by Region (2027-2032) & (Million Units)

Table 84. APAC Low-Latency AI Accelerator Chip Annual Revenue Forecast by Region (2027-2032) & (\$ millions)

Table 85. Europe Low-Latency AI Accelerator Chip Sales Forecast by Country (2027-2032) & (Million Units)

Table 86. Europe Low-Latency AI Accelerator Chip Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 87. Middle East & Africa Low-Latency AI Accelerator Chip Sales Forecast by Country (2027-2032) & (Million Units)

Table 88. Middle East & Africa Low-Latency AI Accelerator Chip Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 89. Global Low-Latency AI Accelerator Chip Sales Forecast by Primary Memory System (2027-2032) & (Million Units)

Table 90. Global Low-Latency AI Accelerator Chip Revenue Forecast by Primary Memory System (2027-2032) & (\$ millions)

Table 91. Global Low-Latency AI Accelerator Chip Sales Forecast by Application (2027-2032) & (Million Units)

Table 92. Global Low-Latency AI Accelerator Chip Revenue Forecast by Application (2027-2032) & (\$ millions)

Table 93. NVIDIA Basic Information, Low-Latency AI Accelerator Chip Manufacturing Base, Sales Area and Its Competitors

Table 94. NVIDIA Low-Latency AI Accelerator Chip Product Portfolios and Specifications

Table 95. NVIDIA Low-Latency AI Accelerator Chip Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 96. NVIDIA Main Business

Table 97. NVIDIA Latest Developments

Table 98. AMD Basic Information, Low-Latency AI Accelerator Chip Manufacturing Base, Sales Area and Its Competitors

Table 99. AMD Low-Latency AI Accelerator Chip Product Portfolios and Specifications

Table 100. AMD Low-Latency AI Accelerator Chip Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 101. AMD Main Business

Table 102. AMD Latest Developments

Table 103. Intel Basic Information, Low-Latency AI Accelerator Chip Manufacturing Base, Sales Area and Its Competitors

Table 104. Intel Low-Latency AI Accelerator Chip Product Portfolios and Specifications

Table 105. Intel Low-Latency AI Accelerator Chip Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 106. Intel Main Business

Table 107. Intel Latest Developments

Table 108. Google Basic Information, Low-Latency AI Accelerator Chip Manufacturing Base, Sales Area and Its Competitors

Table 109. Google Low-Latency AI Accelerator Chip Product Portfolios and Specifications

Table 110. Google Low-Latency AI Accelerator Chip Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 111. Google Main Business

Table 112. Google Latest Developments

Table 113. Qualcomm Basic Information, Low-Latency AI Accelerator Chip Manufacturing Base, Sales Area and Its Competitors

Table 114. Qualcomm Low-Latency AI Accelerator Chip Product Portfolios and Specifications

Table 115. Qualcomm Low-Latency AI Accelerator Chip Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 116. Qualcomm Main Business

Table 117. Qualcomm Latest Developments

Table 118. Groq Basic Information, Low-Latency AI Accelerator Chip Manufacturing Base, Sales Area and Its Competitors

Table 119. Groq Low-Latency AI Accelerator Chip Product Portfolios and Specifications

Table 120. Groq Low-Latency AI Accelerator Chip Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 121. Groq Main Business

Table 122. Groq Latest Developments

Table 123. Hailo Basic Information, Low-Latency AI Accelerator Chip Manufacturing Base, Sales Area and Its Competitors

Table 124. Hailo Low-Latency AI Accelerator Chip Product Portfolios and Specifications

Table 125. Hailo Low-Latency AI Accelerator Chip Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 126. Hailo Main Business

Table 127. Hailo Latest Developments

Table 128. Axelera AI Basic Information, Low-Latency AI Accelerator Chip Manufacturing Base, Sales Area and Its Competitors

Table 129. Axelera AI Low-Latency AI Accelerator Chip Product Portfolios and Specifications

Table 130. Axelera AI Low-Latency AI Accelerator Chip Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 131. Axelera AI Main Business

Table 132. Axelera AI Latest Developments

Table 133. EdgeCortex Basic Information, Low-Latency AI Accelerator Chip Manufacturing Base, Sales Area and Its Competitors

Table 134. EdgeCortex Low-Latency AI Accelerator Chip Product Portfolios and Specifications

