

Data Center Accelerator Market Revenues to Reach USD 19.20 Billion by 2028 - Market Size, Share, Forecasts, & Trends Analysis Report by Mordor Intelligence

According to a new market research report titled "[Data Center Accelerator Market Report \(2023-2028\)](#)," the market is estimated at USD 9.89 billion in 2023. It is expected to register a CAGR of 14.19% during the forecast period.

Data center accelerators are the hardware that is designed and used for processing visual data. They help improve the overall performance of computers. They also help increase the demand for consumer-driven data and use AI services to increase the demand for AI-centric data centers.

Report Summary:

Report Attribute	Details
Market Size (2023)	USD 9.89 billion
Market Size (2028)	USD 19.20 billion
CAGR (2023-2028)	14.19%
Study Period	2018-2028
Forecast Units	Value (USD billion)
Fastest Growing Market	Asia-Pacific
Largest Market	Europe
Report Scope	Market Dynamics, Revenue Forecast and Segmentation, Competitive Landscape and Recent Developments, Market Growth, Future Opportunities, and Trends
Key Market Drivers	Increasing demand for AI in HPC data centers.
	Increasing usage of cloud-based services.

Which are the Top Companies in the Data Center Accelerator Market?

The data center accelerator market is cohesive in nature due to the presence of global and small and medium-sized companies. These key market players are constantly adopting strategies like mergers and acquisitions and partnerships to develop their product offerings further and achieve a sustainable advantage among competitors.

The most noteworthy players in the data center accelerator market are:

- Intel Corporation
- NVIDIA Corporation
- Advanced Micro Devices Inc.
- Achronix Semiconductor Corporation
- Xilinx Inc. (Advanced Micro Devices Inc.)

- NEC Corporation
- Dell Technologies Inc.
- IBM Corporation
- Cisco Systems Inc.
- Qualcomm Technologies Inc.

Other Reports That Might Be of Your Interest:

- [United States Data Center Market Report](#) - The US data center market size is estimated at USD 18.10 billion in 2023. It is expected to reach USD 28.46 billion in 2028, registering a CAGR of 9.47% during the forecast period (2023-2028).
- [Data Center RFID Market Report](#) - The data center RFID market is expected to register a CAGR of 12.60% during the forecast period (2023-2028).

Key Highlights from the Data Center Accelerator Market Report:

FPGA Processors are Expected to Occupy Maximum Market Share

- FPGAs (field programmable gate arrays) are prefabricated silicon devices that are electrically programmed after manufacturing to turn them into any sort of digital system. FPGAs are becoming the most preferred platforms for digital implementation in a wide range of industrial applications. They are a combination of the best components of processor-based systems, thereby increasing their adoption across many industries.
- FPGAs provide affordable solutions and faster time to market in low-to-medium volume production processes. They are preferred to ASICs, which usually take more time and capital resources to obtain the first device.

Asia-Pacific is Expected to Fuel Market Growth

- Asia-Pacific is likely to be the most prominent contributor to the demand for data center accelerators due to huge investments in IT infrastructure in the region. For instance, giants like AirTrunk and Equinix are building hyper-scale data centers in Australia.
- AI workloads are emerging and fueling the market in the region, primarily the data centers which host programmable co-processors that have the ability to support graphic chips for parallel processing of machine learning operations.

What are the Latest Developments in the Data Center Accelerator Market?

- In December 2022, Atos announced its collaboration with AWS to develop a new solution that enables clients to expedite and monitor key performance indicators (KPIs) by easily accessing SAP and non-SAP data silos.
- In October 2022, Google Cloud and Accenture expanded their global partnership. This includes renewing their commitment to expanding their talent pools and joint capabilities, providing more client support to build a solid digital foundation, and developing new AI solutions.

Mordor Intelligence has Segmented the Data Center Accelerator Market Based on Processor Type, Application, and Geography:

- By Processor Type (Market Size and Forecast based on Value (USD billion), 2018-2028)
 - CPU (Central Processing Unit)
 - GPU (Graphics Processing Unit)
 - FPGA (Field-Programmable Gate Array)
 - ASIC (Application-specific Integrated Circuit)
- By Application (Market Size and Forecast based on Value (USD billion), 2018-2028)
 - High-performance Computing
 - Artificial Intelligence
 - Other Applications
- By Geography (Market Size and Forecast based on Value (USD billion), 2018-2028)
 - North America
 - Europe
 - Asia-Pacific
 - Latin America
 - Middle East and Africa

In a nutshell, the Mordor Intelligence market research report is a must-read for start-ups, industry players, investors, researchers, consultants, business strategists, and all those who are looking to understand this industry. Get a glance at the [Data Center Accelerator Market Report \(2023-2028\)](#).

Mordor Intelligence constantly tracks industry trends. Some relevant market reports from the analysts that might be of interest to you:

- [Containerized Data Center Market Report](#) - The containerized data center market size is estimated at USD 12.20 billion in 2023. It is expected to reach USD 28.5 billion in 2028, registering a CAGR of 18.49% during the forecast period (2023-2028).
- [Data Center Power Market Report](#) - The data center power market size is estimated at USD 22.92 billion in 2023. It is expected to reach USD 31.40 billion in 2028, registering a CAGR of 6.50% during the forecast period (2023-2028).
- [Data Center Liquid Cooling Market Report](#) - The data center liquid cooling market size is estimated at USD 3,801.90 billion in 2023. It is expected to reach USD 11,807.81 billion in 2028, registering a CAGR of 25.44% during the forecast period (2023-2028).

About Mordor Intelligence:

[Mordor Intelligence](#) is a market intelligence and advisory firm. At Mordor Intelligence, we believe in predicting butterfly effects that have the potential to change or significantly impact market dynamics.

Our market research reports are comprehensive and provide exclusive data, facts and figures, trends, and the competitive landscape of the industry.