

Automotive Microcontrollers (MCU) Industry Research Report 2023

<https://marketpublishers.com/r/AD1702061800EN.html>

Date: August 2023

Pages: 93

Price: US\$ 2,950.00 (Single User License)

ID: AD1702061800EN

Abstracts

This report aims to provide a comprehensive presentation of the global market for Automotive Microcontrollers (MCU), with both quantitative and qualitative analysis, to help readers develop business/growth strategies, assess the market competitive situation, analyze their position in the current marketplace, and make informed business decisions regarding Automotive Microcontrollers (MCU).

The Automotive Microcontrollers (MCU) market size, estimations, and forecasts are provided in terms of output/shipments (M Units) and revenue (\$ millions), considering 2022 as the base year, with history and forecast data for the period from 2018 to 2029. This report segments the global Automotive Microcontrollers (MCU) market comprehensively. Regional market sizes, concerning products by types, by application, and by players, are also provided. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

For a more in-depth understanding of the market, the report provides profiles of the competitive landscape, key competitors, and their respective market ranks. The report also discusses technological trends and new product developments.

The report will help the Automotive Microcontrollers (MCU) manufacturers, new entrants, and industry chain related companies in this market with information on the revenues, production, and average price for the overall market and the sub-segments across the different segments, by company, product type, application, and regions.

Key Companies & Market Share Insights

In this section, the readers will gain an understanding of the key players competing.

This report has studied the key growth strategies, such as innovative trends and developments, intensification of product portfolio, mergers and acquisitions, collaborations, new product innovation, and geographical expansion, undertaken by these participants to maintain their presence. Apart from business strategies, the study includes current developments and key financials. The readers will also get access to the data related to global revenue, price, and sales by manufacturers for the period 2018-2023. This all-inclusive report will certainly serve the clients to stay updated and make effective decisions in their businesses. Some of the prominent players reviewed in the research report include:

NXP Semiconductors

Renesas Electronics

Microchip Technology

Infineon Technologies

STMicroelectronics

Texas Instruments

Cypress Semiconductors

Analog Devices

Silicon Laboratories

Toshiba

Product Type Insights

Global markets are presented by Automotive Microcontrollers (MCU) type, along with growth forecasts through 2029. Estimates on production and value are based on the price in the supply chain at which the Automotive Microcontrollers (MCU) are procured by the manufacturers.

This report has studied every segment and provided the market size using historical

data. They have also talked about the growth opportunities that the segment may pose in the future. This study bestows production and revenue data by type, and during the historical period (2018-2023) and forecast period (2024-2029).

Automotive Microcontrollers (MCU) segment by Type

8-Bit Microcontrollers

16-Bit Microcontrollers

32-Bit Microcontrollers

Application Insights

This report has provided the market size (production and revenue data) by application, during the historical period (2018-2023) and forecast period (2024-2029).

This report also outlines the market trends of each segment and consumer behaviors impacting the Automotive Microcontrollers (MCU) market and what implications these may have on the industry's future. This report can help to understand the relevant market and consumer trends that are driving the Automotive Microcontrollers (MCU) market.

Automotive Microcontrollers (MCU) segment by Application

Body Electronics

Chassis and Powertrain

Infotainment and Telematics

Regional Outlook

This section of the report provides key insights regarding various regions and the key players operating in each region. Economic, social, environmental, technological, and political factors have been taken into consideration while assessing the growth of the particular region/country. The readers will also get their hands on the revenue and sales

data of each region and country for the period 2018-2029.

The market has been segmented into various major geographies, including North America, Europe, Asia-Pacific, South America. Detailed analysis of major countries such as the USA, Germany, the U.K., Italy, France, China, Japan, South Korea, Southeast Asia, and India will be covered within the regional segment. For market estimates, data are going to be provided for 2022 because of the base year, with estimates for 2023 and forecast value for 2029.

North America

U.S.

Canada

Europe

Germany

France

U.K.