Table 135. EdgeCortex Low-Latency AI Accelerator Chip Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 136. EdgeCortex Main Business

Table 137. EdgeCortex Latest Developments

Table 138. FuriosaAI Basic Information, Low-Latency AI Accelerator Chip

Manufacturing Base, Sales Area and Its Competitors

Table 139. FuriosaAI Low-Latency AI Accelerator Chip Product Portfolios and Specifications

Table 140. FuriosaAI Low-Latency AI Accelerator Chip Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 141. FuriosaAI Main Business

Table 142. FuriosaAI Latest Developments

Table 143. Rebellions Basic Information, Low-Latency AI Accelerator Chip Manufacturing Base, Sales Area and Its Competitors

Table 144. Rebellions Low-Latency AI Accelerator Chip Product Portfolios and Specifications

Table 145. Rebellions Low-Latency AI Accelerator Chip Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 146. Rebellions Main Business

Table 147. Rebellions Latest Developments

Table 148. Cambricon Basic Information, Low-Latency AI Accelerator Chip Manufacturing Base, Sales Area and Its Competitors

Table 149. Cambricon Low-Latency AI Accelerator Chip Product Portfolios and Specifications

Table 150. Cambricon Low-Latency AI Accelerator Chip Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 151. Cambricon Main Business

Table 152. Cambricon Latest Developments

Table 153. SOPHGO Basic Information, Low-Latency AI Accelerator Chip Manufacturing Base, Sales Area and Its Competitors

Table 154. SOPHGO Low-Latency AI Accelerator Chip Product Portfolios and Specifications

Table 155. SOPHGO Low-Latency AI Accelerator Chip Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 156. SOPHGO Main Business

Table 157. SOPHGO Latest Developments

Table 158. Ambarella Basic Information, Low-Latency AI Accelerator Chip Manufacturing Base, Sales Area and Its Competitors

Table 159. Ambarella Low-Latency AI Accelerator Chip Product Portfolios and Specifications

Table 160. Ambarella Low-Latency AI Accelerator Chip Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 161. Ambarella Main Business

Table 162. Ambarella Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of Low-Latency AI Accelerator Chip
- Figure 2. Low-Latency AI Accelerator Chip Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Low-Latency AI Accelerator Chip Sales Growth Rate 2021-2032 (Million Units)
- Figure 7. Global Low-Latency AI Accelerator Chip Revenue Growth Rate 2021-2032 (\$ millions)
- Figure 8. Low-Latency AI Accelerator Chip Sales by Geographic Region (2021, 2025 & 2032) & (\$ millions)
- Figure 9. Low-Latency AI Accelerator Chip Sales Market Share by Country/Region (2025)
- Figure 10. Low-Latency AI Accelerator Chip Sales Market Share by Country/Region (2021, 2025 & 2032)
- Figure 11. Product Picture of On-Chip SRAM Chip
- Figure 12. Product Picture of HBM Chip
- Figure 13. Product Picture of GDDR Chip
- Figure 14. Product Picture of DDR/LPDDR Chip
- Figure 15. Product Picture of Hybrid Hierarchical Memory Chip
- Figure 16. Global Low-Latency AI Accelerator Chip Sales Market Share by Primary Memory System in 2026
- Figure 17. Global Low-Latency AI Accelerator Chip Revenue Market Share by Primary Memory System (2021-2026)
- Figure 18. Product Picture of Bare Chip
- Figure 19. Product Picture of Accelerator Card
- Figure 20. Product Picture of Accelerator Module
- Figure 21. Product Picture of Server Node
- Figure 22. Global Low-Latency AI Accelerator Chip Sales Market Share by Delivery Form in 2026
- Figure 23. Global Low-Latency AI Accelerator Chip Revenue Market Share by Delivery Form (2021-2026)
- Figure 24. Product Picture of Matrix and Tensor Processing Chip
- Figure 25. Product Picture of Dataflow Inference Chip
- Figure 26. Product Picture of Near-Memory Computing Chip

Figure 27. Product Picture of General-Purpose GPU Inference Chip

Figure 28. Global Low-Latency AI Accelerator Chip Sales Market Share by Computing Architecture in 2026

Figure 29. Global Low-Latency AI Accelerator Chip Revenue Market Share by Computing Architecture (2021-2026)

Figure 30. Low-Latency AI Accelerator Chip Consumed in Real-Time Conversational Generation

