

# Global Automotive Body Electronics Microcontroller (MCU) Market Growth 2026-2032

<https://marketpublishers.com/r/G980D2E1D7A7EN.html>

Date: January 2026

Pages: 87

Price: US\$ 3,660.00 (Single User License)

ID: G980D2E1D7A7EN

## Abstracts

The global Automotive Body Electronics Microcontroller (MCU) market size is predicted to grow from US\$ 2643 million in 2025 to US\$ 3893 million in 2032; it is expected to grow at a CAGR of 5.7% from 2026 to 2032.

Automotive Body Electronics Microcontroller (MCU) is an automotive-grade controller designed for body electronics functions such as lighting, window lift systems, door modules, wiper control, and vehicle comfort management, integrating sensing, processing, and actuation capabilities to support a highly reliable and low-power body domain architecture. In 2025, production was approximately 3.86 billion units and the average price was USD 0.7 per unit. The industry's capacity utilization rate in 2025 was about 70% and the average gross margin was around 45%. Upstream, the most critical inputs include silicon wafers, photoresists, lithography machines, and etching tools, with representative suppliers such as ASML, Tokyo Electron, and Applied Materials providing essential semiconductor materials and equipment. The midstream segment includes system architecture design, embedded processor development, software–hardware integration, functional safety implementation, and chip-level verification, which determine computing efficiency, power characteristics, and automotive-grade reliability. Downstream, Automotive Body Electronics Microcontroller (MCU) is widely adopted in passenger cars and commercial vehicles produced by Toyota, Volkswagen, BMW, Mercedes-Benz, Ford, General Motors, BYD, SAIC Motor, and GAC Group.

United States market for Automotive Body Electronics Microcontroller (MCU) is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Automotive Body Electronics Microcontroller (MCU) is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Automotive Body Electronics Microcontroller (MCU) is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Automotive Body Electronics Microcontroller (MCU) players cover Microchip Technology, STMicroelectronics, Texas Instruments, Analog Devices, Silicon Laboratories, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

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

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

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Automotive Body Electronics Microcontroller (MCU) 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 Body Electronics Microcontroller (MCU).

This report presents a comprehensive overview, market shares, and growth opportunities of Automotive Body Electronics Microcontroller (MCU) market by product type, application, key manufacturers and key regions and countries.

#### Segmentation by Type:

8-Bit Microcontrollers

16-Bit Microcontrollers

#### Segmentation by Architecture:

ARM Cortex-M Series

ARM Cortex-R Series

ARM Cortex-A Series

Others

#### Segmentation by Grade:

ISO 26262 ASIL-B

ISO 26262 ASIL-A

Others

#### Segmentation by Operating Frequency:

Operating Frequency

## Contents

### 1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

### 2 EXECUTIVE SUMMARY

#### 2.1 World Market Overview

- 2.1.1 Global Automotive Body Electronics Microcontroller (MCU) Annual Sales 2021-2032
- 2.1.2 World Current & Future Analysis for Automotive Body Electronics Microcontroller (MCU) by Geographic Region, 2021, 2025 & 2032
- 2.1.3 World Current & Future Analysis for Automotive Body Electronics Microcontroller (MCU) by Country/Region, 2021, 2025 & 2032

#### 2.2 Automotive Body Electronics Microcontroller (MCU) Segment by Type

- 2.2.1 8-Bit Microcontrollers
- 2.2.2 16-Bit Microcontrollers
- 2.2.3 Automotive Body Electronics Microcontroller (MCU) Sales by Type
  - 2.2.3.1 Global Automotive Body Electronics Microcontroller (MCU) Sales Market Share by Type (2021-2026)
  - 2.2.3.2 Global Automotive Body Electronics Microcontroller (MCU) Revenue and Market Share by Type (2021-2026)
  - 2.2.3.3 Global Automotive Body Electronics Microcontroller (MCU) Sale Price by Type (2021-2026)

#### 2.3 Automotive Body Electronics Microcontroller (MCU) Segment by Architecture

- 2.3.1 ARM Cortex-M Series
- 2.3.2 ARM Cortex-R Series
- 2.3.3 ARM Cortex-A Series
- 2.3.4 Others
- 2.3.5 Automotive Body Electronics Microcontroller (MCU) Sales by Architecture
  - 2.3.5.1 Global Automotive Body Electronics Microcontroller (MCU) Sales Market

## Share by Architecture (2021-2026)

### 2.3.5.2 Global Automotive Body Electronics Microcontroller (MCU) Revenue and Market Share by Architecture (2021-2026)

