

Global Automotive Artificial Intelligence (AI) Market 2024 by Company, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Automotive Artificial Intelligence (AI) market size was valued at USD 2880.8 million in 2023 and is forecast to a readjusted size of USD 18750 million by 2030 with a CAGR of 30.7% during review period.

Automobile artificial intelligence is a comprehensive system that integrates environmental perception, planning and decision-making, and multi-level assisted driving. It focuses on the use of computers, modern sensing, information fusion, communication, artificial intelligence and automatic control technologies, which are typical High-tech complex.

Global core automotive artificial intelligence (AI) manufacturers include NVIDIA, Uber Technologies and Alphabet (Google) etc. The Top3 companies hold a share above 40%. North America is the largest market, with a share about 36%, followed by Europe and China with the share about 35% and 23%.

The Global Info Research report includes an overview of the development of the Automotive Artificial Intelligence (AI) industry chain, the market status of Passenger Car (Hardware, Software), Commercial Car (Hardware, Software), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Automotive Artificial Intelligence (AI).

Regionally, the report analyzes the Automotive Artificial Intelligence (AI) markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly

China, leads the global Automotive Artificial Intelligence (AI) market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Automotive Artificial Intelligence (AI) market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Automotive Artificial Intelligence (AI) industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the revenue generated, and market share of different by Type (e.g., Hardware, Software).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Automotive Artificial Intelligence (AI) market.

Regional Analysis: The report involves examining the Automotive Artificial Intelligence (AI) market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Automotive Artificial Intelligence (AI) market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Automotive Artificial Intelligence (AI):

Company Analysis: Report covers individual Automotive Artificial Intelligence (AI) players, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Automotive Artificial Intelligence (AI). This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Passenger Car, Commercial Car).

Technology Analysis: Report covers specific technologies relevant to Automotive Artificial Intelligence (AI). It assesses the current state, advancements, and potential future developments in Automotive Artificial Intelligence (AI) areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Automotive Artificial Intelligence (AI) market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Automotive Artificial Intelligence (AI) market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of value.

Market segment by Type

Hardware

Software

Service

Market segment by Application

Passenger Car

Commercial Car

Market segment by players, this report covers

NVIDIA

Uber Technologies

Alphabet (Google)

Microsoft

BMW

Xilinx

Didi

Intel

Amazon Web Services

IBM

Toyota Motor Corporation

Audi

Micron

Samsung

Tesla

Hyundai Motor Corporation

Argo AI

SenseTime

Qualcomm

General Motors Company

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, Australia and Rest of Asia-Pacific)

South America (Brazil, Argentina and 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 Automotive Artificial Intelligence (AI) product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Automotive Artificial Intelligence (AI), with revenue, gross margin and global market share of Automotive Artificial Intelligence (AI) from 2019 to 2024.

Chapter 3, the Automotive Artificial Intelligence (AI) 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 application, with consumption value and growth rate by Type, application, from 2019 to 2030.

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 2019 to 2024. and Automotive Artificial Intelligence (AI) market forecast, by regions, type and application, with consumption value, from 2025 to 2030.

Chapter 11, market dynamics, drivers, restraints, trends and Porters Five Forces

analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of Automotive Artificial Intelligence (AI).

Chapter 13, to describe Automotive Artificial Intelligence (AI) research findings and conclusion.

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