Italy

Russia

Asia-Pacific

China

Japan

South Korea

India

Australia

China Taiwan

Indonesia

Thailand

Malaysia

Latin America

Mexico

Brazil

Argentina

Key Drivers & Barriers

High-impact rendering factors and drivers have been studied in this report to aid the readers to understand the general development. Moreover, the report includes restraints and challenges that may act as stumbling blocks on the way of the players. This will assist the users to be attentive and make informed decisions related to business. Specialists have also laid their focus on the upcoming business prospects.

COVID-19 and Russia-Ukraine War Influence Analysis

The readers in the section will understand how the Automotive Microcontrollers (MCU) market scenario changed across the globe during the pandemic, post-pandemic and Russia-Ukraine War. The study is done keeping in view the changes in aspects such as demand, consumption, transportation, consumer behavior, supply chain management, export and import, and production. The industry experts have also highlighted the key factors that will help create opportunities for players and stabilize the overall industry in the years to come.

Reasons to Buy This Report

This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report

also focuses on the competitive landscape of the global Automotive Microcontrollers (MCU) market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.

This report will help stakeholders to understand the global industry status and trends of Automotive Microcontrollers (MCU) and provides them with information on key market drivers, restraints, challenges, and opportunities.

This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in volume and value), competitor ecosystem, new product development, expansion, and acquisition.

This report stays updated with novel technology integration, features, and the latest developments in the market

This report helps stakeholders to understand the COVID-19 and Russia-Ukraine War Influence on the Automotive Microcontrollers (MCU) industry.

This report helps stakeholders to gain insights into which regions to target globally

This report helps stakeholders to gain insights into the end-user perception concerning the adoption of Automotive Microcontrollers (MCU).

This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

Core Chapters

Chapter 1: Research objectives, research methods, data sources, data cross-validation;

Chapter 2: Introduces the report scope of the report, executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the market and its likely evolution in the short to mid-term, and long term.

Chapter 3: Detailed analysis of Automotive Microcontrollers (MCU) manufacturers competitive landscape, price, production and value market share, latest development plan, merger, and acquisition information, etc.

Chapter 4: Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product production/output, value, price, gross margin, product introduction, recent development, etc.

Chapter 5: Production/output, value of Automotive Microcontrollers (MCU) by region/country. It provides a quantitative analysis of the market size and development potential of each region in the next six years.

Chapter 6: Consumption of Automotive Microcontrollers (MCU) in regional level and country level. It provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and production of each country in the world.

Chapter 7: Provides the analysis of various market segments by type, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 8: Provides the analysis of various market segments by application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 9: Analysis of industrial chain, including the upstream and downstream of the industry.

Chapter 10: Introduces the market dynamics, latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 11: The main points and conclusions of the report.

Contents

1 PREFACE

- 1.1 Scope of Report
- 1.2 Reasons for Doing This Study
- 1.3 Research Methodology
- 1.4 Research Process
- 1.5 Data Source
 - 1.5.1 Secondary Sources
 - 1.5.2 Primary Sources

2 MARKET OVERVIEW

- 2.1 Product Definition
- 2.2 Automotive Microcontrollers (MCU) by Type
 - 2.2.1 Market Value Comparison by Type (2018 VS 2022 VS 2029) & (US\$ Million)
 - 1.2.2 8-Bit Microcontrollers
 - 1.2.3 16-Bit Microcontrollers
 - 1.2.4 32-Bit Microcontrollers
- 2.3 Automotive Microcontrollers (MCU) by Application
 - 2.3.1 Market Value Comparison by Application (2018 VS 2022 VS 2029) & (US\$ Million)
 - 2.3.2 Body Electronics
 - 2.3.3 Chassis and Powertrain
 - 2.3.4 Infotainment and Telematics
- 2.4 Global Market Growth Prospects
 - 2.4.1 Global Automotive Microcontrollers (MCU) Production Value Estimates and Forecasts (2018-2029)
 - 2.4.2 Global Automotive Microcontrollers (MCU) Production Capacity Estimates and Forecasts (2018-2029)
 - 2.4.3 Global Automotive Microcontrollers (MCU) Production Estimates and Forecasts (2018-2029)
 - 2.4.4 Global Automotive Microcontrollers (MCU) Market Average Price (2018-2029)

