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Global Automotive-grade Chip Market Growth (Status and Outlook) 2025-2031

https://marketpublishers.com/r/G15A19370740EN.html
Date: November 2025
Pages: 74
Price: US$ 3,660.00 (Single User License)
ID: G15A19370740EN

Abstracts

According to this study, the global Automotive-grade Chip market size will reach US$ million by 2031.

Automotive-grade Chip refers to an integrated circuit (IC) that is designed, manufactured, and tested to meet the stringent requirements of the automotive industry. These chips are used in various components of vehicles, including engine control units, safety systems, infotainment systems, and more. Automotive-grade chips are built to withstand harsh environments, temperature fluctuations, and rigorous safety standards.

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.

LPI (LP Information)' newest research report, the “Automotive-grade Chip Industry Forecast” looks at past sales and reviews total world Automotive-grade Chip sales in 2024, providing a comprehensive analysis by region and market sector of projected Automotive-grade Chip sales for 2025 through 2031. With Automotive-grade Chip sales

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broken down by region, market sector and sub-sector, this report provides a detailed analysis in US$ millions of the world Automotive-grade Chip industry.

This Insight Report provides a comprehensive analysis of the global Automotive-grade 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 analyses the strategies of leading global companies with a focus on Automotive-grade Chip portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Automotive-grade Chip market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Automotive-grade 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 Automotive-grade Chip.

This report presents a comprehensive overview, market shares, and growth opportunities of Automotive-grade Chip market by product type, application, key players and key regions and countries.

Segmentation by Type:

Function Chip

Power Semiconductor

Sensor

Other

Segmentation by Application:

Passenger Car

Commercial Vehicle

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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

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Egypt

South Africa

Israel

Turkey

GCC Countries

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

Infineon Technologies

STMicroelectronics

NXP

Renesas Electronics

Texas Instruments

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