

Global Near-Memory AI Accelerator Chip Market Growth 2026-2032

<https://marketpublishers.com/r/G25DC705DA9EEN.html>

Date: July 2026

Pages: 103

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

ID: G25DC705DA9EEN

Abstracts

The global Near-Memory AI Accelerator Chip market size is predicted to grow from US\$ 243 million in 2025 to US\$ 1050 million in 2032; it is expected to grow at a CAGR of 15.9% from 2026 to 2032.

A near-memory AI accelerator chip is a dedicated processor or acceleration hardware category designed around the data-movement bottleneck in artificial intelligence workloads. Its core positioning is not merely to increase the number of arithmetic units, but to place compute capability inside memory arrays, near memory chips, within memory buffer chips, or alongside high-bandwidth memory channels, so that neural network weights, activations, and retrieval vectors can complete reading, multiply-accumulate, reduction, search, and inference operations over shorter data paths. These products typically adopt digital in-memory computing, analog in-memory computing, processing-in-memory, near-data dataflow, large on-chip SRAM, RRAM arrays, HBM-PIM, GDDR-AiM, or associative processing array architectures. Their main purpose is to improve energy efficiency, latency, and throughput for large-model inference, recommendation systems, edge vision, low-power sensing, vector search, and memory-intensive AI workloads. Common delivery forms include standalone chips, AI accelerator cards, in-memory computing SoCs, PIM memory modules, server inference platforms, and customer-specific ASICs. Major customers include cloud computing providers, server vendors, edge device manufacturers, industrial vision system providers, automotive electronics companies, wearable device makers, and high-performance search system integrators.

The core industrial logic of near-memory AI accelerator chips is that artificial intelligence computing is shifting from a pure pursuit of peak compute performance to a combined pursuit of data access efficiency, system-level energy efficiency, and inference cost per

unit. Traditional processor architectures frequently move model weights, activations, and intermediate results between external memory and compute cores. As large-model inference, recommendation systems, vector search, and multi-channel video analytics become mainstream workloads, the power consumption, latency, and bandwidth occupation caused by data movement are becoming system-level bottlenecks. Near-memory computing, in-memory computing, and processing-in-memory approaches shorten data paths by placing part of matrix multiplication, reduction, search, or preprocessing tasks inside memory arrays or near memory channels, thereby improving overall AI system efficiency.

From a technology-route perspective, near-memory AI accelerator chips are not a single product form, but an industrial cluster formed by multiple architectural routes. Digital in-memory computing typically relies on SRAM and standard CMOS processes, emphasizing manufacturability, stable accuracy, and software toolchain compatibility, making it suitable for edge vision, industrial inspection, and multi-channel video analytics. Analog in-memory computing usually uses flash memory, RRAM, or other memory arrays to perform matrix operations, offering strong energy-efficiency potential and fitting low-power devices and inference tasks that are highly sensitive to data movement. PIM and AiM routes are more often driven by memory manufacturers, embedding compute capability into HBM, GDDR, DIMM, or mobile DRAM to improve data efficiency in existing AI accelerator systems.

From a market outlook perspective, the growth potential of near-memory AI accelerator chips comes from the simultaneous expansion of two types of demand. The first is data center large-model inference. As generative AI shifts from training competition toward online inference, agents, multimodal generation, and enterprise private deployment, inference cost, latency, and energy consumption will become important hardware procurement criteria. The second is edge and endpoint AI demand. Wearables, smart cameras, industrial sensing, robotics, automotive perception, and AR/VR devices require local AI model execution while being constrained by power, size, thermal design, and privacy. Near-memory computing approaches are expected to create differentiated value in these scenarios.

LP Information, Inc. (LPI) ' newest research report, the "Near-Memory AI Accelerator Chip Industry Forecast" looks at past sales and reviews total world Near-Memory AI Accelerator Chip sales in 2025, providing a comprehensive analysis by region and market sector of projected Near-Memory AI Accelerator Chip sales for 2026 through 2032. With Near-Memory 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 Near-Memory AI Accelerator Chip industry.

This Insight Report provides a comprehensive analysis of the global Near-Memory 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 Near-Memory 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 Near-Memory AI Accelerator Chip market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Near-Memory AI Accelerator Chip and breaks down the forecast by Technology Paradigm, 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 Near-Memory AI Accelerator Chip.

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

Segmentation by Technology Paradigm:

Digital In-Memory Computing

Analog In-Memory Computing

Processing-in-Memory

Other

Segmentation by Data Precision:

INT4

INT8

FP8

BF16

Mixed Precision

Segmentation by Integration Location:

Inside Memory Array

Near On-Chip Cache

Memory Buffer Chip

Inside HBM Stack

Inside DRAM Module

Beside Accelerator Card Local Memory

Segmentation by Application:

Data Center LLM Inference

Edge Vision Inference

Low-Power Sensing Inference

Vector Search Acceleration

Recommendation System Acceleration

Mobile AI Inference

In-Memory Database Acceleration

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.

d-Matrix

EnCharge AI

Mythic

TetraMem

Axelera AI

GSI Technology

Samsung Electronics

SK hynix

Key Questions Addressed in this Report

What is the 10-year outlook for the global Near-Memory AI Accelerator Chip market?

