

Global AI Server Chip Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

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Abstracts

According to our (Global Info Research) latest study, the global AI Server Chip market size was valued at USD million in 2022 and is forecast to a readjusted size of USD million by 2029 with a CAGR of % during review period.

The AI server chip is an integrated circuit chip specially designed for artificial intelligence computing tasks, with a high degree of parallel computing capability, low power consumption and high memory bandwidth. These chips are equipped with specific hardware accelerators to speed up the training and inference process of deep learning, machine learning and other artificial intelligence applications.

The Global Info Research report includes an overview of the development of the AI Server Chip industry chain, the market status of Natural Language Processing (GPU, FPGA), Computer Vision (GPU, FPGA), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of AI Server Chip.

Regionally, the report analyzes the AI Server Chip 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 AI Server Chip market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the AI Server Chip 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 AI Server Chip 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., GPU, FPGA).

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 AI Server Chip market.

Regional Analysis: The report involves examining the AI Server Chip 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 AI Server Chip market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to AI Server Chip:

Company Analysis: Report covers individual AI Server Chip 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 AI Server Chip This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Natural Language Processing, Computer Vision).

Technology Analysis: Report covers specific technologies relevant to AI Server Chip. It assesses the current state, advancements, and potential future developments in AI Server Chip areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers,

the report present insights into the competitive landscape of the AI Server Chip 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

AI Server Chip market is split by Type and by Application. For the period 2018-2029, 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

GPU

FPGA

ASIC

Brain-like Chip

Market segment by Application

Natural Language Processing

Computer Vision

Speech Recognition

Autopilot

Others

Major players covered

NVIDIA

Intel

AMD

Huawei

Qualcomm

IBM

MediaTek

Inspur

Cerebras

Ampere

Graphcore

Bitmain

Groq

Cambrian

Beijing Horizon Robotics Technology Development Co., Ltd.

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 AI Server Chip product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of AI Server Chip, with price, sales, revenue and global market share of AI Server Chip from 2018 to 2023.

Chapter 3, the AI Server Chip competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the AI Server Chip breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

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 2022. and AI Server Chip market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends, Porters Five Forces analysis, and Influence of COVID-19 and Russia-Ukraine War.

Chapter 13, the key raw materials and key suppliers, and industry chain of AI Server Chip.

Chapter 14 and 15, to describe AI Server Chip sales channel, distributors, customers, research findings and conclusion.

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