

Global Edge AI for Automotive Market Growth 2026-2032

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Abstracts

The global Edge AI for Automotive market size is predicted to grow from US\$ 1587 million in 2025 to US\$ 5182 million in 2032; it is expected to grow at a CAGR of 18.8% from 2026 to 2032.

Edge AI chips are microprocessors specially designed to handle artificial intelligence tasks inside cars. They play a key role in smart driving, assisted driving, autonomous driving and other in-vehicle intelligent systems. These chips need to process a large amount of sensor data, including camera images, radar signals, LiDAR data, ultrasonic sensor information, etc., to achieve real-time environmental perception, object recognition, path planning and other functions.

United States market for Edge AI for Automotive is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Edge AI for Automotive is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Edge AI for Automotive is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Edge AI for Automotive players cover STMicroelectronics, NVIDIA, Intel, AMD, Google Cloud, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the 'Edge AI for Automotive Industry Forecast' looks at past sales and reviews total world Edge AI for Automotive

sales in 2025, providing a comprehensive analysis by region and market sector of projected Edge AI for Automotive sales for 2026 through 2032. With Edge AI for Automotive sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Edge AI for Automotive industry.

This Insight Report provides a comprehensive analysis of the global Edge AI for Automotive 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 Edge AI for Automotive portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Edge AI for Automotive market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Edge AI for Automotive 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 Edge AI for Automotive.

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

Segmentation by Type:

Speech Processing

Machine Vision

Sensing

Segmentation by Application:

ADAS

Others

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

NVIDIA

Intel

AMD

Google Cloud

Qualcomm

NXP

Kneron

Hailo

Ambarella

Hisilicon

Cambricon

Horizon Robotics

Black Sesame Technologies

Key Questions Addressed in this Report

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

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

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

How do Edge AI for Automotive market opportunities vary by end market size?

How does Edge AI for Automotive break out by Type, by Application?

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