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

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

How do Near-Memory AI Accelerator Chip market opportunities vary by end market

size?

How does Near-Memory AI Accelerator Chip break out by Technology Paradigm, 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 Near-Memory AI Accelerator Chip Annual Sales 2021-2032
 - 2.1.2 World Current & Future Analysis for Near-Memory AI Accelerator Chip by Geographic Region, 2021, 2025 & 2032
 - 2.1.3 World Current & Future Analysis for Near-Memory AI Accelerator Chip by Country/Region, 2021, 2025 & 2032
- 2.2 Near-Memory AI Accelerator Chip Segment by Technology Paradigm
 - 2.2.1 Digital In-Memory Computing
 - 2.2.2 Analog In-Memory Computing
 - 2.2.3 Processing-in-Memory
 - 2.2.4 Other
 - 2.2.5 Near-Memory AI Accelerator Chip Sales by Technology Paradigm
 - 2.2.5.1 Global Near-Memory AI Accelerator Chip Sales Market Share by Technology Paradigm (2021-2026)
 - 2.2.5.2 Global Near-Memory AI Accelerator Chip Revenue and Market Share by Technology Paradigm (2021-2026)
 - 2.2.5.3 Global Near-Memory AI Accelerator Chip Sale Price by Technology Paradigm (2021-2026)
- 2.3 Near-Memory AI Accelerator Chip Segment by Data Precision
 - 2.3.1 INT4
 - 2.3.2 INT8
 - 2.3.3 FP8
 - 2.3.4 BF16
 - 2.3.5 Mixed Precision

2.3.6 Near-Memory AI Accelerator Chip Sales by Data Precision

2.3.6.1 Global Near-Memory AI Accelerator Chip Sales Market Share by Data Precision (2021-2026)

2.3.6.2 Global Near-Memory AI Accelerator Chip Revenue and Market Share by Data Precision (2021-2026)

2.3.6.3 Global Near-Memory AI Accelerator Chip Sale Price by Data Precision (2021-2026)

2.4 Near-Memory AI Accelerator Chip Segment by Integration Location

2.4.1 Inside Memory Array

2.4.2 Near On-Chip Cache

2.4.3 Memory Buffer Chip

2.4.4 Inside HBM Stack

2.4.5 Inside DRAM Module

2.4.6 Beside Accelerator Card Local Memory

2.4.7 Near-Memory AI Accelerator Chip Sales by Integration Location

2.4.7.1 Global Near-Memory AI Accelerator Chip Sales Market Share by Integration Location (2021-2026)

2.4.7.2 Global Near-Memory AI Accelerator Chip Revenue and Market Share by Integration Location (2021-2026)

2.4.7.3 Global Near-Memory AI Accelerator Chip Sale Price by Integration Location (2021-2026)

2.5 Near-Memory AI Accelerator Chip Segment by Application

2.5.1 Data Center LLM Inference

2.5.2 Edge Vision Inference

2.5.3 Low-Power Sensing Inference

2.5.4 Vector Search Acceleration

2.5.5 Recommendation System Acceleration

2.5.6 Mobile AI Inference

2.5.7 In-Memory Database Acceleration

2.5.8 Near-Memory AI Accelerator Chip Sales by Application

2.5.8.1 Global Near-Memory AI Accelerator Chip Sale Market Share by Application (2021-2026)

2.5.8.2 Global Near-Memory AI Accelerator Chip Revenue and Market Share by Application (2021-2026)

2.5.8.3 Global Near-Memory AI Accelerator Chip Sale Price by Application (2021-2026)

3 GLOBAL BY COMPANY

- 3.1 Global Near-Memory AI Accelerator Chip Breakdown Data by Company
 - 3.1.1 Global Near-Memory AI Accelerator Chip Annual Sales by Company (2021-2026)
 - 3.1.2 Global Near-Memory AI Accelerator Chip Sales Market Share by Company (2021-2026)
- 3.2 Global Near-Memory AI Accelerator Chip Annual Revenue by Company (2021-2026)
 - 3.2.1 Global Near-Memory AI Accelerator Chip Revenue by Company (2021-2026)
 - 3.2.2 Global Near-Memory AI Accelerator Chip Revenue Market Share by Company (2021-2026)
- 3.3 Global Near-Memory AI Accelerator Chip Sale Price by Company
- 3.4 Key Manufacturers Near-Memory AI Accelerator Chip Producing Area Distribution, Sales Area, Product Type
 - 3.4.1 Key Manufacturers Near-Memory AI Accelerator Chip Product Location Distribution
 - 3.4.2 Players Near-Memory 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 NEAR-MEMORY AI ACCELERATOR CHIP BY GEOGRAPHIC REGION