#### 2.3.5.3 Global Automotive Body Electronics Microcontroller (MCU) Sale Price by Architecture (2021-2026)

## 2.4 Automotive Body Electronics Microcontroller (MCU) Segment by Grade

### 2.4.1 ISO 26262 ASIL-B

### 2.4.2 ISO 26262 ASIL-A

### 2.4.3 Others

### 2.4.4 Automotive Body Electronics Microcontroller (MCU) Sales by Grade

#### 2.4.4.1 Global Automotive Body Electronics Microcontroller (MCU) Sales Market Share by Grade (2021-2026)

#### 2.4.4.2 Global Automotive Body Electronics Microcontroller (MCU) Revenue and Market Share by Grade (2021-2026)

#### 2.4.4.3 Global Automotive Body Electronics Microcontroller (MCU) Sale Price by Grade (2021-2026)

## 2.5 Automotive Body Electronics Microcontroller (MCU) Segment by Operating Frequency

### 2.5.1 Operating Frequency

## List Of Tables

### LIST OF TABLES

- Table 1. Automotive Body Electronics Microcontroller (MCU) Annual Sales CAGR by Geographic Region (2021, 2025 & 2032) & (\$ millions)
- Table 2. Automotive Body Electronics Microcontroller (MCU) Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & (\$ millions)
- Table 3. Major Players of 8-Bit Microcontrollers
- Table 4. Major Players of 16-Bit Microcontrollers
- Table 5. Global Automotive Body Electronics Microcontroller (MCU) Sales by Type (2021-2026) & (Million Units)
- Table 6. Global Automotive Body Electronics Microcontroller (MCU) Sales Market Share by Type (2021-2026)
- Table 7. Global Automotive Body Electronics Microcontroller (MCU) Revenue by Type (2021-2026) & (\$ million)
- Table 8. Global Automotive Body Electronics Microcontroller (MCU) Revenue Market Share by Type (2021-2026)
- Table 9. Global Automotive Body Electronics Microcontroller (MCU) Sale Price by Type (2021-2026) & (US\$/Unit)
- Table 10. Major Players of ARM Cortex-M Series
- Table 11. Major Players of ARM Cortex-R Series
- Table 12. Major Players of ARM Cortex-A Series
- Table 13. Major Players of Others
- Table 14. Global Automotive Body Electronics Microcontroller (MCU) Sales by Architecture (2021-2026) & (Million Units)
- Table 15. Global Automotive Body Electronics Microcontroller (MCU) Sales Market Share by Architecture (2021-2026)
- Table 16. Global Automotive Body Electronics Microcontroller (MCU) Revenue by Architecture (2021-2026) & (\$ million)
- Table 17. Global Automotive Body Electronics Microcontroller (MCU) Revenue Market Share by Architecture (2021-2026)
- Table 18. Global Automotive Body Electronics Microcontroller (MCU) Sale Price by Architecture (2021-2026) & (US\$/Unit)
- Table 19. Major Players of ISO 26262 ASIL-B
- Table 20. Major Players of ISO 26262 ASIL-A
- Table 21. Major Players of Others
- Table 22. Global Automotive Body Electronics Microcontroller (MCU) Sales by Grade (2021-2026) & (Million Units)

Table 23. Global Automotive Body Electronics Microcontroller (MCU) Sales Market Share by Grade (2021-2026)

Table 24. Global Automotive Body Electronics Microcontroller (MCU) Revenue by Grade (2021-2026) & (\$ million)

Table 25. Global Automotive Body Electronics Microcontroller (MCU) Revenue Market Share by Grade (2021-2026)

Table 26. Global Automotive Body Electronics Microcontroller (MCU) Sale Price by Grade (2021-2026) & (US\$/Unit)

Table 27. Major Players of Operating Frequency

## List Of Figures

### LIST OF FIGURES

- Figure 1. Picture of Automotive Body Electronics Microcontroller (MCU)
- Figure 2. Automotive Body Electronics Microcontroller (MCU) Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Automotive Body Electronics Microcontroller (MCU) Sales Growth Rate 2021-2032 (Million Units)
- Figure 7. Global Automotive Body Electronics Microcontroller (MCU) Revenue Growth Rate 2021-2032 (\$ millions)
- Figure 8. Automotive Body Electronics Microcontroller (MCU) Sales by Geographic Region (2021, 2025 & 2032) & (\$ millions)
- Figure 9. Automotive Body Electronics Microcontroller (MCU) Sales Market Share by Country/Region (2025)
- Figure 10. Automotive Body Electronics Microcontroller (MCU) Sales Market Share by Country/Region (2021, 2025 & 2032)
- Figure 11. Product Picture of 8-Bit Microcontrollers
- Figure 12. Product Picture of 16-Bit Microcontrollers
- Figure 13. Global Automotive Body Electronics Microcontroller (MCU) Sales Market Share by Type in 2026
- Figure 14. Global Automotive Body Electronics Microcontroller (MCU) Revenue Market Share by Type (2021-2026)
- Figure 15. Product Picture of ARM Cortex-M Series
- Figure 16. Product Picture of ARM Cortex-R Series
- Figure 17. Product Picture of ARM Cortex-A Series
- Figure 18. Product Picture of Others
- Figure 19. Global Automotive Body Electronics Microcontroller (MCU) Sales Market Share by Architecture in 2026
- Figure 20. Global Automotive Body Electronics Microcontroller (MCU) Revenue Market Share by Architecture (2021-2026)
- Figure 21. Product Picture of ISO 26262 ASIL-B
- Figure 22. Product Picture of ISO 26262 ASIL-A
- Figure 23. Product Picture of Others
- Figure 24. Global Automotive Body Electronics Microcontroller (MCU) Sales Market Share by Grade in 2026
- Figure 25. Global Automotive Body Electronics Microcontroller (MCU) Revenue Market

Share by Grade (2021-2026)

Figure 26. Product Picture of Operating Frequency

## I would like to order

Product name: Global Automotive Body Electronics Microcontroller (MCU) Market Growth 2026-2032

Product link: <https://marketpublishers.com/r/G980D2E1D7A7EN.html>

Price: US\$ 3,660.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G980D2E1D7A7EN.html>