

# Global 16-bit Automotive Microcontrollers (MCU) Supply, Demand and Key Producers, 2023-2029

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## Abstracts

The global 16-bit Automotive Microcontrollers (MCU) market size is expected to reach \$ 6460.5 million by 2029, rising at a market growth of 7.8% CAGR during the forecast period (2023-2029).

The 16-bit automotive microcontroller is a microcontroller chip specially designed for automotive electronic systems, and its core component is a 16-bit central processing unit (CPU). It is a further upgrade of the 8-bit automotive microcontroller, which has higher computing speed and more storage capacity, and can meet more complex and advanced automotive electronic system control requirements. The 16-bit automotive microcontroller is characterized by low power consumption, strong anti-electromagnetic interference capability, stable and reliable performance, better scalability and more peripheral interfaces, and can support more functions and more complex algorithms.

This report studies the global 16-bit Automotive Microcontrollers (MCU) production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for 16-bit Automotive Microcontrollers (MCU), and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of 16-bit Automotive Microcontrollers (MCU) that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global 16-bit Automotive Microcontrollers (MCU) total production and demand,

2018-2029, (K Units)

Global 16-bit Automotive Microcontrollers (MCU) total production value, 2018-2029, (USD Million)

Global 16-bit Automotive Microcontrollers (MCU) production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global 16-bit Automotive Microcontrollers (MCU) consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: 16-bit Automotive Microcontrollers (MCU) domestic production, consumption, key domestic manufacturers and share

Global 16-bit Automotive Microcontrollers (MCU) production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global 16-bit Automotive Microcontrollers (MCU) production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global 16-bit Automotive Microcontrollers (MCU) production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units)

This reports profiles key players in the global 16-bit Automotive Microcontrollers (MCU) market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include STMicroelectronics NV, Infineon Technologies AG, Renesas Electronics Corporation, Microchip Technology Inc., NXP Semiconductors NV, Texas Instruments Incorporated, Toshiba Corporation, ROHM Semiconductor and Analog Devices Inc., etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World 16-bit Automotive Microcontrollers (MCU) market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

#### Global 16-bit Automotive Microcontrollers (MCU) Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global 16-bit Automotive Microcontrollers (MCU) Market, Segmentation by Type

Vehicle To Vehicle (V2V) Connectivity

Vehicle To Infrastructure (V2I) Connectivity

Vehicle To Cloud (V2C) Connectivity

#### Global 16-bit Automotive Microcontrollers (MCU) Market, Segmentation by Application

Powertrain and Chassis

Body Electronics

Safety and Security Systems

Infotainment and Telematics

Other

Companies Profiled:

STMicroelectronics NV

Infineon Technologies AG

Renesas Electronics Corporation

Microchip Technology Inc.

NXP Semiconductors NV

Texas Instruments Incorporated

Toshiba Corporation

ROHM Semiconductor

Analog Devices Inc.

ON Semiconductor

Cypress Semiconductor Corp

Fujitsu Limited

Panasonic Corporation

Saankhya Labs

ASM Technologies

Broadcom Inc

CDIL

MosChip Semiconductor Technologies

HiSilicon

Will Semiconductor

### Key Questions Answered

1. How big is the global 16-bit Automotive Microcontrollers (MCU) market?
2. What is the demand of the global 16-bit Automotive Microcontrollers (MCU) market?
3. What is the year over year growth of the global 16-bit Automotive Microcontrollers (MCU) market?
4. What is the production and production value of the global 16-bit Automotive Microcontrollers (MCU) market?
5. Who are the key producers in the global 16-bit Automotive Microcontrollers (MCU) market?
6. What are the growth factors driving the market demand?

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