- 4.1 World Historic Near-Memory AI Accelerator Chip Market Size by Geographic Region (2021-2026)
 - 4.1.1 Global Near-Memory AI Accelerator Chip Annual Sales by Geographic Region (2021-2026)
 - 4.1.2 Global Near-Memory AI Accelerator Chip Annual Revenue by Geographic Region (2021-2026)
- 4.2 World Historic Near-Memory AI Accelerator Chip Market Size by Country/Region (2021-2026)
 - 4.2.1 Global Near-Memory AI Accelerator Chip Annual Sales by Country/Region (2021-2026)
 - 4.2.2 Global Near-Memory AI Accelerator Chip Annual Revenue by Country/Region (2021-2026)
- 4.3 Americas Near-Memory AI Accelerator Chip Sales Growth
- 4.4 APAC Near-Memory AI Accelerator Chip Sales Growth

4.5 Europe Near-Memory AI Accelerator Chip Sales Growth

4.6 Middle East & Africa Near-Memory AI Accelerator Chip Sales Growth

5 AMERICAS

5.1 Americas Near-Memory AI Accelerator Chip Sales by Country

5.1.1 Americas Near-Memory AI Accelerator Chip Sales by Country (2021-2026)

5.1.2 Americas Near-Memory AI Accelerator Chip Revenue by Country (2021-2026)

5.2 Americas Near-Memory AI Accelerator Chip Sales by Technology Paradigm (2021-2026)

5.3 Americas Near-Memory 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 Near-Memory AI Accelerator Chip Sales by Region

6.1.1 APAC Near-Memory AI Accelerator Chip Sales by Region (2021-2026)

6.1.2 APAC Near-Memory AI Accelerator Chip Revenue by Region (2021-2026)

6.2 APAC Near-Memory AI Accelerator Chip Sales by Technology Paradigm (2021-2026)

6.3 APAC Near-Memory 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 Near-Memory AI Accelerator Chip by Country

7.1.1 Europe Near-Memory AI Accelerator Chip Sales by Country (2021-2026)

7.1.2 Europe Near-Memory AI Accelerator Chip Revenue by Country (2021-2026)

7.2 Europe Near-Memory AI Accelerator Chip Sales by Technology Paradigm (2021-2026)

7.3 Europe Near-Memory 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 Near-Memory AI Accelerator Chip by Country

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

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

8.2 Middle East & Africa Near-Memory AI Accelerator Chip Sales by Technology Paradigm (2021-2026)

8.3 Middle East & Africa Near-Memory 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 Near-Memory AI Accelerator Chip

10.3 Manufacturing Process Analysis of Near-Memory AI Accelerator Chip

10.4 Industry Chain Structure of Near-Memory AI Accelerator Chip

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 Near-Memory AI Accelerator Chip Distributors

11.3 Near-Memory AI Accelerator Chip Customer

12 WORLD FORECAST REVIEW FOR NEAR-MEMORY AI ACCELERATOR CHIP BY GEOGRAPHIC REGION

12.1 Global Near-Memory AI Accelerator Chip Market Size Forecast by Region

12.1.1 Global Near-Memory AI Accelerator Chip Forecast by Region (2027-2032)

12.1.2 Global Near-Memory 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 Near-Memory AI Accelerator Chip Forecast by Technology Paradigm (2027-2032)

12.7 Global Near-Memory AI Accelerator Chip Forecast by Application (2027-2032)

13 KEY PLAYERS ANALYSIS

13.1 d-Matrix

13.1.1 d-Matrix Company Information

13.1.2 d-Matrix Near-Memory AI Accelerator Chip Product Portfolios and Specifications

13.1.3 d-Matrix Near-Memory AI Accelerator Chip Sales, Revenue, Price and Gross Margin (2021-2026)

