

Global CPU and GPU Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global CPU and GPU market size was valued at US\$ million in 2024 and is forecast to a readjusted size of USD million by 2031 with a CAGR of %during review period.

The CPU is one of the main devices of an electronic computer and the core component of a computer. The CPU interprets computer instructions and processes data in computer software. GPU, or Graphics Processing Unit, is a microprocessor that specializes in graphics and image-related operations. It has become a core component in the field of high-performance computing and artificial intelligence.

This report is a detailed and comprehensive analysis for global CPU and GPU 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 2025, are provided.

Key Features:

Global CPU and GPU market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global CPU and GPU market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global CPU and GPU market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global CPU and GPU market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2020-2025

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 CPU and GPU

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 CPU and GPU market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Intel, Qualcomm Technologies, NXP Semiconductors, Samsung Electronics, Advanced Micro Devices, Apple, MediaTek, Nvidia, UNISOC, Hisilicon, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

CPU and GPU market is split by Type and by Application. For the period 2020-2031, 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

CPU

GPU

Market segment by Application

Industry

Medical

Finance

Aerospace

Others

Major players covered

Intel

Qualcomm Technologies

NXP Semiconductors

Samsung Electronics

Advanced Micro Devices

Apple

MediaTek

Nvidia

UNISOC

Hisilicon

ARM Limited

Imagination Technologies Group

VeriSilicon (Vivante)

Allwinner Technology

Iluvatar CoreX

Biren Technology

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 CPU and GPU product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of CPU and GPU, with price, sales quantity, revenue, and global market share of CPU and GPU from 2020 to 2025.

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

Chapter 4, the CPU and GPU breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

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 2020 to 2025. and CPU and GPU market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of CPU and GPU.

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

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