

# Global AI Central Processing Unit (CPU) 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 Central Processing Unit (CPU) 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.

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 is a detailed and comprehensive analysis for global AI Central Processing Unit (CPU) 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 AI Central Processing Unit (CPU) market size and forecasts, in consumption

value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2018-2029

Global AI Central Processing Unit (CPU) 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 AI Central Processing Unit (CPU) 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 AI Central Processing Unit (CPU) 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 AI Central Processing Unit (CPU)

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 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 and Graphcore, 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

AI Central Processing Unit (CPU) 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

Neural Processing Units (NPU)

Tensor Processing Units (TPU)

### Market segment by Application

Speech Recognition (SR)

Knowledge Graph (KG)

Natural Language Processing (NLP)

Computer Vision (CV)

Others

### Major players covered

ARM

IBM

Intel

NVIDIA

Graphcore

ROHM Semiconductor

Qualcomm

MediaTek

Micron Technology

Microchip

Hailo

AMD

NXP Semiconductor

HiSilicon

Horizon

NationalChip

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 Central Processing Unit (CPU) product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of AI Central Processing Unit (CPU), with price, sales, revenue and global market share of AI Central Processing Unit (CPU) from

2018 to 2023.

Chapter 3, the AI Central Processing Unit (CPU) competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the AI Central Processing Unit (CPU) 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 Central Processing Unit (CPU) 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 Central Processing Unit (CPU).

Chapter 14 and 15, to describe AI Central Processing Unit (CPU) sales channel, distributors, customers, research findings and conclusion.

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