13.1.4 d-Matrix Main Business Overview

13.1.5 d-Matrix Latest Developments

13.2 EnCharge AI

13.2.1 EnCharge AI Company Information

13.2.2 EnCharge AI Near-Memory AI Accelerator Chip Product Portfolios and Specifications

13.2.3 EnCharge AI Near-Memory AI Accelerator Chip Sales, Revenue, Price and Gross Margin (2021-2026)

13.2.4 EnCharge AI Main Business Overview

13.2.5 EnCharge AI Latest Developments

13.3 Mythic

13.3.1 Mythic Company Information

13.3.2 Mythic Near-Memory AI Accelerator Chip Product Portfolios and Specifications

13.3.3 Mythic Near-Memory AI Accelerator Chip Sales, Revenue, Price and Gross Margin (2021-2026)

13.3.4 Mythic Main Business Overview

13.3.5 Mythic Latest Developments

13.4 TetraMem

13.4.1 TetraMem Company Information

13.4.2 TetraMem Near-Memory AI Accelerator Chip Product Portfolios and Specifications

13.4.3 TetraMem Near-Memory AI Accelerator Chip Sales, Revenue, Price and Gross Margin (2021-2026)

13.4.4 TetraMem Main Business Overview

13.4.5 TetraMem Latest Developments

13.5 Axelera AI

13.5.1 Axelera AI Company Information

13.5.2 Axelera AI Near-Memory AI Accelerator Chip Product Portfolios and Specifications

13.5.3 Axelera AI Near-Memory AI Accelerator Chip Sales, Revenue, Price and Gross Margin (2021-2026)

13.5.4 Axelera AI Main Business Overview

13.5.5 Axelera AI Latest Developments

13.6 GSI Technology

13.6.1 GSI Technology Company Information

13.6.2 GSI Technology Near-Memory AI Accelerator Chip Product Portfolios and Specifications

13.6.3 GSI Technology Near-Memory AI Accelerator Chip Sales, Revenue, Price and Gross Margin (2021-2026)

13.6.4 GSI Technology Main Business Overview

13.6.5 GSI Technology Latest Developments

13.7 Samsung Electronics

13.7.1 Samsung Electronics Company Information

13.7.2 Samsung Electronics Near-Memory AI Accelerator Chip Product Portfolios and Specifications

13.7.3 Samsung Electronics Near-Memory AI Accelerator Chip Sales, Revenue, Price and Gross Margin (2021-2026)

13.7.4 Samsung Electronics Main Business Overview

13.7.5 Samsung Electronics Latest Developments

13.8 SK hynix

13.8.1 SK hynix Company Information

13.8.2 SK hynix Near-Memory AI Accelerator Chip Product Portfolios and Specifications

13.8.3 SK hynix Near-Memory AI Accelerator Chip Sales, Revenue, Price and Gross Margin (2021-2026)

13.8.4 SK hynix Main Business Overview

13.8.5 SK hynix Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

- Table 1. Near-Memory AI Accelerator Chip Annual Sales CAGR by Geographic Region (2021, 2025 & 2032) & (\$ millions)
- Table 2. Near-Memory AI Accelerator Chip Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & (\$ millions)
- Table 3. Major Players of Digital In-Memory Computing
- Table 4. Major Players of Analog In-Memory Computing
- Table 5. Major Players of Processing-in-Memory
- Table 6. Major Players of Other
- Table 7. Global Near-Memory AI Accelerator Chip Sales by Technology Paradigm (2021-2026) & (Million Units)
- Table 8. Global Near-Memory AI Accelerator Chip Sales Market Share by Technology Paradigm (2021-2026)
- Table 9. Global Near-Memory AI Accelerator Chip Revenue by Technology Paradigm (2021-2026) & (\$ million)
- Table 10. Global Near-Memory AI Accelerator Chip Revenue Market Share by Technology Paradigm (2021-2026)
- Table 11. Global Near-Memory AI Accelerator Chip Sale Price by Technology Paradigm (2021-2026) & (US\$/Unit)
- Table 12. Major Players of INT4
- Table 13. Major Players of INT8
- Table 14. Major Players of FP8
- Table 15. Major Players of BF16
- Table 16. Major Players of Mixed Precision
- Table 17. Global Near-Memory AI Accelerator Chip Sales by Data Precision (2021-2026) & (Million Units)
- Table 18. Global Near-Memory AI Accelerator Chip Sales Market Share by Data Precision (2021-2026)
- Table 19. Global Near-Memory AI Accelerator Chip Revenue by Data Precision (2021-2026) & (\$ million)
- Table 20. Global Near-Memory AI Accelerator Chip Revenue Market Share by Data Precision (2021-2026)
- Table 21. Global Near-Memory AI Accelerator Chip Sale Price by Data Precision (2021-2026) & (US\$/Unit)
- Table 22. Major Players of Inside Memory Array
- Table 23. Major Players of Near On-Chip Cache

Table 24. Major Players of Memory Buffer Chip

Table 25. Major Players of Inside HBM Stack

Table 26. Major Players of Inside DRAM Module

Table 27. Major Players of Beside Accelerator Card Local Memory

Table 28. Global Near-Memory AI Accelerator Chip Sales by Integration Location (2021-2026) & (Million Units)

Table 29. Global Near-Memory AI Accelerator Chip Sales Market Share by Integration Location (2021-2026)

Table 30. Global Near-Memory AI Accelerator Chip Revenue by Integration Location (2021-2026) & (\$ million)

Table 31. Global Near-Memory AI Accelerator Chip Revenue Market Share by Integration Location (2021-2026)

Table 32. Global Near-Memory AI Accelerator Chip Sale Price by Integration Location (2021-2026) & (US\$/Unit)

Table 33. Global Near-Memory AI Accelerator Chip Sale by Application (2021-2026) & (Million Units)

Table 34. Global Near-Memory AI Accelerator Chip Sale Market Share by Application (2021-2026)

Table 35. Global Near-Memory AI Accelerator Chip Revenue by Application (2021-2026) & (\$ million)

Table 36. Global Near-Memory AI Accelerator Chip Revenue Market Share by Application (2021-2026)

Table 37. Global Near-Memory AI Accelerator Chip Sale Price by Application (2021-2026) & (US\$/Unit)

Table 38. Global Near-Memory AI Accelerator Chip Sales by Company (2021-2026) & (Million Units)

