

Global Automotive Microcontrollers (MCU) Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Automotive Microcontrollers (MCU) market size was valued at USD 7402.3 million in 2023 and is forecast to a readjusted size of USD 11650 million by 2030 with a CAGR of 6.7% during review period.

Automotive microcontrollers are integrated chips, which enable control over the automobile functioning. Compact microcontrollers comprising least component designs are integrated into automobiles for performing activities that need functionalities such as monitoring and controlling.

Major manufacturers in the industry include NXP Semiconductors, Renesas Electronics and Microchip Technology, and their revenue share in 2019 is 23.04%, 22.13% and 14.96%, respectively.

The Global Info Research report includes an overview of the development of the Automotive Microcontrollers (MCU) industry chain, the market status of Body Electronics (8-Bit Microcontrollers, 16-Bit Microcontrollers), Chassis and Powertrain (8-Bit Microcontrollers, 16-Bit Microcontrollers), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Automotive Microcontrollers (MCU).

Regionally, the report analyzes the Automotive Microcontrollers (MCU) markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Automotive Microcontrollers (MCU) market, with robust

domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Automotive Microcontrollers (MCU) market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Automotive Microcontrollers (MCU) industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (M Units), revenue generated, and market share of different by Type (e.g., 8-Bit Microcontrollers, 16-Bit Microcontrollers).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Automotive Microcontrollers (MCU) market.

Regional Analysis: The report involves examining the Automotive Microcontrollers (MCU) market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Automotive Microcontrollers (MCU) market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Automotive Microcontrollers (MCU):

Company Analysis: Report covers individual Automotive Microcontrollers (MCU) manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and

attitudes towards Automotive Microcontrollers (MCU) This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Body Electronics, Chassis and Powertrain).

Technology Analysis: Report covers specific technologies relevant to Automotive Microcontrollers (MCU). It assesses the current state, advancements, and potential future developments in Automotive Microcontrollers (MCU) areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Automotive Microcontrollers (MCU) market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Automotive Microcontrollers (MCU) market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

8-Bit Microcontrollers

16-Bit Microcontrollers

32-Bit Microcontrollers

Market segment by Application

Body Electronics

Chassis and Powertrain

Infotainment and Telematics

Major players covered

NXP Semiconductors

Renesas Electronics

Microchip Technology

Infineon Technologies

STMicroelectronics

Texas Instruments

Cypress Semiconductors

Analog Devices

Silicon Laboratories

Toshiba

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Automotive Microcontrollers (MCU) product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Automotive Microcontrollers (MCU), with price, sales, revenue and global market share of Automotive Microcontrollers (MCU) from 2019 to 2024.

Chapter 3, the Automotive Microcontrollers (MCU) competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Automotive Microcontrollers (MCU) breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Automotive Microcontrollers (MCU) market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Automotive Microcontrollers (MCU).

Chapter 14 and 15, to describe Automotive Microcontrollers (MCU) sales channel, distributors, customers, research findings and conclusion.

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