3 MARKET COMPETITIVE LANDSCAPE BY MANUFACTURERS

- 3.1 Global Automotive Microcontrollers (MCU) Production by Manufacturers (2018-2023)

3.2 Global Automotive Microcontrollers (MCU) Production Value by Manufacturers (2018-2023)

3.3 Global Automotive Microcontrollers (MCU) Average Price by Manufacturers (2018-2023)

3.4 Global Automotive Microcontrollers (MCU) Industry Manufacturers Ranking, 2021 VS 2022 VS 2023

3.5 Global Automotive Microcontrollers (MCU) Key Manufacturers, Manufacturing Sites & Headquarters

3.6 Global Automotive Microcontrollers (MCU) Manufacturers, Product Type & Application

3.7 Global Automotive Microcontrollers (MCU) Manufacturers, Date of Enter into This Industry

3.8 Global Automotive Microcontrollers (MCU) Market CR5 and HHI

3.9 Global Manufacturers Mergers & Acquisition

4 MANUFACTURERS PROFILED

4.1 NXP Semiconductors

4.1.1 NXP Semiconductors Automotive Microcontrollers (MCU) Company Information

4.1.2 NXP Semiconductors Automotive Microcontrollers (MCU) Business Overview

4.1.3 NXP Semiconductors Automotive Microcontrollers (MCU) Production, Value and Gross Margin (2018-2023)

4.1.4 NXP Semiconductors Product Portfolio

4.1.5 NXP Semiconductors Recent Developments

4.2 Renesas Electronics

4.2.1 Renesas Electronics Automotive Microcontrollers (MCU) Company Information

4.2.2 Renesas Electronics Automotive Microcontrollers (MCU) Business Overview

4.2.3 Renesas Electronics Automotive Microcontrollers (MCU) Production, Value and Gross Margin (2018-2023)

4.2.4 Renesas Electronics Product Portfolio

4.2.5 Renesas Electronics Recent Developments

4.3 Microchip Technology

4.3.1 Microchip Technology Automotive Microcontrollers (MCU) Company Information

4.3.2 Microchip Technology Automotive Microcontrollers (MCU) Business Overview

4.3.3 Microchip Technology Automotive Microcontrollers (MCU) Production, Value and Gross Margin (2018-2023)

4.3.4 Microchip Technology Product Portfolio

4.3.5 Microchip Technology Recent Developments

4.4 Infineon Technologies

- 4.4.1 Infineon Technologies Automotive Microcontrollers (MCU) Company Information
- 4.4.2 Infineon Technologies Automotive Microcontrollers (MCU) Business Overview
- 4.4.3 Infineon Technologies Automotive Microcontrollers (MCU) Production, Value and Gross Margin (2018-2023)
- 4.4.4 Infineon Technologies Product Portfolio
- 4.4.5 Infineon Technologies Recent Developments
- 4.5 STMicroelectronics
 - 4.5.1 STMicroelectronics Automotive Microcontrollers (MCU) Company Information
 - 4.5.2 STMicroelectronics Automotive Microcontrollers (MCU) Business Overview
 - 4.5.3 STMicroelectronics Automotive Microcontrollers (MCU) Production, Value and Gross Margin (2018-2023)
 - 4.5.4 STMicroelectronics Product Portfolio
 - 4.5.5 STMicroelectronics Recent Developments
- 4.6 Texas Instruments
 - 4.6.1 Texas Instruments Automotive Microcontrollers (MCU) Company Information
 - 4.6.2 Texas Instruments Automotive Microcontrollers (MCU) Business Overview
 - 4.6.3 Texas Instruments Automotive Microcontrollers (MCU) Production, Value and Gross Margin (2018-2023)
 - 4.6.4 Texas Instruments Product Portfolio
 - 4.6.5 Texas Instruments Recent Developments
- 4.7 Cypress Semiconductors
 - 4.7.1 Cypress Semiconductors Automotive Microcontrollers (MCU) Company Information
 - 4.7.2 Cypress Semiconductors Automotive Microcontrollers (MCU) Business Overview
 - 4.7.3 Cypress Semiconductors Automotive Microcontrollers (MCU) Production, Value and Gross Margin (2018-2023)
 - 4.7.4 Cypress Semiconductors Product Portfolio
 - 4.7.5 Cypress Semiconductors Recent Developments
- 4.8 Analog Devices
 - 4.8.1 Analog Devices Automotive Microcontrollers (MCU) Company Information
 - 4.8.2 Analog Devices Automotive Microcontrollers (MCU) Business Overview
 - 4.8.3 Analog Devices Automotive Microcontrollers (MCU) Production, Value and Gross Margin (2018-2023)
 - 4.8.4 Analog Devices Product Portfolio
 - 4.8.5 Analog Devices Recent Developments
- 4.9 Silicon Laboratories
 - 4.9.1 Silicon Laboratories Automotive Microcontrollers (MCU) Company Information
 - 4.9.2 Silicon Laboratories Automotive Microcontrollers (MCU) Business Overview
 - 4.9.3 Silicon Laboratories Automotive Microcontrollers (MCU) Production, Value and