Figure 31. Global Low-Latency AI Accelerator Chip Market: Real-Time Conversational Generation (2021-2026) & (Million Units)

Figure 32. Low-Latency AI Accelerator Chip Consumed in Edge Visual Perception

Figure 33. Global Low-Latency AI Accelerator Chip Market: Edge Visual Perception (2021-2026) & (Million Units)

Figure 34. Low-Latency AI Accelerator Chip Consumed in Autonomous Driving Perception and Decision-Making

Figure 35. Global Low-Latency AI Accelerator Chip Market: Autonomous Driving Perception and Decision-Making (2021-2026) & (Million Units)

Figure 36. Low-Latency AI Accelerator Chip Consumed in Industrial Robot Control

Figure 37. Global Low-Latency AI Accelerator Chip Market: Industrial Robot Control (2021-2026) & (Million Units)

Figure 38. Low-Latency AI Accelerator Chip Consumed in Video Analytics and Retrieval

Figure 39. Global Low-Latency AI Accelerator Chip Market: Video Analytics and Retrieval (2021-2026) & (Million Units)

Figure 40. Low-Latency AI Accelerator Chip Consumed in Recommendation and Search Response

Figure 41. Global Low-Latency AI Accelerator Chip Market: Recommendation and Search Response (2021-2026) & (Million Units)

Figure 42. Global Low-Latency AI Accelerator Chip Sale Market Share by Application (2025)

Figure 43. Global Low-Latency AI Accelerator Chip Revenue Market Share by Application in 2025

Figure 44. Low-Latency AI Accelerator Chip Sales by Company in 2025 (Million Units)

Figure 45. Global Low-Latency AI Accelerator Chip Sales Market Share by Company in 2025

Figure 46. Low-Latency AI Accelerator Chip Revenue by Company in 2025 (\$ millions)

Figure 47. Global Low-Latency AI Accelerator Chip Revenue Market Share by Company in 2025

Figure 48. Global Low-Latency AI Accelerator Chip Sales Market Share by Geographic Region (2021-2026)

Figure 49. Global Low-Latency AI Accelerator Chip Revenue Market Share by

Geographic Region in 2025

Figure 50. Americas Low-Latency AI Accelerator Chip Sales 2021-2026 (Million Units)

Figure 51. Americas Low-Latency AI Accelerator Chip Revenue 2021-2026 (\$ millions)

Figure 52. APAC Low-Latency AI Accelerator Chip Sales 2021-2026 (Million Units)

Figure 53. APAC Low-Latency AI Accelerator Chip Revenue 2021-2026 (\$ millions)

Figure 54. Europe Low-Latency AI Accelerator Chip Sales 2021-2026 (Million Units)

Figure 55. Europe Low-Latency AI Accelerator Chip Revenue 2021-2026 (\$ millions)

Figure 56. Middle East & Africa Low-Latency AI Accelerator Chip Sales 2021-2026
(Million Units)

Figure 57. Middle East & Africa Low-Latency AI Accelerator Chip Revenue 2021-2026
(\$ millions)

Figure 58. Americas Low-Latency AI Accelerator Chip Sales Market Share by Country
in 2025

Figure 59. Americas Low-Latency AI Accelerator Chip Revenue Market Share by
Country (2021-2026)

Figure 60. Americas Low-Latency AI Accelerator Chip Sales Market Share by Primary
Memory System (2021-2026)

Figure 61. Americas Low-Latency AI Accelerator Chip Sales Market Share by
Application (2021-2026)

Figure 62. United States Low-Latency AI Accelerator Chip Revenue Growth 2021-2026
(\$ millions)

Figure 63. Canada Low-Latency AI Accelerator Chip Revenue Growth 2021-2026 (\$
millions)

Figure 64. Mexico Low-Latency AI Accelerator Chip Revenue Growth 2021-2026 (\$
millions)

Figure 65. Brazil Low-Latency AI Accelerator Chip Revenue Growth 2021-2026 (\$
millions)

Figure 66. APAC Low-Latency AI Accelerator Chip Sales Market Share by Region in
2025

Figure 67. APAC Low-Latency AI Accelerator Chip Revenue Market Share by Region
(2021-2026)

Figure 68. APAC Low-Latency AI Accelerator Chip Sales Market Share by Primary
Memory System (2021-2026)

