

Global Autonomous Cars Chip Market Growth 2024-2030

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Abstracts

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Autonomous Cars Chip (also known as autonomous driving chip, ADAS chip, etc.) is mainly a computing unit that enables vehicles to achieve autonomous driving. It is part of the artificial intelligence (AI) chip. Starting from Computer Vision (CV), Autonomous Cars Chip has gradually evolved algorithms for the scenes that cars encounter during driving; the algorithms have two schools: top-down and bottom-up.

The global Autonomous Cars Chip 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 "Autonomous Cars Chip Industry Forecast" looks at past sales and reviews total world Autonomous Cars Chip sales in 2023, providing a comprehensive analysis by region and market sector of projected Autonomous Cars Chip sales for 2024 through 2030. With Autonomous Cars Chip sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Autonomous Cars Chip industry.

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

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Autonomous Cars Chip 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 Autonomous Cars Chip.

Automotive is a key driver of this industry. According to data from the World Automobile Organization (OICA), global automobile production and sales in 2017 reached their peak in the past 10 years, at 97.3 million and 95.89 million respectively. In 2018, the global economic expansion ended, and the global auto market declined as a whole. In 2022, there will wear units 81.6 million vehicles in the world. At present, more than 90% of the world's automobiles are concentrated in the three continents of Asia, Europe and North America, of which Asia automobile production accounts for 56% of the world, Europe accounts for 20%, and North America accounts for 16%. The world major automobile producing countries include China, the United States, Japan, South Korea, Germany, India, Mexico, and other countries; among them, China is the largest automobile producing country in the world, accounting for about 32%. Japan is the world's largest car exporter, exporting more than 3.5 million vehicles in 2022.

This report presents a comprehensive overview, market shares, and growth opportunities of Autonomous Cars Chip market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

GPU

FPGA

ASIC

Others

Segmentation by Application:

Passenger Car

Commercial Vehicle

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.

NVIDIA

Qualcomm

Mobileye

Tesla

Huawei

Horizon Robotics

Black Sesame Technologies

SemiDrive

TI

Renesas

Infineon

SiEngine Technology

Key Questions Addressed in this Report

What is the 10-year outlook for the global Autonomous Cars Chip market?

What factors are driving Autonomous Cars Chip market growth, globally and by region?

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

How do Autonomous Cars Chip market opportunities vary by end market size?

How does Autonomous Cars Chip break out by Type, by Application?

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