Gross Margin (2018-2023)

- 4.9.4 Silicon Laboratories Product Portfolio
- 4.9.5 Silicon Laboratories Recent Developments

4.10 Toshiba

- 4.10.1 Toshiba Automotive Microcontrollers (MCU) Company Information
- 4.10.2 Toshiba Automotive Microcontrollers (MCU) Business Overview
- 4.10.3 Toshiba Automotive Microcontrollers (MCU) Production, Value and Gross

Margin (2018-2023)

- 4.10.4 Toshiba Product Portfolio
- 4.10.5 Toshiba Recent Developments

5 GLOBAL AUTOMOTIVE MICROCONTROLLERS (MCU) PRODUCTION BY REGION

5.1 Global Automotive Microcontrollers (MCU) Production Estimates and Forecasts by Region: 2018 VS 2022 VS 2029

5.2 Global Automotive Microcontrollers (MCU) Production by Region: 2018-2029

- 5.2.1 Global Automotive Microcontrollers (MCU) Production by Region: 2018-2023
- 5.2.2 Global Automotive Microcontrollers (MCU) Production Forecast by Region

(2024-2029)

5.3 Global Automotive Microcontrollers (MCU) Production Value Estimates and Forecasts by Region: 2018 VS 2022 VS 2029

5.4 Global Automotive Microcontrollers (MCU) Production Value by Region: 2018-2029

5.4.1 Global Automotive Microcontrollers (MCU) Production Value by Region: 2018-2023

5.4.2 Global Automotive Microcontrollers (MCU) Production Value Forecast by Region (2024-2029)

5.5 Global Automotive Microcontrollers (MCU) Market Price Analysis by Region (2018-2023)

5.6 Global Automotive Microcontrollers (MCU) Production and Value, YOY Growth

5.6.1 North America Automotive Microcontrollers (MCU) Production Value Estimates and Forecasts (2018-2029)

5.6.2 Europe Automotive Microcontrollers (MCU) Production Value Estimates and Forecasts (2018-2029)

5.6.3 Japan Automotive Microcontrollers (MCU) Production Value Estimates and Forecasts (2018-2029)

5.6.4 China Automotive Microcontrollers (MCU) Production Value Estimates and Forecasts (2018-2029)

6 GLOBAL AUTOMOTIVE MICROCONTROLLERS (MCU) CONSUMPTION BY REGION

6.1 Global Automotive Microcontrollers (MCU) Consumption Estimates and Forecasts by Region: 2018 VS 2022 VS 2029

6.2 Global Automotive Microcontrollers (MCU) Consumption by Region (2018-2029)

6.2.1 Global Automotive Microcontrollers (MCU) Consumption by Region: 2018-2029

6.2.2 Global Automotive Microcontrollers (MCU) Forecasted Consumption by Region (2024-2029)

6.3 North America

6.3.1 North America Automotive Microcontrollers (MCU) Consumption Growth Rate by Country: 2018 VS 2022 VS 2029

6.3.2 North America Automotive Microcontrollers (MCU) Consumption by Country (2018-2029)

6.3.3 U.S.

6.3.4 Canada

6.4 Europe

6.4.1 Europe Automotive Microcontrollers (MCU) Consumption Growth Rate by Country: 2018 VS 2022 VS 2029

6.4.2 Europe Automotive Microcontrollers (MCU) Consumption by Country (2018-2029)

6.4.3 Germany

6.4.4 France

6.4.5 U.K.

6.4.6 Italy

6.4.7 Russia

6.5 Asia Pacific

6.5.1 Asia Pacific Automotive Microcontrollers (MCU) Consumption Growth Rate by Country: 2018 VS 2022 VS 2029

6.5.2 Asia Pacific Automotive Microcontrollers (MCU) Consumption by Country (2018-2029)