Table 39. Global Near-Memory AI Accelerator Chip Sales Market Share by Company (2021-2026)

Table 40. Global Near-Memory AI Accelerator Chip Revenue by Company (2021-2026) & (\$ millions)

Table 41. Global Near-Memory AI Accelerator Chip Revenue Market Share by Company (2021-2026)

Table 42. Global Near-Memory AI Accelerator Chip Sale Price by Company (2021-2026) & (US\$/Unit)

Table 43. Key Manufacturers Near-Memory AI Accelerator Chip Producing Area Distribution and Sales Area

Table 44. Players Near-Memory AI Accelerator Chip Products Offered

Table 45. Near-Memory AI Accelerator Chip Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

Table 46. New Products and Potential Entrants

Table 47. Market M&A Activity & Strategy

Table 48. Global Near-Memory AI Accelerator Chip Sales by Geographic Region (2021-2026) & (Million Units)

Table 49. Global Near-Memory AI Accelerator Chip Sales Market Share Geographic Region (2021-2026)

Table 50. Global Near-Memory AI Accelerator Chip Revenue by Geographic Region (2021-2026) & (\$ millions)

Table 51. Global Near-Memory AI Accelerator Chip Revenue Market Share by Geographic Region (2021-2026)

Table 52. Global Near-Memory AI Accelerator Chip Sales by Country/Region (2021-2026) & (Million Units)

Table 53. Global Near-Memory AI Accelerator Chip Sales Market Share by Country/Region (2021-2026)

Table 54. Global Near-Memory AI Accelerator Chip Revenue by Country/Region (2021-2026) & (\$ millions)

Table 55. Global Near-Memory AI Accelerator Chip Revenue Market Share by Country/Region (2021-2026)

Table 56. Americas Near-Memory AI Accelerator Chip Sales by Country (2021-2026) & (Million Units)

Table 57. Americas Near-Memory AI Accelerator Chip Sales Market Share by Country (2021-2026)

Table 58. Americas Near-Memory AI Accelerator Chip Revenue by Country (2021-2026) & (\$ millions)

Table 59. Americas Near-Memory AI Accelerator Chip Sales by Technology Paradigm (2021-2026) & (Million Units)

Table 60. Americas Near-Memory AI Accelerator Chip Sales by Application (2021-2026) & (Million Units)

Table 61. APAC Near-Memory AI Accelerator Chip Sales by Region (2021-2026) & (Million Units)

Table 62. APAC Near-Memory AI Accelerator Chip Sales Market Share by Region (2021-2026)

Table 63. APAC Near-Memory AI Accelerator Chip Revenue by Region (2021-2026) & (\$ millions)

Table 64. APAC Near-Memory AI Accelerator Chip Sales by Technology Paradigm (2021-2026) & (Million Units)

Table 65. APAC Near-Memory AI Accelerator Chip Sales by Application (2021-2026) & (Million Units)

Table 66. Europe Near-Memory AI Accelerator Chip Sales by Country (2021-2026) &

(Million Units)

Table 67. Europe Near-Memory AI Accelerator Chip Revenue by Country (2021-2026) & (\$ millions)

Table 68. Europe Near-Memory AI Accelerator Chip Sales by Technology Paradigm (2021-2026) & (Million Units)

Table 69. Europe Near-Memory AI Accelerator Chip Sales by Application (2021-2026) & (Million Units)

Table 70. Middle East & Africa Near-Memory AI Accelerator Chip Sales by Country (2021-2026) & (Million Units)

Table 71. Middle East & Africa Near-Memory AI Accelerator Chip Revenue Market Share by Country (2021-2026)

Table 72. Middle East & Africa Near-Memory AI Accelerator Chip Sales by Technology Paradigm (2021-2026) & (Million Units)

Table 73. Middle East & Africa Near-Memory AI Accelerator Chip Sales by Application (2021-2026) & (Million Units)

Table 74. Key Market Drivers & Growth Opportunities of Near-Memory AI Accelerator Chip

Table 75. Key Market Challenges & Risks of Near-Memory AI Accelerator Chip

Table 76. Key Industry Trends of Near-Memory AI Accelerator Chip

Table 77. Near-Memory AI Accelerator Chip Raw Material

Table 78. Key Suppliers of Raw Materials

Table 79. Near-Memory AI Accelerator Chip Distributors List

Table 80. Near-Memory AI Accelerator Chip Customer List

Table 81. Global Near-Memory AI Accelerator Chip Sales Forecast by Region (2027-2032) & (Million Units)

Table 82. Global Near-Memory AI Accelerator Chip Revenue Forecast by Region (2027-2032) & (\$ millions)

Table 83. Americas Near-Memory AI Accelerator Chip Sales Forecast by Country (2027-2032) & (Million Units)

Table 84. Americas Near-Memory AI Accelerator Chip Annual Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 85. APAC Near-Memory AI Accelerator Chip Sales Forecast by Region (2027-2032) & (Million Units)

Table 86. APAC Near-Memory AI Accelerator Chip Annual Revenue Forecast by Region (2027-2032) & (\$ millions)

