

Global General Purpose Graphics Processing Unit (GPGPU) Supply, Demand and Key Producers, 2023-2029

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Abstracts

The global General Purpose Graphics Processing Unit (GPGPU) market size is expected to reach \$ 772.6 million by 2029, rising at a market growth of 7.0% CAGR during the forecast period (2023-2029).

A General Purpose Graphics Processing Unit (GPGPU) is a type of processor that is designed to handle complex parallel computations, typically in areas such as graphics, scientific simulations, and machine learning. While traditional CPUs (Central Processing Units) are optimized for handling a wide variety of tasks, they may not be as efficient at handling certain types of computations, particularly those that require a large number of parallel calculations.

This report studies the global General Purpose Graphics Processing Unit (GPGPU) production, demand, key manufacturers, and key regions.

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

Highlights and key features of the study

Global General Purpose Graphics Processing Unit (GPGPU) total production and demand, 2018-2029, (K Units)

Global General Purpose Graphics Processing Unit (GPGPU) total production value, 2018-2029, (USD Million)

Global General Purpose Graphics Processing Unit (GPGPU) production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global General Purpose Graphics Processing Unit (GPGPU) consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: General Purpose Graphics Processing Unit (GPGPU) domestic production, consumption, key domestic manufacturers and share

Global General Purpose Graphics Processing Unit (GPGPU) production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global General Purpose Graphics Processing Unit (GPGPU) production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global General Purpose Graphics Processing Unit (GPGPU) production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units)

This reports profiles key players in the global General Purpose Graphics Processing Unit (GPGPU) 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, Biren Technology, MetaX, Denglin Technology, Iluvatar Corex, Hongshan Microelectronics, VastaiTech and Hygon Information 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 General Purpose Graphics Processing Unit (GPGPU) 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 General Purpose Graphics Processing Unit (GPGPU) Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global General Purpose Graphics Processing Unit (GPGPU) Market, Segmentation by Type

5nm

7nm

Others

Global General Purpose Graphics Processing Unit (GPGPU) Market, Segmentation by Application

AI

VR/AR

Driverless

Finance and Telecom

Others

Companies Profiled:

NVIDIA

AMD

Biren Technology

MetaX

Denglin Technology

Iluvatar Corex

Hongshan Microelectronics

VastaiTech

Hygon Information Technology

Key Questions Answered

1. How big is the global General Purpose Graphics Processing Unit (GPGPU) market?
2. What is the demand of the global General Purpose Graphics Processing Unit (GPGPU) market?
3. What is the year over year growth of the global General Purpose Graphics

Processing Unit (GPGPU) market?

4. What is the production and production value of the global General Purpose Graphics Processing Unit (GPGPU) market?

5. Who are the key producers in the global General Purpose Graphics Processing Unit (GPGPU) market?

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

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