Figure 69. APAC Low-Latency AI Accelerator Chip Sales Market Share by Application
(2021-2026)

Figure 70. China Low-Latency AI Accelerator Chip Revenue Growth 2021-2026 (\$
millions)

Figure 71. Japan Low-Latency AI Accelerator Chip Revenue Growth 2021-2026 (\$
millions)

Figure 72. South Korea Low-Latency AI Accelerator Chip Revenue Growth 2021-2026 (\$ millions)

Figure 73. Southeast Asia Low-Latency AI Accelerator Chip Revenue Growth 2021-2026 (\$ millions)

Figure 74. India Low-Latency AI Accelerator Chip Revenue Growth 2021-2026 (\$ millions)

Figure 75. Australia Low-Latency AI Accelerator Chip Revenue Growth 2021-2026 (\$ millions)

Figure 76. China Taiwan Low-Latency AI Accelerator Chip Revenue Growth 2021-2026 (\$ millions)

Figure 77. Europe Low-Latency AI Accelerator Chip Sales Market Share by Country in 2025

Figure 78. Europe Low-Latency AI Accelerator Chip Revenue Market Share by Country (2021-2026)

Figure 79. Europe Low-Latency AI Accelerator Chip Sales Market Share by Primary Memory System (2021-2026)

Figure 80. Europe Low-Latency AI Accelerator Chip Sales Market Share by Application (2021-2026)

Figure 81. Germany Low-Latency AI Accelerator Chip Revenue Growth 2021-2026 (\$ millions)

Figure 82. France Low-Latency AI Accelerator Chip Revenue Growth 2021-2026 (\$ millions)

Figure 83. UK Low-Latency AI Accelerator Chip Revenue Growth 2021-2026 (\$ millions)

Figure 84. Italy Low-Latency AI Accelerator Chip Revenue Growth 2021-2026 (\$ millions)

Figure 85. Russia Low-Latency AI Accelerator Chip Revenue Growth 2021-2026 (\$ millions)

Figure 86. Middle East & Africa Low-Latency AI Accelerator Chip Sales Market Share by Country (2021-2026)

Figure 87. Middle East & Africa Low-Latency AI Accelerator Chip Sales Market Share by Primary Memory System (2021-2026)

Figure 88. Middle East & Africa Low-Latency AI Accelerator Chip Sales Market Share by Application (2021-2026)

Figure 89. Egypt Low-Latency AI Accelerator Chip Revenue Growth 2021-2026 (\$ millions)

Figure 90. South Africa Low-Latency AI Accelerator Chip Revenue Growth 2021-2026 (\$ millions)

Figure 91. Israel Low-Latency AI Accelerator Chip Revenue Growth 2021-2026 (\$ millions)

Figure 92. Turkey Low-Latency AI Accelerator Chip Revenue Growth 2021-2026 (\$ millions)

Figure 93. GCC Countries Low-Latency AI Accelerator Chip Revenue Growth 2021-2026 (\$ millions)

Figure 94. Manufacturing Cost Structure Analysis of Low-Latency AI Accelerator Chip in 2026

Figure 95. Manufacturing Process Analysis of Low-Latency AI Accelerator Chip

Figure 96. Industry Chain Structure of Low-Latency AI Accelerator Chip

Figure 97. Channels of Distribution

Figure 98. Global Low-Latency AI Accelerator Chip Sales Market Forecast by Region (2027-2032)

Figure 99. Global Low-Latency AI Accelerator Chip Revenue Market Share Forecast by Region (2027-2032)

Figure 100. Global Low-Latency AI Accelerator Chip Sales Market Share Forecast by Primary Memory System (2027-2032)

Figure 101. Global Low-Latency AI Accelerator Chip Revenue Market Share Forecast by Primary Memory System (2027-2032)

Figure 102. Global Low-Latency AI Accelerator Chip Sales Market Share Forecast by Application (2027-2032)

Figure 103. Global Low-Latency AI Accelerator Chip Revenue Market Share Forecast by Application (2027-2032)

I would like to order

Product name: Global Low-Latency AI Accelerator Chip Market Growth 2026-2032

Product link: <https://marketpublishers.com/r/G85491973F45EN.html>

Price: US\$ 3,660.00 (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/G85491973F45EN.html>