Table 87. Europe Near-Memory AI Accelerator Chip Sales Forecast by Country (2027-2032) & (Million Units)

Table 88. Europe Near-Memory AI Accelerator Chip Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 89. Middle East & Africa Near-Memory AI Accelerator Chip Sales Forecast by Country (2027-2032) & (Million Units)

Table 90. Middle East & Africa Near-Memory AI Accelerator Chip Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 91. Global Near-Memory AI Accelerator Chip Sales Forecast by Technology Paradigm (2027-2032) & (Million Units)

Table 92. Global Near-Memory AI Accelerator Chip Revenue Forecast by Technology Paradigm (2027-2032) & (\$ millions)

Table 93. Global Near-Memory AI Accelerator Chip Sales Forecast by Application (2027-2032) & (Million Units)

Table 94. Global Near-Memory AI Accelerator Chip Revenue Forecast by Application (2027-2032) & (\$ millions)

Table 95. d-Matrix Basic Information, Near-Memory AI Accelerator Chip Manufacturing Base, Sales Area and Its Competitors

Table 96. d-Matrix Near-Memory AI Accelerator Chip Product Portfolios and Specifications

Table 97. d-Matrix Near-Memory AI Accelerator Chip Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 98. d-Matrix Main Business

Table 99. d-Matrix Latest Developments

Table 100. EnCharge AI Basic Information, Near-Memory AI Accelerator Chip Manufacturing Base, Sales Area and Its Competitors

Table 101. EnCharge AI Near-Memory AI Accelerator Chip Product Portfolios and Specifications

Table 102. EnCharge AI Near-Memory AI Accelerator Chip Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 103. EnCharge AI Main Business

Table 104. EnCharge AI Latest Developments

Table 105. Mythic Basic Information, Near-Memory AI Accelerator Chip Manufacturing Base, Sales Area and Its Competitors

Table 106. Mythic Near-Memory AI Accelerator Chip Product Portfolios and Specifications

Table 107. Mythic Near-Memory AI Accelerator Chip Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 108. Mythic Main Business

Table 109. Mythic Latest Developments

Table 110. TetraMem Basic Information, Near-Memory AI Accelerator Chip Manufacturing Base, Sales Area and Its Competitors

Table 111. TetraMem Near-Memory AI Accelerator Chip Product Portfolios and

Specifications

Table 112. TetraMem Near-Memory AI Accelerator Chip Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 113. TetraMem Main Business

Table 114. TetraMem Latest Developments

Table 115. Axelera AI Basic Information, Near-Memory AI Accelerator Chip Manufacturing Base, Sales Area and Its Competitors

Table 116. Axelera AI Near-Memory AI Accelerator Chip Product Portfolios and Specifications

Table 117. Axelera AI Near-Memory AI Accelerator Chip Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 118. Axelera AI Main Business

Table 119. Axelera AI Latest Developments

Table 120. GSI Technology Basic Information, Near-Memory AI Accelerator Chip Manufacturing Base, Sales Area and Its Competitors

Table 121. GSI Technology Near-Memory AI Accelerator Chip Product Portfolios and Specifications

Table 122. GSI Technology Near-Memory AI Accelerator Chip Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 123. GSI Technology Main Business

Table 124. GSI Technology Latest Developments

Table 125. Samsung Electronics Basic Information, Near-Memory AI Accelerator Chip Manufacturing Base, Sales Area and Its Competitors

Table 126. Samsung Electronics Near-Memory AI Accelerator Chip Product Portfolios and Specifications

Table 127. Samsung Electronics Near-Memory AI Accelerator Chip Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 128. Samsung Electronics Main Business

Table 129. Samsung Electronics Latest Developments

Table 130. SK hynix Basic Information, Near-Memory AI Accelerator Chip Manufacturing Base, Sales Area and Its Competitors

Table 131. SK hynix Near-Memory AI Accelerator Chip Product Portfolios and Specifications

Table 132. SK hynix Near-Memory AI Accelerator Chip Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 133. SK hynix Main Business

Table 134. SK hynix Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of Near-Memory AI Accelerator Chip
- Figure 2. Near-Memory AI Accelerator Chip Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Near-Memory AI Accelerator Chip Sales Growth Rate 2021-2032 (Million Units)
- Figure 7. Global Near-Memory AI Accelerator Chip Revenue Growth Rate 2021-2032 (\$ millions)
- Figure 8. Near-Memory AI Accelerator Chip Sales by Geographic Region (2021, 2025 & 2032) & (\$ millions)
- Figure 9. Near-Memory AI Accelerator Chip Sales Market Share by Country/Region (2025)
- Figure 10. Near-Memory AI Accelerator Chip Sales Market Share by Country/Region (2021, 2025 & 2032)
- Figure 11. Product Picture of Digital In-Memory Computing
- Figure 12. Product Picture of Analog In-Memory Computing
- Figure 13. Product Picture of Processing-in-Memory
- Figure 14. Product Picture of Other
- Figure 15. Global Near-Memory AI Accelerator Chip Sales Market Share by Technology Paradigm in 2026
- Figure 16. Global Near-Memory AI Accelerator Chip Revenue Market Share by Technology Paradigm (2021-2026)
- Figure 17. Product Picture of INT4
- Figure 18. Product Picture of INT8
- Figure 19. Product Picture of FP8
- Figure 20. Product Picture of BF16
- Figure 21. Product Picture of Mixed Precision
- Figure 22. Global Near-Memory AI Accelerator Chip Sales Market Share by Data Precision in 2026
- Figure 23. Global Near-Memory AI Accelerator Chip Revenue Market Share by Data Precision (2021-2026)
- Figure 24. Product Picture of Inside Memory Array
- Figure 25. Product Picture of Near On-Chip Cache
- Figure 26. Product Picture of Memory Buffer Chip

