

# Global Deep Learning Chip Market Research Report 2024(Status and Outlook)

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## Abstracts

### Report Overview:

Deep learning technology is driving the evolution of artificial intelligence (AI) and has become one of the hottest topics of discussion within the technology world and beyond. Given the rate at which deep learning is progressing, some industry observers are predicting it will bring about a doomsday scenario, while others strive for a time when the technology can transform business processes and create new business models through scalable, more efficient automation and predictive capabilities. The current market climate is ripe for innovation in hardware in general, and chipsets more specifically. In the industry, NVIDIA profits most in 2016 and recent years, while Intel and IBM ranked 2 and 3. The market share of them is 26.72%, 20.57% and 12.56% in 2016. The gap of market share is keep on enlarged due to different strategy.

The Global Deep Learning Chip Market Size was estimated at USD 3365.92 million in 2023 and is projected to reach USD 4137.57 million by 2029, exhibiting a CAGR of 3.50% during the forecast period.

This report provides a deep insight into the global Deep Learning Chip market covering all its essential aspects. This ranges from a macro overview of the market to micro details of the market size, competitive landscape, development trend, niche market, key market drivers and challenges, SWOT analysis, Porter's five forces analysis, value chain analysis, etc.

The analysis helps the reader to shape the competition within the industries and strategies for the competitive environment to enhance the potential profit. Furthermore, it provides a simple framework for evaluating and accessing the position of the business

organization. The report structure also focuses on the competitive landscape of the Global Deep Learning Chip Market, this report introduces in detail the market share, market performance, product situation, operation situation, etc. of the main players, which helps the readers in the industry to identify the main competitors and deeply understand the competition pattern of the market.

In a word, this report is a must-read for industry players, investors, researchers, consultants, business strategists, and all those who have any kind of stake or are planning to foray into the Deep Learning Chip market in any manner.

### Global Deep Learning Chip Market: Market Segmentation Analysis

The research report includes specific segments by region (country), manufacturers, Type, and Application. Market segmentation creates subsets of a market based on product type, end-user or application, Geographic, and other factors. By understanding the market segments, the decision-maker can leverage this targeting in the product, sales, and marketing strategies. Market segments can power your product development cycles by informing how you create product offerings for different segments.

#### Key Company

NVIDIA

Intel

IBM

Qualcomm

CEVA

KnuEdge

AMD

Xilinx

ARM

Google

Graphcore

TeraDeep

Wave Computing

BrainChip

Market Segmentation (by Type)

Graphics Processing Units (GPUs)

Central Processing Units (CPUs)

Application Specific Integrated Circuits (ASICs)

Field Programmable Gate Arrays (FPGAs)

Others

Market Segmentation (by Application)

Consumer Electronics

Aerospace, Military & Defense

Automotive

Industrial

Medical

Others

Geographic Segmentation

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Russia, Italy, Rest of Europe)

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

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

The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

#### Key Benefits of This Market Research:

Industry drivers, restraints, and opportunities covered in the study

Neutral perspective on the market performance

Recent industry trends and developments

Competitive landscape & strategies of key players

Potential & niche segments and regions exhibiting promising growth covered

Historical, current, and projected market size, in terms of value

In-depth analysis of the Deep Learning Chip Market

Overview of the regional outlook of the Deep Learning Chip Market:

#### Key Reasons to Buy this Report:

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change

This enables you to anticipate market changes to remain ahead of your competitors

You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly

Provision of market value (USD Billion) data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

6-month post-sales analyst support

## Customization of the Report

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

Note: this report may need to undergo a final check or review and this could take about 48 hours.

## Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the Deep Learning Chip Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the Market's Competitive Landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future

development prospects, market space, and capacity of each country in the world.

Chapter 9 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 10 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 11 provides a quantitative analysis of the market size and development potential of each market segment (product type and application) in the next five years.

Chapter 12 is the main points and conclusions of the report.

