

# Global Discrete GPU Market Growth 2025-2031

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## Abstracts

The global Discrete GPU market size is predicted to grow from US\$ million in 2025 to US\$ million in 2031; it is expected to grow at a CAGR of %from 2025 to 2031.

The impact of the latest U.S. tariff measures and the corresponding policy responses from countries worldwide on market competitiveness, regional economic performance, and supply chain configurations will be comprehensively evaluated in this report.

A discrete GPU is a Graphics Processing Unit that is not part of the CPU, ie, it's a separate add in board or a separate chip on the system board (usually in laptops and AIOs.)

Discrete GPUs may further improve performance, energy efficiency and functionality. For example, through more advanced manufacturing processes, the computing efficiency and performance of the GPU can be improved, and through more efficient memory and storage management, the overall energy efficiency of the GPU can be improved. As computing demands continue to grow, especially in fields such as AI, big data, and cloud computing, the market demand for discrete GPUs is likely to continue to grow. These areas require significant computing power, and the flexibility and scalability of discrete GPUs make it an attractive option.

LP Information, Inc. (LPI) ' newest research report, the "Discrete GPU Industry Forecast" looks at past sales and reviews total world Discrete GPU sales in 2024, providing a comprehensive analysis by region and market sector of projected Discrete GPU sales for 2025 through 2031. With Discrete GPU sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Discrete GPU industry.

This Insight Report provides a comprehensive analysis of the global Discrete GPU

landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Discrete GPU portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Discrete GPU market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Discrete GPU and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Discrete GPU.

This report presents a comprehensive overview, market shares, and growth opportunities of Discrete GPU market by product type, application, key manufacturers and key regions and countries.

### **Segmentation by Type:**

X86 Architecture

ARM Architecture

Others

### **Segmentation by Application:**

Consumer electronics

Server

Automotive

Banking, financial services, and insurance (BFSI)

Aerospace and defense

Medical

Industrial

Others

**This report also splits the market by region:**

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Advanced Micro Devices (US)

IBM Corporation (US)

Texas Instruments Incorporated (US)

Nvidia Corporation (US)

NXP Semiconductors (Netherlands)

Samsung Electronics (South Korea)

MediaTek (Taiwan)

Renesas Electronics Corporation (Japan)

Broadcom Limited (US)

Microchip Technology Incorporated (US?)

Marvell Technology Group Ltd (US)

Toshiba (Japan)

Spreadtrum Communications (China)

Allwinner Technology Co (China)

### **Key Questions Addressed in this Report**

What is the 10-year outlook for the global Discrete GPU market?

What factors are driving Discrete GPU market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Discrete GPU market opportunities vary by end market size?

How does Discrete GPU break out by Type, by Application?

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