Figure 27. Product Picture of Inside HBM Stack

Figure 28. Product Picture of Inside DRAM Module

Figure 29. Product Picture of Beside Accelerator Card Local Memory

Figure 30. Global Near-Memory AI Accelerator Chip Sales Market Share by Integration Location in 2026

Figure 31. Global Near-Memory AI Accelerator Chip Revenue Market Share by Integration Location (2021-2026)

Figure 32. Near-Memory AI Accelerator Chip Consumed in Data Center LLM Inference

Figure 33. Global Near-Memory AI Accelerator Chip Market: Data Center LLM Inference (2021-2026) & (Million Units)

Figure 34. Near-Memory AI Accelerator Chip Consumed in Edge Vision Inference

Figure 35. Global Near-Memory AI Accelerator Chip Market: Edge Vision Inference (2021-2026) & (Million Units)

Figure 36. Near-Memory AI Accelerator Chip Consumed in Low-Power Sensing Inference

Figure 37. Global Near-Memory AI Accelerator Chip Market: Low-Power Sensing Inference (2021-2026) & (Million Units)

Figure 38. Near-Memory AI Accelerator Chip Consumed in Vector Search Acceleration

Figure 39. Global Near-Memory AI Accelerator Chip Market: Vector Search Acceleration (2021-2026) & (Million Units)

Figure 40. Near-Memory AI Accelerator Chip Consumed in Recommendation System Acceleration

Figure 41. Global Near-Memory AI Accelerator Chip Market: Recommendation System Acceleration (2021-2026) & (Million Units)

Figure 42. Near-Memory AI Accelerator Chip Consumed in Mobile AI Inference

Figure 43. Global Near-Memory AI Accelerator Chip Market: Mobile AI Inference (2021-2026) & (Million Units)

Figure 44. Near-Memory AI Accelerator Chip Consumed in In-Memory Database Acceleration

Figure 45. Global Near-Memory AI Accelerator Chip Market: In-Memory Database Acceleration (2021-2026) & (Million Units)

Figure 46. Global Near-Memory AI Accelerator Chip Sale Market Share by Application (2025)

Figure 47. Global Near-Memory AI Accelerator Chip Revenue Market Share by Application in 2025

Figure 48. Near-Memory AI Accelerator Chip Sales by Company in 2025 (Million Units)

Figure 49. Global Near-Memory AI Accelerator Chip Sales Market Share by Company in 2025

Figure 50. Near-Memory AI Accelerator Chip Revenue by Company in 2025 (\$ millions)

Figure 51. Global Near-Memory AI Accelerator Chip Revenue Market Share by Company in 2025

Figure 52. Global Near-Memory AI Accelerator Chip Sales Market Share by Geographic Region (2021-2026)

Figure 53. Global Near-Memory AI Accelerator Chip Revenue Market Share by Geographic Region in 2025

Figure 54. Americas Near-Memory AI Accelerator Chip Sales 2021-2026 (Million Units)

Figure 55. Americas Near-Memory AI Accelerator Chip Revenue 2021-2026 (\$ millions)

Figure 56. APAC Near-Memory AI Accelerator Chip Sales 2021-2026 (Million Units)

Figure 57. APAC Near-Memory AI Accelerator Chip Revenue 2021-2026 (\$ millions)

Figure 58. Europe Near-Memory AI Accelerator Chip Sales 2021-2026 (Million Units)

Figure 59. Europe Near-Memory AI Accelerator Chip Revenue 2021-2026 (\$ millions)

Figure 60. Middle East & Africa Near-Memory AI Accelerator Chip Sales 2021-2026 (Million Units)

Figure 61. Middle East & Africa Near-Memory AI Accelerator Chip Revenue 2021-2026 (\$ millions)

Figure 62. Americas Near-Memory AI Accelerator Chip Sales Market Share by Country in 2025

Figure 63. Americas Near-Memory AI Accelerator Chip Revenue Market Share by Country (2021-2026)

Figure 64. Americas Near-Memory AI Accelerator Chip Sales Market Share by Technology Paradigm (2021-2026)

Figure 65. Americas Near-Memory AI Accelerator Chip Sales Market Share by Application (2021-2026)