## Contents

### **1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE**

- 1.1 Market Definition and Statistical Scope of Deep Learning Chip
- 1.2 Key Market Segments
  - 1.2.1 Deep Learning Chip Segment by Type
  - 1.2.2 Deep Learning Chip Segment by Application
- 1.3 Methodology & Sources of Information
  - 1.3.1 Research Methodology
  - 1.3.2 Research Process
  - 1.3.3 Market Breakdown and Data Triangulation
  - 1.3.4 Base Year
  - 1.3.5 Report Assumptions & Caveats

### **2 DEEP LEARNING CHIP MARKET OVERVIEW**

- 2.1 Global Market Overview
  - 2.1.1 Global Deep Learning Chip Market Size (M USD) Estimates and Forecasts (2019-2030)
  - 2.1.2 Global Deep Learning Chip Sales Estimates and Forecasts (2019-2030)
- 2.2 Market Segment Executive Summary
- 2.3 Global Market Size by Region

### **3 DEEP LEARNING CHIP MARKET COMPETITIVE LANDSCAPE**

- 3.1 Global Deep Learning Chip Sales by Manufacturers (2019-2024)
- 3.2 Global Deep Learning Chip Revenue Market Share by Manufacturers (2019-2024)
- 3.3 Deep Learning Chip Market Share by Company Type (Tier 1, Tier 2, and Tier 3)
- 3.4 Global Deep Learning Chip Average Price by Manufacturers (2019-2024)
- 3.5 Manufacturers Deep Learning Chip Sales Sites, Area Served, Product Type
- 3.6 Deep Learning Chip Market Competitive Situation and Trends
  - 3.6.1 Deep Learning Chip Market Concentration Rate
  - 3.6.2 Global 5 and 10 Largest Deep Learning Chip Players Market Share by Revenue
  - 3.6.3 Mergers & Acquisitions, Expansion

### **4 DEEP LEARNING CHIP INDUSTRY CHAIN ANALYSIS**

- 4.1 Deep Learning Chip Industry Chain Analysis



- 4.2 Market Overview of Key Raw Materials
- 4.3 Midstream Market Analysis
- 4.4 Downstream Customer Analysis

## **5 THE DEVELOPMENT AND DYNAMICS OF DEEP LEARNING CHIP MARKET**

- 5.1 Key Development Trends
- 5.2 Driving Factors
- 5.3 Market Challenges
- 5.4 Market Restraints
- 5.5 Industry News
  - 5.5.1 New Product Developments
  - 5.5.2 Mergers & Acquisitions
  - 5.5.3 Expansions
  - 5.5.4 Collaboration/Supply Contracts
- 5.6 Industry Policies

## **6 DEEP LEARNING CHIP MARKET SEGMENTATION BY TYPE**

- 6.1 Evaluation Matrix of Segment Market Development Potential (Type)
- 6.2 Global Deep Learning Chip Sales Market Share by Type (2019-2024)
- 6.3 Global Deep Learning Chip Market Size Market Share by Type (2019-2024)
- 6.4 Global Deep Learning Chip Price by Type (2019-2024)

## **7 DEEP LEARNING CHIP MARKET SEGMENTATION BY APPLICATION**

- 7.1 Evaluation Matrix of Segment Market Development Potential (Application)
- 7.2 Global Deep Learning Chip Market Sales by Application (2019-2024)
- 7.3 Global Deep Learning Chip Market Size (M USD) by Application (2019-2024)
- 7.4 Global Deep Learning Chip Sales Growth Rate by Application (2019-2024)

## **8 DEEP LEARNING CHIP MARKET SEGMENTATION BY REGION**

- 8.1 Global Deep Learning Chip Sales by Region
  - 8.1.1 Global Deep Learning Chip Sales by Region
  - 8.1.2 Global Deep Learning Chip Sales Market Share by Region
- 8.2 North America
  - 8.2.1 North America Deep Learning Chip Sales by Country
  - 8.2.2 U.S.