6.5.3 China

6.5.4 Japan

6.5.5 South Korea

6.5.6 China Taiwan

6.5.7 Southeast Asia

6.5.8 India

6.5.9 Australia

6.6 Latin America, Middle East & Africa

6.6.1 Latin America, Middle East & Africa Automotive Microcontrollers (MCU)
Consumption Growth Rate by Country: 2018 VS 2022 VS 2029

6.6.2 Latin America, Middle East & Africa Automotive Microcontrollers (MCU)
Consumption by Country (2018-2029)

6.6.3 Mexico

6.6.4 Brazil

6.6.5 Turkey

6.6.5 GCC Countries

7 SEGMENT BY TYPE

7.1 Global Automotive Microcontrollers (MCU) Production by Type (2018-2029)

7.1.1 Global Automotive Microcontrollers (MCU) Production by Type (2018-2029) & (M Units)

7.1.2 Global Automotive Microcontrollers (MCU) Production Market Share by Type (2018-2029)

7.2 Global Automotive Microcontrollers (MCU) Production Value by Type (2018-2029)

7.2.1 Global Automotive Microcontrollers (MCU) Production Value by Type (2018-2029) & (US\$ Million)

7.2.2 Global Automotive Microcontrollers (MCU) Production Value Market Share by Type (2018-2029)

7.3 Global Automotive Microcontrollers (MCU) Price by Type (2018-2029)

8 SEGMENT BY APPLICATION

8.1 Global Automotive Microcontrollers (MCU) Production by Application (2018-2029)

8.1.1 Global Automotive Microcontrollers (MCU) Production by Application (2018-2029) & (M Units)

8.1.2 Global Automotive Microcontrollers (MCU) Production by Application (2018-2029) & (M Units)

8.2 Global Automotive Microcontrollers (MCU) Production Value by Application (2018-2029)

8.2.1 Global Automotive Microcontrollers (MCU) Production Value by Application (2018-2029) & (US\$ Million)

8.2.2 Global Automotive Microcontrollers (MCU) Production Value Market Share by Application (2018-2029)

8.3 Global Automotive Microcontrollers (MCU) Price by Application (2018-2029)

9 VALUE CHAIN AND SALES CHANNELS ANALYSIS OF THE MARKET

9.1 Automotive Microcontrollers (MCU) Value Chain Analysis

9.1.1 Automotive Microcontrollers (MCU) Key Raw Materials

9.1.2 Raw Materials Key Suppliers

9.1.3 Automotive Microcontrollers (MCU) Production Mode & Process

9.2 Automotive Microcontrollers (MCU) Sales Channels Analysis

9.2.1 Direct Comparison with Distribution Share

9.2.2 Automotive Microcontrollers (MCU) Distributors

9.2.3 Automotive Microcontrollers (MCU) Customers

10 GLOBAL AUTOMOTIVE MICROCONTROLLERS (MCU) ANALYZING MARKET DYNAMICS

10.1 Automotive Microcontrollers (MCU) Industry Trends

10.2 Automotive Microcontrollers (MCU) Industry Drivers

10.3 Automotive Microcontrollers (MCU) Industry Opportunities and Challenges

10.4 Automotive Microcontrollers (MCU) Industry Restraints

11 REPORT CONCLUSION

12 DISCLAIMER

I would like to order

Product name: Automotive Microcontrollers (MCU) Industry Research Report 2023

Product link: <https://marketpublishers.com/r/AD1702061800EN.html>

Price: US\$ 2,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/AD1702061800EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970