

Global Modern AI Infrastructure Market 2025 by Company, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Modern AI Infrastructure market size was valued at US\$ 30300 million in 2024 and is forecast to a readjusted size of USD 48500 million by 2031 with a CAGR of 7.0% during review period.

AI infrastructure encompasses almost every stage of the machine learning workflow. It enables data scientist, data engineers, software engineers and DevOps teams to access and manage the computing resources to test, train and deploy AI algorithms.

China and the United States are two leaders in AI industry. On the AI 100 list (2022) released by CB Insights, the number of companies in the United States ranks first, with more than 70 companies, followed by the United Kingdom, with 8 companies on the list. China and Canada both holds 5 companies on the list. According to data from the China Academy of Information and Communications Technology, the scale of China's core artificial intelligence industry reached ?508 billion in 2022, a year-on-year increase of 18%. From 2013 to November 2022, the cumulative number of patent applications for artificial intelligence inventions in the world reached 729,000, and the cumulative number of applications in China reached 389,000, accounting for 53.4%. However, the Global Artificial Intelligence Innovation Index Report 2021 released by the China Institute of Scientific and Technological Information shows that the overall strength of the United States is still far ahead. The number of artificial intelligence companies in the United States is about 4,670, while China has only 880. China's data center is less than 1/48 of that of the United States.

This report is a detailed and comprehensive analysis for global Modern AI Infrastructure market. Both quantitative and qualitative analyses are presented by company, by region

& country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Modern AI Infrastructure market size and forecasts, in consumption value (\$ Million), 2020-2031

Global Modern AI Infrastructure market size and forecasts by region and country, in consumption value (\$ Million), 2020-2031

Global Modern AI Infrastructure market size and forecasts, by Type and by Application, in consumption value (\$ Million), 2020-2031

Global Modern AI Infrastructure market shares of main players, in revenue (\$ Million), 2020-2025

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Modern AI Infrastructure

To forecast future growth in each product and end-use market

To forecast future factors affecting the marketplace

This report profiles key players in the global Modern AI Infrastructure market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include NVIDIA Corporation, Intel Corporation, Oracle Corporation, Samsung Electronics, Micron Technology, Advanced Micro Devices, IBM Corporation, Google, Microsoft Corporation, Amazon Web Services, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market segmentation

Modern AI Infrastructure market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for Consumption Value by Type and by Application. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Hardware

Server Software

Market segment by Application

Enterprises

Government Organizations

Cloud Service Providers

Market segment by players, this report covers

NVIDIA Corporation

Intel Corporation

Oracle Corporation

Samsung Electronics

Micron Technology

Advanced Micro Devices

IBM Corporation

Google

Microsoft Corporation

Amazon Web Services

Oracle

Graphcore

SK hynix

Cisco

AI Solutions

Dell Technologies

HPE

Toshiba

Gyr Falcon Technology Inc

Imagination Technologies

Market segment by regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia, Italy and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia and Rest of Asia-Pacific)

South America (Brazil, Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

Chapter 1, to describe Modern AI Infrastructure product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Modern AI Infrastructure, with revenue, gross

margin, and global market share of Modern AI Infrastructure from 2020 to 2025.

Chapter 3, the Modern AI Infrastructure competitive situation, revenue, and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and by Application, with consumption value and growth rate by Type, by Application, from 2020 to 2031

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2020 to 2025. and Modern AI Infrastructure market forecast, by regions, by Type and by Application, with consumption value, from 2026 to 2031.

Chapter 11, market dynamics, drivers, restraints, trends, Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of Modern AI Infrastructure.

Chapter 13, to describe Modern AI Infrastructure research findings and conclusion.

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