8.2.3 Canada

8.2.4 Mexico

8.3 Europe

8.3.1 Europe Deep Learning Chip Sales by Country

8.3.2 Germany

8.3.3 France

8.3.4 U.K.

8.3.5 Italy

8.3.6 Russia

8.4 Asia Pacific

8.4.1 Asia Pacific Deep Learning Chip Sales by Region

8.4.2 China

8.4.3 Japan

8.4.4 South Korea

8.4.5 India

8.4.6 Southeast Asia

8.5 South America

8.5.1 South America Deep Learning Chip Sales by Country

8.5.2 Brazil

8.5.3 Argentina

8.5.4 Columbia

8.6 Middle East and Africa

8.6.1 Middle East and Africa Deep Learning Chip Sales by Region

8.6.2 Saudi Arabia

8.6.3 UAE

8.6.4 Egypt

8.6.5 Nigeria

8.6.6 South Africa

## **9 KEY COMPANIES PROFILE**

9.1 NVIDIA

9.1.1 NVIDIA Deep Learning Chip Basic Information

9.1.2 NVIDIA Deep Learning Chip Product Overview

9.1.3 NVIDIA Deep Learning Chip Product Market Performance

9.1.4 NVIDIA Business Overview

9.1.5 NVIDIA Deep Learning Chip SWOT Analysis

9.1.6 NVIDIA Recent Developments

9.2 Intel

- 9.2.1 Intel Deep Learning Chip Basic Information
- 9.2.2 Intel Deep Learning Chip Product Overview
- 9.2.3 Intel Deep Learning Chip Product Market Performance
- 9.2.4 Intel Business Overview
- 9.2.5 Intel Deep Learning Chip SWOT Analysis
- 9.2.6 Intel Recent Developments
- 9.3 IBM
  - 9.3.1 IBM Deep Learning Chip Basic Information
  - 9.3.2 IBM Deep Learning Chip Product Overview
  - 9.3.3 IBM Deep Learning Chip Product Market Performance
  - 9.3.4 IBM Deep Learning Chip SWOT Analysis
  - 9.3.5 IBM Business Overview
  - 9.3.6 IBM Recent Developments
- 9.4 Qualcomm
  - 9.4.1 Qualcomm Deep Learning Chip Basic Information
  - 9.4.2 Qualcomm Deep Learning Chip Product Overview
  - 9.4.3 Qualcomm Deep Learning Chip Product Market Performance
  - 9.4.4 Qualcomm Business Overview
  - 9.4.5 Qualcomm Recent Developments
- 9.5 CEVA
  - 9.5.1 CEVA Deep Learning Chip Basic Information
  - 9.5.2 CEVA Deep Learning Chip Product Overview
  - 9.5.3 CEVA Deep Learning Chip Product Market Performance
  - 9.5.4 CEVA Business Overview
  - 9.5.5 CEVA Recent Developments
- 9.6 KnuEdge
  - 9.6.1 KnuEdge Deep Learning Chip Basic Information
  - 9.6.2 KnuEdge Deep Learning Chip Product Overview
  - 9.6.3 KnuEdge Deep Learning Chip Product Market Performance
  - 9.6.4 KnuEdge Business Overview
  - 9.6.5 KnuEdge Recent Developments
- 9.7 AMD
  - 9.7.1 AMD Deep Learning Chip Basic Information
  - 9.7.2 AMD Deep Learning Chip Product Overview
  - 9.7.3 AMD Deep Learning Chip Product Market Performance
  - 9.7.4 AMD Business Overview
  - 9.7.5 AMD Recent Developments
- 9.8 Xilinx
  - 9.8.1 Xilinx Deep Learning Chip Basic Information

