

Global Data Center Chip Market Growth 2025-2031

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Abstracts

The global Data Center Chip market size is predicted to grow from US\$ 25330 million in 2025 to US\$ 77400 million in 2031; it is expected to grow at a CAGR of 20.5% 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 data center is a premise of networked computers and storage that organizations from various fields use to organize, process, store, and disseminate massive amounts of data. A business usually depends heavily on the applications, services, and data contained within a data center, making it the point of focus and a vital asset for day-to-day activities. The data center chip is usually found in the server area within a data center and is one of the vital requirements in the premises.

Following a strong growth of 26.2 percent in the year 2021, WSTS revised it down to a single digit growth for the worldwide semiconductor market in 2022 with a total size of US\$580 billion, up 4.4 percent. WSTS lowered growth estimation as inflation rises and end markets seeing weaker demand, especially those exposed to consumer spending. While some major categories are still double-digit year-over-year growth in 2022, led by Analog with 20.8 percent, Sensors with 16.3 percent, and Logic with 14.5 percent growth. Memory declined with 12.6 percent year over year. In 2022, all geographical regions showed double-digit growth except Asia Pacific. The largest region, Asia Pacific, declined 2.0 percent. Sales in the Americas were US\$142.1 billion, up 17.0% year-on-year, sales in Europe were US\$53.8 billion, up 12.6% year-on-year, and sales in Japan were US\$48.1 billion, up 10.0% year-on-year. However, sales in the largest Asia-Pacific region were US\$336.2 billion, down 2.0% year-on-year.

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

This Insight Report provides a comprehensive analysis of the global Data Center Chip 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 Data Center Chip portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Data Center Chip market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Data Center Chip 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 Data Center Chip.

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

Segmentation by Type:

GPU

ASIC

FPGA

CPU

Others

Segmentation by Application:

Manufacturing

Government

IT & Telecom

Retail

Transportation

Energy & Utilities

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.

Intel Corporation

GlobalFoundries

Advanced Micro Devices Inc.

Taiwan Semiconductor Manufacturing Co. Ltd.

Samsung Electronics Co. Ltd.

Arm Limited

Broadcom

Xilinx, Inc.

Huawei

Nvidia Corporation

Key Questions Addressed in this Report

What is the 10-year outlook for the global Data Center Chip market?

What factors are driving Data Center Chip market growth, globally and by region?

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

How do Data Center Chip market opportunities vary by end market size?

How does Data Center Chip break out by Type, by Application?

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