

# Global Automotive AI Accelerator Market Growth 2024-2030

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## Abstracts

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An automotive AI accelerator is a dedicated hardware component designed to enhance the performance of artificial intelligence tasks within vehicles. It typically includes specialized processing units that are optimized for the computationally intensive operations required by AI algorithms. By offloading AI processing from the vehicle's main CPU, these accelerators optimize speed and energy efficiency, which is crucial for real-time decision-making in automotive applications.

The global Automotive AI Accelerator market size is projected to grow from US\$ million in 2024 to US\$ million in 2030; it is expected to grow at a CAGR of % from 2024 to 2030.

LP Information, Inc. (LPI) ' newest research report, the "Automotive AI Accelerator Industry Forecast" looks at past sales and reviews total world Automotive AI Accelerator sales in 2023, providing a comprehensive analysis by region and market sector of projected Automotive AI Accelerator sales for 2024 through 2030. With Automotive AI Accelerator sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Automotive AI Accelerator industry.

This Insight Report provides a comprehensive analysis of the global Automotive AI Accelerator landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Automotive AI Accelerator portfolios and capabilities, market entry strategies, market

positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Automotive AI Accelerator market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Automotive AI Accelerator and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Automotive AI Accelerator.

United States market for Automotive AI Accelerator is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

China market for Automotive AI Accelerator is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

Europe market for Automotive AI Accelerator is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

Global key Automotive AI Accelerator players cover STMicroelectronics, Ambarella, Analog Devices, Infineon, HAILO TECHNOLOGIES, etc. In terms of revenue, the global two largest companies occupied for a share nearly

% in 2023.

This report presents a comprehensive overview, market shares, and growth opportunities of Automotive AI Accelerator market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

8-bit

16-bit

32-bit

Segmentation by Application:

Passenger Cars

Commercial Vehicles

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

STMicroelectronics

Ambarella

Analog Devices

Infineon

HAILO TECHNOLOGIES

Tenstorrent

Kneron

Nvidia

Texas Instruments

SiMa Technologies

iStarChip Semiconductor

Espressif Systems

Andes Technology

Microchip

### Key Questions Addressed in this Report

What is the 10-year outlook for the global Automotive AI Accelerator market?

What factors are driving Automotive AI Accelerator market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Automotive AI Accelerator market opportunities vary by end market size?

How does Automotive AI Accelerator break out by Type, by Application?

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