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Global AI Chip Design Supply, Demand and Key Producers, 2023-2029

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Abstracts

The global AI Chip Design market size is expected to reach $ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

Chip design, also known as integrated circuit design (IC design), also known as VLSI design, refers to the design process aiming at integrated circuits and VLSI. Integrated circuit design involves the establishment of models for electronic devices (such as transistors, resistors, capacitors, etc.) and interconnections between devices. All devices and interconnects need to be placed on a piece of semiconductor substrate material. These components are placed on a single silicon substrate through semiconductor device manufacturing process (such as photolithography) to form a circuit. AI chips are also known as AI accelerators or computing cards, that is, modules specially used to deal with a large number of computing tasks in AI applications. This report focuses on AI chip design.

This report studies the global AI Chip Design demand, key companies, and key regions.

This report is a detailed and comprehensive analysis of the world market for AI Chip Design, and provides market size (US$ million) and Year-over-Year (YoY) growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of AI Chip Design that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global AI Chip Design total market, 2018-2029, (USD Million)

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Global AI Chip Design total market by region & country, CAGR, 2018-2029, (USD Million)

U.S. VS China: AI Chip Design total market, key domestic companies and share, (USD Million)

Global AI Chip Design revenue by player and market share 2018-2023, (USD Million)

Global AI Chip Design total market by Type, CAGR, 2018-2029, (USD Million)

Global AI Chip Design total market by Application, CAGR, 2018-2029, (USD Million)

This reports profiles major players in the global AI Chip Design market based on the following parameters – company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Intel, Nvidia, Samsung, AMD, Canaan Inc., Google, Huawei Hisilicon, Cambricon and Beijing Horizon Robotics Technology R&D Co., Ltd., etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World AI Chip Design market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US$ Millions), by player, by regions, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global AI Chip Design Market, By Region:

United States

China

Europe

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Japan

South Korea

ASEAN

India

Rest of World

Global AI Chip Design Market, Segmentation by Type

Cloud-based Chip Design

On-premise Chip Design

Global AI Chip Design Market, Segmentation by Application

Consumer Electronics

Automotive Electronics

Robot

IoT

Big Data and Cloud Computing

Other

Companies Profiled:

Intel

Nvidia

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Samsung

AMD

Canaan Inc.

Google

Huawei Hisilicon

Cambricon

Beijing Horizon Robotics Technology R&D Co., Ltd.

ACE REDPOINT VENTURES CHINA I,L.P.

MTK

Baidu

Ingenic Semiconductor Co.,Ltd.

Beijing ESWIN Computing Technology Co.,Ltd.

DanXi Technology

Luminwave

Zbit Semi

BllueX.Microelectronics

Bcuffalo Lab

Lclegend Micro

Chipways

ASR Microelectronics

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Southchip

Enflame

Hangzhou NationalChip AI Company

Bitmain Technologies

YITU Technology

Black Sesame Technologies

Vimicro

Taifang Tech

Bywave Sensing

Zvision

GXCAS

Alpsentek

Key Questions Answered

1. How big is the global AI Chip Design market?

2. What is the demand of the global AI Chip Design market?

3. What is the year over year growth of the global AI Chip Design market?

4. What is the total value of the global AI Chip Design market?

5. Who are the major players in the global AI Chip Design market?

6. What are the growth factors driving the market demand?

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