

Data Center Accelerator Market: Forthcoming Developments, Business Opportunities & Future Investment | Emergen Research

Growing focus on parallel computing in Artificial Intelligence (AI) data centers is a key factor driving data center accelerator market revenue growth

VANCOUVER, BC, CANADA, January 3, 2023 /EINPresswire.com/ -- Emergen Research's latest market research report focuses on the global [Data Center Accelerator Market](#), and the report provides in-depth analysis of each of its major segments. Reports about the global Data Center Accelerator Market provide a

comprehensive overview of the market, including market size, revenue growth rate, industry statistics, revenue shares among regional markets, gross profits, production costs, and product portfolios.



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Data Center Accelerator Market Size – USD 17.89 Billion in 2021, Market Growth – at a CAGR of 25.0%, Market Trends – Increasing use of deep learning technology in big data analytics”

Emergen Research

The study will prove useful for leading companies looking to find new sources of income by helping them to understand the market and its underlying dynamics. It will also be useful for businesses looking to expand into new markets or diversify their current operations. Key market players in the global Data Center Accelerator Market include NVIDIA Corporation, Advanced Micro Devices, Inc., Intel Corporation, Micron Technology, Inc., Marvell, Qualcomm Technologies, Inc., IBM, Google, Fujitsu, and Dell, Inc.

Growing focus on parallel computing in Artificial

Intelligence (AI) data centers, rising number of data center facilities globally, increasing data traffic, increasing use of deep learning technology in big data analytics, and rising demand for

consumer-driven data and application performance enhancement are some of the key factors driving market revenue growth. Operators are rapidly exploring and investing in Research & Development (R&D) for cutting-edge solutions to improve various data-driven operations, such as deep learning and Natural Language Processing (NLP), since data centers are overflowing with ever-increasingly massive amounts of data. In addition, demand for data center accelerators is rising because of growing cloud computing and cloud-based services, as well as an increase in number of data centers housing numerous servers and significant quantity of storage.

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The research may be useful for leading businesses looking for new sources of income, as well as for businesses aiming to diversify into new markets or expand their current operations, as well as for businesses seeking to diversify into new markets.

You need to discover how this will impact the Data Center Accelerator Market today, and over the next 10 years:

Our 250-page report provides 194 tables and 189 charts/graphs exclusively to you.

The report highlights key lucrative areas in the industry so you can target them – Now.

It contains in-depth analysis of global, regional and national sales and growth.

It highlights for you the key successful trends, changes and revenue projections made by your competitors.

This report tells you Today how the Data Center Accelerator Market will develop in the next 10 years, and in line with the variations in COVID-19 economic recession and bounce. This market is more critical now than at any point over the last 10 years.

Some Key Highlights From the Report :

The High-Performance Computing (HPC) segment accounted for a significant revenue share in 2021. Majority of HPC customers are large industrial groups and research institutions, with a focus on simulation-heavy sectors such as automobile, energy (including nuclear and oil & gas), aerospace, and pharmaceuticals. HPC requires more electricity than traditional PCs with increased server density, more powerful CPUs, and greater cooling needs. Organizations may leverage parallel processing to execute cutting-edge applications, such as AI and data analytics owing to high-performance computing, which is one of the major factors driving growth of this segment.

The deep learning training segment accounted for a significant revenue share in 2021. Neural networks are used by deep learning to carry out tasks such as machine vision, speech

recognition, and natural language processing. To infer meaning from new data, trained models are frequently used across various platforms including mobile phones. An AI accelerator is a high-performance parallel computation machine optimized for efficient processing of AI workloads such as neural networks. Massively scalable computational architectures are required for data centers, especially hyper-scale data centers.

Need more information on our reporting methodology? Click here:

<https://www.emergenresearch.com/industry-report/data-center-accelerator-market>

How will this Report Benefit you?

An Emergen Research report of 250 pages features 194 tables, 189 charts, and graphics. Our new study is ideal for anyone who wants to learn about the global Data Center Accelerator Market commercially and deeply, as well as to analyze the market segments in depth. With the help of our recent study, you can analyze the entire regional and global market for Data Center Accelerator Market. To increase market share, you must obtain financial analysis of the entire market and its segments. Our research suggests there are significant opportunities in this rapidly expanding market for energy storage technology. Look at how you might take advantage of these revenue-generating opportunities. Additionally, the research will help you develop growth strategies, strengthen competitor analysis, and improve business productivity by enabling you to make better strategic decisions.

Emergen Research has segmented global data center accelerator market based on processor type, type, application, and region:

Processor Type Outlook (Revenue, USD Billion; 2019-2030)

Graphics Processing Unit (GPU)

Central Processing Unit (CPU)

Field Programmable Gate Array (FPGA)

Application Specific Integrated Circuit (ASIC)

Type Outlook (Revenue, USD Billion; 2019-2030)

Cloud data center

High-Performance Computing (HPC) data center

Application Outlook (Revenue, USD Billion; 2019-2030)

Deep learning training

Enterprise inference

Public cloud inference

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Global Data Center Accelerator Market has been classified into the subsequent geographical

segments:

North America (U.S., Canada, Mexico)

Europe (U.K., Italy, Germany, France, Rest of EU)

Asia Pacific (India, Japan, China, South Korea, Australia, Rest of APAC)

Latin America (Chile, Brazil, Argentina, Rest of Latin America)

Middle East & Africa (Saudi Arabia, U.A.E., South Africa, Rest of MEA)

What Questions Should You Ask before Buying a Market Research Report?

How is the Data Center Accelerator Market evolving?

What is driving and restraining the Data Center Accelerator Market ?

How will each Data Center Accelerator Market submarket segment grow over the forecast period and how much revenue will these submarkets account for in 2030?

How will the market shares for each Data Center Accelerator Market submarket develop from 2022 to 2030?

What will be the main driver for the overall market from 2022 to 2030?

Will leading Data Center Accelerator Market markets broadly follow the macroeconomic dynamics, or will individual national markets outperform others?

How will the market shares of the national markets change by 2030 and which geographical region will lead the market in 2030?

Who are the leading players and what are their prospects over the forecast period?

What are the Data Center Accelerator Market projects for these leading companies?

How will the industry evolve during the period between 2022 and 2030? What are the implications of Data Center Accelerator Market projects taking place now and over the next 10 years?

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