

Artificial Intelligence (AI) Supercomputer market size, share, revenue, trends and drivers for 2024-2033

The Business Research Company's Artificial Intelligence (AI) Supercomputer Global Market Report 2024 – Market Size, Trends, And Forecast 2024-2033

LONDON, GREATER LONDON, UK, July 1, 2024 /EINPresswire.com/ -- The artificial intelligence (AI)

supercomputer market has experienced robust growth in recent years, expanding from \$1.63 billion in 2023 to \$1.98 billion in 2024 at a compound annual growth rate (CAGR) of 21.6%. The growth in the historic period can be attributed to increased adoption of AI in various industries, rise of autonomous vehicles and robotics, rising cloud computing and edge computing, government initiatives, growing big data.



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Strong Future Growth Anticipated

The artificial intelligence (AI) supercomputer market is projected to continue its strong growth, reaching \$4.23 billion in 2028 at a compound annual growth rate (CAGR) of 20.9%. The growth in the forecast period can be attributed to continued advancements in AI algorithms and models, rise of quantum computing, rapid growth of data centers, growing edge computing and IoT integrations,

global investment in AI infrastructure.

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Growth driver of the artificial intelligence (AI) supercomputer market

The rapid adoption of artificial intelligence (AI) applications across various industries is expected

to propel the growth of the artificial intelligence (AI) supercomputer market going forward. Artificial intelligence (AI) applications refer to the various ways in which AI technologies are utilized to perform tasks that typically require human intelligence. Companies are increasingly adopting AI to stay ahead of the competition and offer innovative solutions to their customers. AI algorithms optimize supercomputing operations by dynamically adjusting parameters, such as resource allocation, power management, and scheduling, based on workload and system conditions, thereby enhancing efficiency and maximizing performance.

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Major Players and Market Trends

Key players in the artificial intelligence (AI) supercomputer market include Google LLC, Meta Platforms Inc., Dell Technologies Inc., Hitachi Ltd., Huawei Technologies Co. Ltd., Amazon Web Services Inc., Intel Corporation, IBM Corporation, Samsung Electronics Co. Ltd., Oracle Corporation, Fujitsu Limited, Micron Technology Inc., Hewlett Packard Enterprise, Nvidia Corporation, Advanced Micro Devices Inc., MediaTek Inc., Arm Ltd., Kneron Inc., Silicon Graphics International, Cerebras Systems Inc., SambaNova Systems Inc., Kalray SA, PEZY Computing, Graphcore Inc., Groq Inc..

Major companies operating in the artificial intelligence (AI) supercomputer market are developing innovative products, such as cloud AI supercomputer, to provide reliable services to customers. This supercomputer is a network of high-performance computing systems linked together to collaborate on processing tasks.

Segments:

- 1) By Component: Processors Or Computer, Storage, Memory, Interconnects
- 2) By Deployment: Cloud, On-Premises
- 3) By Application: Government, Academia And Research, Commercial, Generative Artificial Intelligence, Computer Vision, Drug Discovery, Other Applications

Geographical Insights: Asia-Pacific Leading the Market

Asia-Pacific was the largest region in the artificial intelligence (AI) supercomputer market in 2023. Asia-Pacific is expected to be the fastest-growing region during the forecast period, driven by expanding healthcare facilities and increasing awareness of the benefits of artificial intelligence (AI) supercomputer.

Artificial Intelligence (AI) Supercomputer Market Definition

An artificial intelligence (AI) supercomputer refers to a high-performance computing system that utilizes ultrafast processors made up of hundreds of thousands of powerful machines to manage and interpret vast quantities of data for AI applications. These systems are engineered to perform complex calculations, process massive amounts of data, and execute AI algorithms at an unprecedented speed.

[Artificial Intelligence \(AI\) Supercomputer Global Market Report 2024](#) from TBRC covers the following information:

- Market size data for the forecast period: Historical and Future
- Market analysis by region: Asia-Pacific, China, Western Europe, Eastern Europe, North America, USA, South America, Middle East and Africa.
- Market analysis by countries: Australia, Brazil, China, France, Germany, India, Indonesia, Japan, Russia, South Korea, UK, USA.

Trends, opportunities, strategies and so much more.

The Artificial Intelligence (AI) Supercomputer Global Market Report 2024 by The Business Research Company is the most comprehensive report that provides insights on artificial intelligence (AI) supercomputer market size, artificial intelligence (AI) supercomputer market drivers and trends, artificial intelligence (AI) supercomputer market major players, competitors' revenues, market positioning, and market growth across geographies. The artificial intelligence (AI) supercomputer market report helps you gain in-depth insights on opportunities and strategies. Companies can leverage the data in the report and tap into segments with the highest growth potential.

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About The Business Research Company

The Business Research Company has published over 27 industries, spanning over 8000+ markets and 60+ geographies. The reports draw on 1,500,000 datasets, extensive secondary research, and exclusive insights from interviews with industry leaders.

Global Market Model – Market Intelligence Database

The Global Market Model, The Business Research Company's flagship product, is a market intelligence platform covering various macroeconomic indicators and metrics across 60 geographies and 27 industries. The Global Market Model covers multi-layered datasets that help its users assess supply-demand gaps.

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