9.8.2 Xilinx Deep Learning Chip Product Overview

9.8.3 Xilinx Deep Learning Chip Product Market Performance

9.8.4 Xilinx Business Overview

9.8.5 Xilinx Recent Developments

## 9.9 ARM

9.9.1 ARM Deep Learning Chip Basic Information

9.9.2 ARM Deep Learning Chip Product Overview

9.9.3 ARM Deep Learning Chip Product Market Performance

9.9.4 ARM Business Overview

9.9.5 ARM Recent Developments

## 9.10 Google

9.10.1 Google Deep Learning Chip Basic Information

9.10.2 Google Deep Learning Chip Product Overview

9.10.3 Google Deep Learning Chip Product Market Performance

9.10.4 Google Business Overview

9.10.5 Google Recent Developments

## 9.11 Graphcore

9.11.1 Graphcore Deep Learning Chip Basic Information

9.11.2 Graphcore Deep Learning Chip Product Overview

9.11.3 Graphcore Deep Learning Chip Product Market Performance

9.11.4 Graphcore Business Overview

9.11.5 Graphcore Recent Developments

## 9.12 TeraDeep

9.12.1 TeraDeep Deep Learning Chip Basic Information

9.12.2 TeraDeep Deep Learning Chip Product Overview

9.12.3 TeraDeep Deep Learning Chip Product Market Performance

9.12.4 TeraDeep Business Overview

9.12.5 TeraDeep Recent Developments

## 9.13 Wave Computing

9.13.1 Wave Computing Deep Learning Chip Basic Information

9.13.2 Wave Computing Deep Learning Chip Product Overview

9.13.3 Wave Computing Deep Learning Chip Product Market Performance

9.13.4 Wave Computing Business Overview

9.13.5 Wave Computing Recent Developments

## 9.14 BrainChip

9.14.1 BrainChip Deep Learning Chip Basic Information

9.14.2 BrainChip Deep Learning Chip Product Overview

9.14.3 BrainChip Deep Learning Chip Product Market Performance

9.14.4 BrainChip Business Overview

#### 9.14.5 BrainChip Recent Developments

### **10 DEEP LEARNING CHIP MARKET FORECAST BY REGION**

#### 10.1 Global Deep Learning Chip Market Size Forecast

#### 10.2 Global Deep Learning Chip Market Forecast by Region

##### 10.2.1 North America Market Size Forecast by Country

##### 10.2.2 Europe Deep Learning Chip Market Size Forecast by Country

##### 10.2.3 Asia Pacific Deep Learning Chip Market Size Forecast by Region

##### 10.2.4 South America Deep Learning Chip Market Size Forecast by Country

##### 10.2.5 Middle East and Africa Forecasted Consumption of Deep Learning Chip by Country

### **11 FORECAST MARKET BY TYPE AND BY APPLICATION (2025-2030)**

#### 11.1 Global Deep Learning Chip Market Forecast by Type (2025-2030)

##### 11.1.1 Global Forecasted Sales of Deep Learning Chip by Type (2025-2030)

##### 11.1.2 Global Deep Learning Chip Market Size Forecast by Type (2025-2030)

##### 11.1.3 Global Forecasted Price of Deep Learning Chip by Type (2025-2030)

#### 11.2 Global Deep Learning Chip Market Forecast by Application (2025-2030)

##### 11.2.1 Global Deep Learning Chip Sales (K Units) Forecast by Application

##### 11.2.2 Global Deep Learning Chip Market Size (M USD) Forecast by Application (2025-2030)

### **12 CONCLUSION AND KEY FINDINGS**

## List Of Tables

### LIST OF TABLES

- Table 1. Introduction of the Type
- Table 2. Introduction of the Application
- Table 3. Market Size (M USD) Segment Executive Summary
- Table 4. Deep Learning Chip Market Size Comparison by Region (M USD)
- Table 5. Global Deep Learning Chip Sales (K Units) by Manufacturers (2019-2024)
- Table 6. Global Deep Learning Chip Sales Market Share by Manufacturers (2019-2024)
- Table 7. Global Deep Learning Chip Revenue (M USD) by Manufacturers (2019-2024)
- Table 8. Global Deep Learning Chip Revenue Share by Manufacturers (2019-2024)
- Table 9. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in Deep Learning Chip as of 2022)
- Table 10. Global Market Deep Learning Chip Average Price (USD/Unit) of Key Manufacturers (2019-2024)
- Table 11. Manufacturers Deep Learning Chip Sales Sites and Area Served
- Table 12. Manufacturers Deep Learning Chip Product Type
- Table 13. Global Deep Learning Chip Manufacturers Market Concentration Ratio (CR5 and HHI)
- Table 14. Mergers & Acquisitions, Expansion Plans
- Table 15. Industry Chain Map of Deep Learning Chip
- Table 16. Market Overview of Key Raw Materials
- Table 17. Midstream Market Analysis
- Table 18. Downstream Customer Analysis
- Table 19. Key Development Trends
- Table 20. Driving Factors
- Table 21. Deep Learning Chip Market Challenges
- Table 22. Global Deep Learning Chip Sales by Type (K Units)
- Table 23. Global Deep Learning Chip Market Size by Type (M USD)
- Table 24. Global Deep Learning Chip Sales (K Units) by Type (2019-2024)
- Table 25. Global Deep Learning Chip Sales Market Share by Type (2019-2024)
- Table 26. Global Deep Learning Chip Market Size (M USD) by Type (2019-2024)
- Table 27. Global Deep Learning Chip Market Size Share by Type (2019-2024)
- Table 28. Global Deep Learning Chip Price (USD/Unit) by Type (2019-2024)
- Table 29. Global Deep Learning Chip Sales (K Units) by Application
- Table 30. Global Deep Learning Chip Market Size by Application
- Table 31. Global Deep Learning Chip Sales by Application (2019-2024) & (K Units)
- Table 32. Global Deep Learning Chip Sales Market Share by Application (2019-2024)



