

Global GPU Chips For AI 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 GPU Chips For AI 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 influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

The three key basic elements of AI are data, algorithms, and computing power. With the widespread application of cloud computing, especially deep learning has become the mainstream method of current AI research and application, AI's requirements for computing power continue to increase rapidly. According to the type of chips, AI computing power chips mainly include GPU, FPGA, and ASIC chips represented by TPU and VPU. Among them, GPU is the most used, and the market growth is strong.

This report is a detailed and comprehensive analysis for global GPU Chips For AI market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2023, are provided.

Key Features:

Global GPU Chips For AI market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2018-2029

Global GPU Chips For AI market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2018-2029

Global GPU Chips For AI market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2018-2029

Global GPU Chips For AI market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2018-2023

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for GPU Chips For AI

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global GPU Chips For AI market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include NVIDIA, AMD, Intel, Qualcomm and Imagination Technologies, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Market Segmentation

GPU Chips For AI 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. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

8G Below

8G-16G

16G-24G

24G Above

Market segment by Application

Artificial Intelligence Reasoning

Artificial Intelligence Training

High Performance Computing

Others

Major players covered

NVIDIA

AMD

Intel

Qualcomm

Imagination Technologies

Changsha Jingjia Microelectronics

Hangjintechology

VeriSilicon Microelectronics

Shanghai Biren Intelligent Technolog

Loongson Technology Corporation

Shanghai Megacore Integrated Circuit

MetaX

Sietium

Enflame-tech

Beijing Horizon Robotics Technology R&D

Blacksesame

Innosilicon Technology

HiSilicon Technologies

Iluvatar

Vastai Technologies

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 GPU Chips For AI product scope, market overview, market estimation caveats and base year.

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

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

Chapter 4, the GPU Chips For AI 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 GPU Chips For AI 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 GPU Chips For AI.

Chapter 14 and 15, to describe GPU Chips For AI sales channel, distributors, customers, research findings and conclusion.

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