

GPU as a Service Market Size, Share, and Analysis, By Deployment Model (Public GPU Cloud, Private GPU Cloud and Hybrid GPU Cloud), By End-User (BFSI, AI & Machine Learning, IT & Telecom, Healthcare, Automotive, Finance, Media & Entertainment, and Others), By Enterprise Type (Large Enterprises and Small & Medium-Sized Enterprises), and By Region (North America, Europe, Asia-Pacific, And Rest of the World) And Regional Forecast 2024-2034

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Abstracts

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PRODUCT OVERVIEW

GPU as a Service Market is anticipated to grow at a CAGR of 29% in the forecast period (2024-2034), with the market size valued at USD 4.3 billion in 2023 and projected to reach USD 71.7 billion by 2034.

GPU as a service or GPUaaS refers to cloud computing models that help in accessing graphic processing units, based on subscription plans. These services allow consumers who are accessing these facilities, to utilize the GPUs without any need

for dedicated hardware. GPUaaS companies provide virtualized GPU units that users can rent for a variety of applications, which eliminates the need for companies to invest in expensive computing infrastructure. This design allows customers to expand GPU resources as needed, thereby providing flexibility and affordability. Additionally, GPUaaS provides access to advanced computational power without forcing customers to manage hardware maintenance, which makes it useful in areas such as AI, gaming, and scientific research.

MARKET HIGHLIGHTS

GPU as a Service Market is anticipated to reach USD 71.7 billion, growing at a CAGR of 29% during the forecast period, due to the growth in IT and services across various industries, which demand fast operating GPU systems. Graphic processing units are categorised based on deployment model and significantly used in artificial intelligence, machine learning, and automotive industries. Additionally, AI and ML require vast codes and algorithms that can span thousands of pages, due to which power-efficient systems such as GPUs are needed to perform tasks which cannot be completed using CPUs. Moreover, new automotive vehicles and machinery are getting technologically advanced, and with the emergence of the EV segments, the demand for data analytics and visualization using is rapidly expanding. GPU assist in enabling these operations without the usage of equipment, which makes tasks for many industries. Thus, the GPUaaS market displayed durability and innovation, with continuous improvements in performance and efficiency, which drives its growth across various industries.

GPU as a Service Market Segments:

By Deployment Model

Public GPU Cloud

Private GPU Cloud

Hybrid GPU Cloud

By End-User

BFSI

AI & Machine Learning

IT & Telecom

Healthcare

Automotive

Finance

Media & Entertainment

Others

By Enterprise Type

Large Enterprises

Small and Medium Sized Enterprises

MARKET DYNAMICS

Growth Drivers

Increasing Data Volumes and Complexity Will Drive the Use of Efficient GPUs

Need for Faster Computation Will Influence the Whole Market Growth

Restraint

Security Concerns with Sensitive Data on Cloud Platforms May Hinder Market Growth

Key Players

Amazon Web Services (AWS)

Google Cloud Platform (GCP)

Microsoft Azure

Paperspace

NVIDIA Tesla on Demand

Lambda Labs

Nimbix

Scaleway

Shadow

OVHcloud

Vectordash

Mainframe

Paperspace

Blazecloud

Tribeca Digital

Global Laboratory Temperature Control Units Market is further segmented by region into:

North America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United States and Canada

Latin America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – Mexico, Argentina, Brazil and Rest of Latin America

Europe Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United Kingdom, France, Germany, Italy, Spain, Belgium, Hungary, Luxembourg, Netherlands, Poland, NORDIC, Russia, Turkey and Rest of

Europe

Asia Pacific Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – India, China, South Korea, Japan, Malaysia, Indonesia, New Zealand, Australia and Rest of APAC

Middle East and Africa Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – North Africa, Israel, GCC, South Africa and Rest of MENA

Reasons to Purchase this Report

Qualitative and quantitative analysis of the market based on segmentation involving both economic as well as non-economic factors

Provision of market value (USD Billion) data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry with respect to recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market of various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

3-month post-sales analyst support.

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