- Table 33. Global Deep Learning Chip Sales by Application (2019-2024) & (M USD)
- Table 34. Global Deep Learning Chip Market Share by Application (2019-2024)
- Table 35. Global Deep Learning Chip Sales Growth Rate by Application (2019-2024)
- Table 36. Global Deep Learning Chip Sales by Region (2019-2024) & (K Units)
- Table 37. Global Deep Learning Chip Sales Market Share by Region (2019-2024)
- Table 38. North America Deep Learning Chip Sales by Country (2019-2024) & (K Units)
- Table 39. Europe Deep Learning Chip Sales by Country (2019-2024) & (K Units)
- Table 40. Asia Pacific Deep Learning Chip Sales by Region (2019-2024) & (K Units)
- Table 41. South America Deep Learning Chip Sales by Country (2019-2024) & (K Units)
- Table 42. Middle East and Africa Deep Learning Chip Sales by Region (2019-2024) & (K Units)
- Table 43. NVIDIA Deep Learning Chip Basic Information
- Table 44. NVIDIA Deep Learning Chip Product Overview
- Table 45. NVIDIA Deep Learning Chip Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 46. NVIDIA Business Overview
- Table 47. NVIDIA Deep Learning Chip SWOT Analysis
- Table 48. NVIDIA Recent Developments
- Table 49. Intel Deep Learning Chip Basic Information
- Table 50. Intel Deep Learning Chip Product Overview
- Table 51. Intel Deep Learning Chip Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 52. Intel Business Overview
- Table 53. Intel Deep Learning Chip SWOT Analysis
- Table 54. Intel Recent Developments
- Table 55. IBM Deep Learning Chip Basic Information
- Table 56. IBM Deep Learning Chip Product Overview
- Table 57. IBM Deep Learning Chip Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 58. IBM Deep Learning Chip SWOT Analysis
- Table 59. IBM Business Overview
- Table 60. IBM Recent Developments
- Table 61. Qualcomm Deep Learning Chip Basic Information
- Table 62. Qualcomm Deep Learning Chip Product Overview
- Table 63. Qualcomm Deep Learning Chip Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 64. Qualcomm Business Overview
- Table 65. Qualcomm Recent Developments
- Table 66. CEVA Deep Learning Chip Basic Information

- Table 67. CEVA Deep Learning Chip Product Overview
- Table 68. CEVA Deep Learning Chip Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 69. CEVA Business Overview
- Table 70. CEVA Recent Developments
- Table 71. KnuEdge Deep Learning Chip Basic Information
- Table 72. KnuEdge Deep Learning Chip Product Overview
- Table 73. KnuEdge Deep Learning Chip Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 74. KnuEdge Business Overview
- Table 75. KnuEdge Recent Developments
- Table 76. AMD Deep Learning Chip Basic Information
- Table 77. AMD Deep Learning Chip Product Overview
- Table 78. AMD Deep Learning Chip Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 79. AMD Business Overview
- Table 80. AMD Recent Developments
- Table 81. Xilinx Deep Learning Chip Basic Information
- Table 82. Xilinx Deep Learning Chip Product Overview
- Table 83. Xilinx Deep Learning Chip Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 84. Xilinx Business Overview
- Table 85. Xilinx Recent Developments
- Table 86. ARM Deep Learning Chip Basic Information
- Table 87. ARM Deep Learning Chip Product Overview
- Table 88. ARM Deep Learning Chip Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 89. ARM Business Overview
- Table 90. ARM Recent Developments
- Table 91. Google Deep Learning Chip Basic Information
- Table 92. Google Deep Learning Chip Product Overview
- Table 93. Google Deep Learning Chip Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 94. Google Business Overview
- Table 95. Google Recent Developments
- Table 96. Graphcore Deep Learning Chip Basic Information
- Table 97. Graphcore Deep Learning Chip Product Overview
- Table 98. Graphcore Deep Learning Chip Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)



