

Global Deep Learning Chipset Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Deep Learning Chipset market size was valued at USD 3322.4 million in 2023 and is forecast to a readjusted size of USD 27870 million by 2030 with a CAGR of 35.5% during review period.

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.

NVIDIA, Intel and IBM are the leaders of the Deep Learning Chipset industry, which take about 50% market share. United States is the major region of the global market, which takes about 70% market share.

The Global Info Research report includes an overview of the development of the Deep Learning Chipset industry chain, the market status of Consumer (Graphics Processing Units (GPUs), Central Processing Units (CPUs)), Aerospace, Military & Defense (Graphics Processing Units (GPUs), Central Processing Units (CPUs)), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Deep Learning Chipset.

Regionally, the report analyzes the Deep Learning Chipset markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Deep Learning Chipset market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Deep Learning Chipset market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Deep Learning Chipset industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., Graphics Processing Units (GPUs), Central Processing Units (CPUs)).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Deep Learning Chipset market.

Regional Analysis: The report involves examining the Deep Learning Chipset market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Deep Learning Chipset market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Deep Learning Chipset:

Company Analysis: Report covers individual Deep Learning Chipset manufacturers, suppliers, and other relevant industry players. This analysis includes studying their

financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Deep Learning Chipset. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Consumer, Aerospace, Military & Defense).

Technology Analysis: Report covers specific technologies relevant to Deep Learning Chipset. It assesses the current state, advancements, and potential future developments in Deep Learning Chipset areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Deep Learning Chipset market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Deep Learning Chipset market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

Graphics Processing Units (GPUs)

Central Processing Units (CPUs)

Application Specific Integrated Circuits (ASICs)

Field Programmable Gate Arrays (FPGAs)

Others

Market segment by Application

Consumer

Aerospace, Military & Defense

Automotive

Industrial

Medical

Others

Major players covered

NVIDIA

Intel

IBM

Qualcomm

CEVA

KnuEdge

AMD

Xilinx

ARM

Google

Graphcore

TeraDeep

Wave Computing

BrainChip

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

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

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Deep Learning Chipset product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Deep Learning Chipset, with price, sales, revenue and global market share of Deep Learning Chipset from 2019 to 2024.

Chapter 3, the Deep Learning Chipset competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Deep Learning Chipset breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Deep Learning Chipset market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Deep Learning Chipset.

Chapter 14 and 15, to describe Deep Learning Chipset sales channel, distributors, customers, research findings and conclusion.

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