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Artificial Intelligence Chip Market By Chip Type (GPU, ASIC, FPGA, CPU, Others), By Processing Type (Edge, Cloud), By Technology (System On Chip, System in Package, Multi Chip Module, Others), By Application (Nature Language Processing, Robotics, Computer Vision, Network Security, Others), By Industry Vertical (Media and Advertising, BFSI, IT and Telecom, Retail, Healthcare, Automotive and Transportation, Others): Global Opportunity Analysis and Industry Forecast, 2023-2032

Market Report | 2023-09-01 | 381 pages | Allied Market Research

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Report description:

Artificial intelligence (AI) has been the most progressive technologies since its introduction in the 1950s. It is associated with human intelligence characteristics such as language understanding, reasoning, learning, problem solving, and others. Manufacturers in the market witness enormous underlying intellectual challenges in the development and revision of such technology. It is positioned as the core of the next-generation software technologies in the market.
The AI chip market has witnessed significant growth over the years, owing to surge in efforts to make more human-like robots and rise in rate of deployments in the developing regions. Among the chip type segment, CPU dominated the market in terms of revenue in 2022. Among processing type, the edge segment dominated the market in terms of expenditure in 2022. Among technology, the system on chip segment dominated the market in terms of revenue in 2022. Among application, the nature language processing segment, dominated the expenditure in 2022. Among the industry verticals segment, BFSI dominated the market in terms of expenditure in 2022. The companies that operate in the market have adopted strategies such as collaboration, cooperation, partnership, product launch, R&D, and acquisition to increase their market share and expand their geographical

presence.
The artificial intelligence chip market is analyzed and estimated in accordance with the impacts of the drivers, restraints, and opportunities. The period studied in this report is 2022-2032, wherein the forecast period is 2022-2032. The report includes the study of the artificial intelligence chip market with respect to the growth prospects and restraints based on the regional analysis.
The study includes Porter's five forces analysis of the industry to determine the impact of suppliers, competitors, new entrants, substitutes, and buyers on the market growth. The global artificial intelligence chip market was valued at $14,918.7 million in 2022, and is projected to reach $383,659.2 million by 2032, registering a CAGR of 38.2% from 2023 to 2032.
Artificial intelligence (AI) has been the most progressive technology since its introduction in the 1950s. It is associated with human intelligence characteristics such as language understanding, reasoning, learning, problem-solving, and others. Manufacturers in the market witness enormous underlying intellectual challenges in the development and revision of such technology. It is positioned as the core of the next-generation software technologies in the market. The AI chip market has witnessed significant growth over the years, owing to a surge in efforts to make more human-like robots and a rise in the rate of deployments in developing regions. Among the industry verticals segment, BFSI dominated the market in terms of expenditure in 2022.
The artificial intelligence chip market is analyzed and estimated in accordance with the impacts of the drivers, restraints, and opportunities. The report includes a study of the artificial intelligence chip market with respect to the growth prospects and restraints based on regional analysis. The study includes Porter's five forces analysis of the industry to determine the impact of suppliers, competitors, new entrants, substitutes, and buyers on the market growth.
The artificial intelligence chip market provides numerous growth opportunities to the market players such as SoftBank Group Corp., Alphabet Inc. (Google Inc.), NXP Semiconductors N.V., Mythic Ltd., Intel Corporation, Baidu, Mediatek, Inc., NVIDIA Corporation, Qualcomm Incorporated, Advanced Micro Devices Inc., and Samsung Electronics Co. Ltd.
The companies that operate in the market have adopted strategies such as collaboration, cooperation, partnership, product launch, R&D, and acquisition to increase their market share and expand their geographical presence
Key Benefits For Stakeholders
-This report provides a quantitative analysis of the market segments, current trends, estimations, and dynamics of the artificial intelligence chip market analysis from 2022 to 2032 to identify the prevailing artificial intelligence chip market opportunities.
-The market research is offered along with information related to key drivers, restraints, and opportunities.
-Porter's five forces analysis highlights the potency of buyers and suppliers to enable stakeholders make profit-oriented business decisions and strengthen their supplier-buyer network.
-In-depth analysis of the artificial intelligence chip market segmentation assists to determine the prevailing market opportunities.
-Major countries in each region are mapped according to their revenue contribution to the global market.
-Market player positioning facilitates benchmarking and provides a clear understanding of the present position of the market players.
-The report includes the analysis of the regional as well as global artificial intelligence chip market trends, key players, market segments, application areas, and market growth strategies.

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Possible Customization with this report (with additional cost and timeline, please talk to the sales executive to know more)
- Senario Analysis & Growth Trend Comparision
- New Product Development/ Product Matrix of Key Players
- Additional company profiles with specific to client's interest
- Additional country or region analysis- market size and forecast
- Key player details (including location, contact details, supplier/vendor network etc. in excel format)

Key Market Segments

By Chip Type
- Others
- GPU
- ASIC
- FPGA
- CPU

By Processing Type
- Edge
- Cloud

By Technology
- System On Chip
- System in Package
- Multi Chip Module
- Others

By Application
- Nature Language Processing
- Robotics
- Computer Vision
- Network Security
- Others

By Industry Vertical
- Media and Advertising
- BFSI
- IT and Telecom
- Retail
- Healthcare
- Automotive and Transportation
- Others

By Region
- North America
- U.S.
- Canada
- Mexico
- Europe
- UK
- Germany
- France
- Russia
- Rest of Europe

- Asia-Pacific
- China
- Japan
- India
- Australia
- Rest of Asia-Pacific
- LAMEA
- Latin America
- Middle East
- Africa
- Key Market Players
- Qualcomm Technologies Inc.
- Baidu
- MediaTek Inc
- NVIDIA Corporation (Mellanox Technologies)
- Alphabet Inc.
- Mythic
- NXP Semiconductors
- Intel Corporation
- Samsung Electronics Co Ltd
- Advanced Micro Devices Inc.(Xilinx Inc.)
- SoftBank Corp.

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