- Table 99. Graphcore Business Overview
- Table 100. Graphcore Recent Developments
- Table 101. TeraDeep Deep Learning Chip Basic Information
- Table 102. TeraDeep Deep Learning Chip Product Overview
- Table 103. TeraDeep Deep Learning Chip Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 104. TeraDeep Business Overview
- Table 105. TeraDeep Recent Developments
- Table 106. Wave Computing Deep Learning Chip Basic Information
- Table 107. Wave Computing Deep Learning Chip Product Overview
- Table 108. Wave Computing Deep Learning Chip Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 109. Wave Computing Business Overview
- Table 110. Wave Computing Recent Developments
- Table 111. BrainChip Deep Learning Chip Basic Information
- Table 112. BrainChip Deep Learning Chip Product Overview
- Table 113. BrainChip Deep Learning Chip Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 114. BrainChip Business Overview
- Table 115. BrainChip Recent Developments
- Table 116. Global Deep Learning Chip Sales Forecast by Region (2025-2030) & (K Units)
- Table 117. Global Deep Learning Chip Market Size Forecast by Region (2025-2030) & (M USD)
- Table 118. North America Deep Learning Chip Sales Forecast by Country (2025-2030) & (K Units)
- Table 119. North America Deep Learning Chip Market Size Forecast by Country (2025-2030) & (M USD)
- Table 120. Europe Deep Learning Chip Sales Forecast by Country (2025-2030) & (K Units)
- Table 121. Europe Deep Learning Chip Market Size Forecast by Country (2025-2030) & (M USD)
- Table 122. Asia Pacific Deep Learning Chip Sales Forecast by Region (2025-2030) & (K Units)
- Table 123. Asia Pacific Deep Learning Chip Market Size Forecast by Region (2025-2030) & (M USD)
- Table 124. South America Deep Learning Chip Sales Forecast by Country (2025-2030) & (K Units)
- Table 125. South America Deep Learning Chip Market Size Forecast by Country

(2025-2030) & (M USD)

Table 126. Middle East and Africa Deep Learning Chip Consumption Forecast by Country (2025-2030) & (Units)

Table 127. Middle East and Africa Deep Learning Chip Market Size Forecast by Country (2025-2030) & (M USD)

Table 128. Global Deep Learning Chip Sales Forecast by Type (2025-2030) & (K Units)

Table 129. Global Deep Learning Chip Market Size Forecast by Type (2025-2030) & (M USD)

Table 130. Global Deep Learning Chip Price Forecast by Type (2025-2030) & (USD/Unit)

Table 131. Global Deep Learning Chip Sales (K Units) Forecast by Application (2025-2030)

Table 132. Global Deep Learning Chip Market Size Forecast by Application (2025-2030) & (M USD)

## List Of Figures

### LIST OF FIGURES

- Figure 1. Product Picture of Deep Learning Chip
- Figure 2. Data Triangulation
- Figure 3. Key Caveats
- Figure 4. Global Deep Learning Chip Market Size (M USD), 2019-2030
- Figure 5. Global Deep Learning Chip Market Size (M USD) (2019-2030)
- Figure 6. Global Deep Learning Chip Sales (K Units) & (2019-2030)
- Figure 7. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 8. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 9. Evaluation Matrix of Regional Market Development Potential
- Figure 10. Deep Learning Chip Market Size by Country (M USD)
- Figure 11. Deep Learning Chip Sales Share by Manufacturers in 2023
- Figure 12. Global Deep Learning Chip Revenue Share by Manufacturers in 2023
- Figure 13. Deep Learning Chip Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2023
- Figure 14. Global Market Deep Learning Chip Average Price (USD/Unit) of Key Manufacturers in 2023
- Figure 15. The Global 5 and 10 Largest Players: Market Share by Deep Learning Chip Revenue in 2023
- Figure 16. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 17. Global Deep Learning Chip Market Share by Type
- Figure 18. Sales Market Share of Deep Learning Chip by Type (2019-2024)
- Figure 19. Sales Market Share of Deep Learning Chip by Type in 2023
- Figure 20. Market Size Share of Deep Learning Chip by Type (2019-2024)
- Figure 21. Market Size Market Share of Deep Learning Chip by Type in 2023
- Figure 22. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 23. Global Deep Learning Chip Market Share by Application
- Figure 24. Global Deep Learning Chip Sales Market Share by Application (2019-2024)
- Figure 25. Global Deep Learning Chip Sales Market Share by Application in 2023
- Figure 26. Global Deep Learning Chip Market Share by Application (2019-2024)
- Figure 27. Global Deep Learning Chip Market Share by Application in 2023
- Figure 28. Global Deep Learning Chip Sales Growth Rate by Application (2019-2024)
- Figure 29. Global Deep Learning Chip Sales Market Share by Region (2019-2024)
- Figure 30. North America Deep Learning Chip Sales and Growth Rate (2019-2024) & (K Units)
- Figure 31. North America Deep Learning Chip Sales Market Share by Country in 2023

