

Global AI Central Processing Unit (CPU) Supply, Demand and Key Producers, 2023-2029

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Abstracts

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

An AI Central Processing Unit (CPU) is a specialized central processing unit designed to execute artificial intelligence computing tasks. It is a hardware device composed of many small processing cores that can simultaneously perform multiple computing tasks. Compared to traditional CPUs, AI CPUs have higher computing speed and energy efficiency, and can more effectively handle large amounts of data and complex computing tasks, including image and speech recognition, natural language processing, machine learning, and deep learning.

This report studies the global AI Central Processing Unit (CPU) production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for AI Central Processing Unit (CPU), 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 Central Processing Unit (CPU) that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global AI Central Processing Unit (CPU) total production and demand, 2018-2029, (K Units)

Global AI Central Processing Unit (CPU) total production value, 2018-2029, (USD

Million)

Global AI Central Processing Unit (CPU) production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global AI Central Processing Unit (CPU) consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: AI Central Processing Unit (CPU) domestic production, consumption, key domestic manufacturers and share

Global AI Central Processing Unit (CPU) production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global AI Central Processing Unit (CPU) production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global AI Central Processing Unit (CPU) production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units)

This reports profiles key players in the global AI Central Processing Unit (CPU) 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 ARM, IBM, Intel, NVIDIA, Graphcore, ROHM Semiconductor, Qualcomm, MediaTek and Micron Technology, 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 Central Processing Unit (CPU) market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, 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 Central Processing Unit (CPU) Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global AI Central Processing Unit (CPU) Market, Segmentation by Type

Neural Processing Units (NPU)

Tensor Processing Units (TPU)

Global AI Central Processing Unit (CPU) Market, Segmentation by Application

Speech Recognition (SR)

Knowledge Graph (KG)

Natural Language Processing (NLP)

Computer Vision (CV)

Others

Companies Profiled:

ARM

IBM

Intel

NVIDIA

Graphcore

ROHM Semiconductor

Qualcomm

MediaTek

Micron Technology

Microchip

Hailo

AMD

NXP Semiconductor

HiSilicon

Horizon

NationalChip

Key Questions Answered

1. How big is the global AI Central Processing Unit (CPU) market?

2. What is the demand of the global AI Central Processing Unit (CPU) market?
3. What is the year over year growth of the global AI Central Processing Unit (CPU) market?
4. What is the production and production value of the global AI Central Processing Unit (CPU) market?
5. Who are the key producers in the global AI Central Processing Unit (CPU) market?
6. What are the growth factors driving the market demand?

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