

# Global Automotive AI Chipset Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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## Abstracts

According to our (Global Info Research) latest study, the global Automotive AI Chipset market size was valued at USD 1300.1 million in 2023 and is forecast to a readjusted size of USD 7412 million by 2030 with a CAGR of 28.2% during review period.

The automotive AI chipset market is experiencing significant growth and is expected to continue this trend in the coming years. Here are some key trends in the automotive AI chipset market:

- Increasing adoption of autonomous vehicles:** The development and deployment of autonomous vehicles heavily rely on AI technology. Automotive AI chipsets play a crucial role in enabling advanced driver assistance systems (ADAS) and autonomous driving capabilities. As the demand for autonomous vehicles continues to rise, the automotive AI chipset market is expected to grow significantly.
- Growing demand for AI-powered infotainment systems:** AI chipsets are being used to power advanced infotainment systems in vehicles. These systems offer features such as voice recognition, natural language processing, and personalized user experiences. The integration of AI chipsets in infotainment systems enhances user interaction and provides a more intuitive and convenient driving experience.

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

Regionally, the report analyzes the Automotive AI Chipset 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 AI Chipset market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the Automotive AI Chipset 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 AI Chipset 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 sales quantity (K Units), revenue generated, and market share of different by Type (e.g., GPU, ASIC).

**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 AI Chipset market.

**Regional Analysis:** The report involves examining the Automotive AI Chipset 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 AI Chipset 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 AI Chipset:

**Company Analysis:** Report covers individual Automotive AI Chipset manufacturers, 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 AI Chipset. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Passenger vehicle, Commercial vehicle).

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

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Automotive AI Chipset 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 AI Chipset 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 volume and value.

### Market segment by Type

GPU

ASIC

FGPA

CPU

### Market segment by Application

Passenger vehicle

Commercial vehicle

## Major players covered

Advanced Micro Devices Inc.

Xilinx Inc.

Graphcore Ltd

Huawei Technologies Co.Ltd

IBM Corporation

Intel Corporation

NVIDIA Corporation

Micron Technology Inc.

Samsung Semiconductor (Samsung Electronics Co.Ltd)

Qualcomm

NVIDIA

NXP Semiconductors

Mobileye

## Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

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

Chapter 2, to profile the top manufacturers of Automotive AI Chipset, with price, sales, revenue and global market share of Automotive AI Chipset from 2019 to 2024.

Chapter 3, the Automotive AI Chipset competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Automotive AI Chipset breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Automotive AI Chipset market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Automotive AI Chipset.

Chapter 14 and 15, to describe Automotive AI Chipset sales channel, distributors, customers, research findings and conclusion.

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