

Global Data Center Accelerator Market 2021

<https://marketpublishers.com/r/G6F782175794EN.html>

Date: January 2022

Pages: 20

Price: US\$ 950.00 (Single User License)

ID: G6F782175794EN

Abstracts

The global data center accelerator market is set to increase by US\$ 37,058 million from 2021 to 2027, representing a compound annual growth rate (CAGR) of 29.8% during the forecast period. Increasing deployment of AI in HPC data centers, increasing deployment of data center facilities and cloud-based services are expected to boost the market growth in the coming years.

The report provides up-to-date market size data for period 2017-2020 and forecast to 2027 covering key market aspects like sales value for data center accelerator. The global data center accelerator market is segmented on the basis of processor type, deployment, application, and region. On the basis of processor type, the global data center accelerator market has been segmented into application-specific integrated circuit (ASIC), central processing unit (CPU), field-programmable gate array (FPGA), graphics processing unit (GPU). Among these, the GPU segment was accounted for the highest revenue generator in 2020. By deployment, the global data center accelerator market has been segmented into on-premise, cloud. The cloud segment is estimated to account for the largest share of the global data center accelerator market. Based on application, the global data center accelerator market is categorized into deep learning training, public cloud interface, enterprise interface. The enterprise interface segment held the largest share of the global data center accelerator market in 2020 and is anticipated to hold its share during the forecast period. In terms of geography, the global data center accelerator market has been segmented into North America, Asia Pacific, Europe, Rest of the World (ROW).

The global data center accelerator market is highly competitive. The competitive landscape of the industry has also been examined along with the profiles of the key players Advanced Micro Devices Inc. (AMD), Cisco Systems Inc., Dell Technologies Inc., Intel Corporation, International Business Machines Corporation (IBM), NEC Corporation, Nvidia Corporation, Qualcomm Technologies Inc., Xilinx Inc.

Report Scope

Processor type: application-specific integrated circuit (ASIC), central processing unit (CPU), field-programmable gate array (FPGA), graphics processing unit (GPU)

Deployment: on-premise, cloud

Application: deep learning training, public cloud interface, enterprise interface

Region: North America, Asia Pacific, Europe, Rest of the World (ROW)

Years considered: this report covers the period 2017 to 2027

Key Benefits for Stakeholders

Get a comprehensive picture of the global data center accelerator market

Pinpoint growth sectors and trends for investment

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Cisco Systems, Inc.
Dell Technologies Inc.
Intel Corporation
International Business Machines Corporation (IBM)
NEC Corporation
Nvidia Corporation
Qualcomm Technologies, Inc.
Xilinx Inc.
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