Figure 66. United States Near-Memory AI Accelerator Chip Revenue Growth 2021-2026 (\$ millions)

Figure 67. Canada Near-Memory AI Accelerator Chip Revenue Growth 2021-2026 (\$ millions)

Figure 68. Mexico Near-Memory AI Accelerator Chip Revenue Growth 2021-2026 (\$ millions)

Figure 69. Brazil Near-Memory AI Accelerator Chip Revenue Growth 2021-2026 (\$ millions)

Figure 70. APAC Near-Memory AI Accelerator Chip Sales Market Share by Region in 2025

Figure 71. APAC Near-Memory AI Accelerator Chip Revenue Market Share by Region (2021-2026)

Figure 72. APAC Near-Memory AI Accelerator Chip Sales Market Share by Technology Paradigm (2021-2026)

Figure 73. APAC Near-Memory AI Accelerator Chip Sales Market Share by Application

(2021-2026)

Figure 74. China Near-Memory AI Accelerator Chip Revenue Growth 2021-2026 (\$ millions)

Figure 75. Japan Near-Memory AI Accelerator Chip Revenue Growth 2021-2026 (\$ millions)

Figure 76. South Korea Near-Memory AI Accelerator Chip Revenue Growth 2021-2026 (\$ millions)

Figure 77. Southeast Asia Near-Memory AI Accelerator Chip Revenue Growth 2021-2026 (\$ millions)

Figure 78. India Near-Memory AI Accelerator Chip Revenue Growth 2021-2026 (\$ millions)

Figure 79. Australia Near-Memory AI Accelerator Chip Revenue Growth 2021-2026 (\$ millions)

Figure 80. China Taiwan Near-Memory AI Accelerator Chip Revenue Growth 2021-2026 (\$ millions)

Figure 81. Europe Near-Memory AI Accelerator Chip Sales Market Share by Country in 2025

Figure 82. Europe Near-Memory AI Accelerator Chip Revenue Market Share by Country (2021-2026)

Figure 83. Europe Near-Memory AI Accelerator Chip Sales Market Share by Technology Paradigm (2021-2026)

Figure 84. Europe Near-Memory AI Accelerator Chip Sales Market Share by Application (2021-2026)

Figure 85. Germany Near-Memory AI Accelerator Chip Revenue Growth 2021-2026 (\$ millions)

Figure 86. France Near-Memory AI Accelerator Chip Revenue Growth 2021-2026 (\$ millions)

Figure 87. UK Near-Memory AI Accelerator Chip Revenue Growth 2021-2026 (\$ millions)

Figure 88. Italy Near-Memory AI Accelerator Chip Revenue Growth 2021-2026 (\$ millions)

Figure 89. Russia Near-Memory AI Accelerator Chip Revenue Growth 2021-2026 (\$ millions)

Figure 90. Middle East & Africa Near-Memory AI Accelerator Chip Sales Market Share by Country (2021-2026)

Figure 91. Middle East & Africa Near-Memory AI Accelerator Chip Sales Market Share by Technology Paradigm (2021-2026)

Figure 92. Middle East & Africa Near-Memory AI Accelerator Chip Sales Market Share by Application (2021-2026)

Figure 93. Egypt Near-Memory AI Accelerator Chip Revenue Growth 2021-2026 (\$ millions)

Figure 94. South Africa Near-Memory AI Accelerator Chip Revenue Growth 2021-2026 (\$ millions)

Figure 95. Israel Near-Memory AI Accelerator Chip Revenue Growth 2021-2026 (\$ millions)

Figure 96. Turkey Near-Memory AI Accelerator Chip Revenue Growth 2021-2026 (\$ millions)

Figure 97. GCC Countries Near-Memory AI Accelerator Chip Revenue Growth 2021-2026 (\$ millions)

Figure 98. Manufacturing Cost Structure Analysis of Near-Memory AI Accelerator Chip in 2026

Figure 99. Manufacturing Process Analysis of Near-Memory AI Accelerator Chip

Figure 100. Industry Chain Structure of Near-Memory AI Accelerator Chip

Figure 101. Channels of Distribution

Figure 102. Global Near-Memory AI Accelerator Chip Sales Market Forecast by Region (2027-2032)

Figure 103. Global Near-Memory AI Accelerator Chip Revenue Market Share Forecast by Region (2027-2032)

Figure 104. Global Near-Memory AI Accelerator Chip Sales Market Share Forecast by Technology Paradigm (2027-2032)

Figure 105. Global Near-Memory AI Accelerator Chip Revenue Market Share Forecast by Technology Paradigm (2027-2032)

Figure 106. Global Near-Memory AI Accelerator Chip Sales Market Share Forecast by Application (2027-2032)

Figure 107. Global Near-Memory AI Accelerator Chip Revenue Market Share Forecast by Application (2027-2032)

I would like to order

Product name: Global Near-Memory AI Accelerator Chip Market Growth 2026-2032

Product link: <https://marketpublishers.com/r/G25DC705DA9EEN.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/G25DC705DA9EEN.html>