

Global Automotive-grade MCU Chips Market Growth 2026-2032

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Abstracts

The global Automotive-grade MCU Chips market size is predicted to grow from US\$ million in 2025 to US\$ million in 2032; it is expected to grow at a CAGR of %from 2026 to 2032.

MCU, a core chip for vehicle control, finds its application in body control, driving control, infotainment and driving assistance.

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.

LP Information, Inc. (LPI) ' newest research report, the "Automotive-grade MCU Chips Industry Forecast" looks at past sales and reviews total world Automotive-grade MCU Chips sales in 2025, providing a comprehensive analysis by region and market sector of projected Automotive-grade MCU Chips sales for 2026 through 2032. With Automotive-grade MCU Chips sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Automotive-grade MCU

Chips industry.

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

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

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

Segmentation by Type:

8 Bits

16 Bit

32 Bit

Segmentation by Application:

Body Control

Car Infotainment System

Intelligent Cockpit Domain

ADAS

Powertrain

Chassis and Safety Systems

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.

NXP Semiconductors

Infineon Technologies

Renesas Electronics

STMicroelectronics

Texas Instruments

Bosch Semiconductors

Onsemi

Microchip Technology

AutoChips

BYD Semiconductor

C Core Technology

Chipsea Tech Shenzhen

Sino Wealth Electronic Ltd.

GigaDevice

Unigroup Guoxin

Ingenic Semiconductor Co

Nuvoton

Cypress Semiconductor

Silicon Labs

ChipON

Anhui Saitong Microelectronics Co., Ltd.

Key Questions Addressed in this Report

What is the 10-year outlook for the global Automotive-grade MCU Chips market?

What factors are driving Automotive-grade MCU Chips market growth, globally and by region?

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

How do Automotive-grade MCU Chips market opportunities vary by end market size?

How does Automotive-grade MCU Chips break out by Type, by Application?

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