- Figure 32. U.S. Deep Learning Chip Sales and Growth Rate (2019-2024) & (K Units)
- Figure 33. Canada Deep Learning Chip Sales (K Units) and Growth Rate (2019-2024)
- Figure 34. Mexico Deep Learning Chip Sales (Units) and Growth Rate (2019-2024)
- Figure 35. Europe Deep Learning Chip Sales and Growth Rate (2019-2024) & (K Units)
- Figure 36. Europe Deep Learning Chip Sales Market Share by Country in 2023
- Figure 37. Germany Deep Learning Chip Sales and Growth Rate (2019-2024) & (K Units)
- Figure 38. France Deep Learning Chip Sales and Growth Rate (2019-2024) & (K Units)
- Figure 39. U.K. Deep Learning Chip Sales and Growth Rate (2019-2024) & (K Units)
- Figure 40. Italy Deep Learning Chip Sales and Growth Rate (2019-2024) & (K Units)
- Figure 41. Russia Deep Learning Chip Sales and Growth Rate (2019-2024) & (K Units)
- Figure 42. Asia Pacific Deep Learning Chip Sales and Growth Rate (K Units)
- Figure 43. Asia Pacific Deep Learning Chip Sales Market Share by Region in 2023
- Figure 44. China Deep Learning Chip Sales and Growth Rate (2019-2024) & (K Units)
- Figure 45. Japan Deep Learning Chip Sales and Growth Rate (2019-2024) & (K Units)
- Figure 46. South Korea Deep Learning Chip Sales and Growth Rate (2019-2024) & (K Units)
- Figure 47. India Deep Learning Chip Sales and Growth Rate (2019-2024) & (K Units)
- Figure 48. Southeast Asia Deep Learning Chip Sales and Growth Rate (2019-2024) & (K Units)
- Figure 49. South America Deep Learning Chip Sales and Growth Rate (K Units)
- Figure 50. South America Deep Learning Chip Sales Market Share by Country in 2023
- Figure 51. Brazil Deep Learning Chip Sales and Growth Rate (2019-2024) & (K Units)
- Figure 52. Argentina Deep Learning Chip Sales and Growth Rate (2019-2024) & (K Units)
- Figure 53. Columbia Deep Learning Chip Sales and Growth Rate (2019-2024) & (K Units)
- Figure 54. Middle East and Africa Deep Learning Chip Sales and Growth Rate (K Units)
- Figure 55. Middle East and Africa Deep Learning Chip Sales Market Share by Region in 2023
- Figure 56. Saudi Arabia Deep Learning Chip Sales and Growth Rate (2019-2024) & (K Units)
- Figure 57. UAE Deep Learning Chip Sales and Growth Rate (2019-2024) & (K Units)
- Figure 58. Egypt Deep Learning Chip Sales and Growth Rate (2019-2024) & (K Units)
- Figure 59. Nigeria Deep Learning Chip Sales and Growth Rate (2019-2024) & (K Units)
- Figure 60. South Africa Deep Learning Chip Sales and Growth Rate (2019-2024) & (K Units)
- Figure 61. Global Deep Learning Chip Sales Forecast by Volume (2019-2030) & (K Units)

Figure 62. Global Deep Learning Chip Market Size Forecast by Value (2019-2030) & (M USD)

Figure 63. Global Deep Learning Chip Sales Market Share Forecast by Type (2025-2030)

Figure 64. Global Deep Learning Chip Market Share Forecast by Type (2025-2030)

Figure 65. Global Deep Learning Chip Sales Forecast by Application (2025-2030)

Figure 66. Global Deep Learning Chip Market Share Forecast by Application (2025-2030)

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