

# Global 8-Bit Microcontroller Market Growth 2025-2031

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## Abstracts

The global 8-Bit Microcontroller market size is predicted to grow from US\$ 7878 million in 2025 to US\$ 8433 million in 2031; it is expected to grow at a CAGR of 1.1% from 2025 to 2031.

The impact of the latest U.S. tariff measures and the corresponding policy responses from countries worldwide on market competitiveness, regional economic performance, and supply chain configurations will be comprehensively evaluated in this report.

A microcontroller (MCU for microcontroller unit, or UC for ?-controller) is a small computer on a single integrated circuit.

Growing Adoption of Microcontrollers in Automotive Sector. The 8-bit microcontroller market in the automotive industry is majorly impacted due to the number of applications. HVAC systems are one of the major applications for microcontrollers that is greatly influencing the growth rate. Reduction of system size and weight is expected to increase industry growth during the forecast period. Government initiatives to limit global warming are helping in the introduction of energy efficient and green technology solutions. The increasing need for comfort, fuel efficiency and growing adoption of luxury vehicles is further fueling the adoption rate of these systems, thereby, impacting the 8-bit microcontroller market.

LP Information, Inc. (LPI) ' newest research report, the "8-Bit Microcontroller Industry Forecast" looks at past sales and reviews total world 8-Bit Microcontroller sales in 2024, providing a comprehensive analysis by region and market sector of projected 8-Bit Microcontroller sales for 2025 through 2031. With 8-Bit Microcontroller sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world 8-Bit Microcontroller industry.

This Insight Report provides a comprehensive analysis of the global 8-Bit Microcontroller 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 8-Bit Microcontroller portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global 8-Bit Microcontroller market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for 8-Bit Microcontroller 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 8-Bit Microcontroller.

This report presents a comprehensive overview, market shares, and growth opportunities of 8-Bit Microcontroller market by product type, application, key manufacturers and key regions and countries.

### **Segmentation by Type:**

Less Than 80 Pins

80-120 Pins

More Than 120 Pins

### **Segmentation by Application:**

Industrial

Automotive

Communications

Medical

Consumer

Others

**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.

Microchip

Renesas Electronics

STMicroelectronics

Analog Devices

NXP

Texas Instruments

Toshiba

Maxim Integrated

Infineon Technologies

Zilog Inc

Cypress Semiconductor

**Key Questions Addressed in this Report**

What is the 10-year outlook for the global 8-Bit Microcontroller market?

What factors are driving 8-Bit Microcontroller market growth, globally and by region?

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

How do 8-Bit Microcontroller market opportunities vary by end market size?

How does 8-Bit Microcontroller break out by Type, by Application?

## 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 8-Bit Microcontroller Annual Sales 2020-2031
  - 2.1.2 World Current & Future Analysis for 8-Bit Microcontroller by Geographic Region, 2020, 2024 & 2031
  - 2.1.3 World Current & Future Analysis for 8-Bit Microcontroller by Country/Region, 2020, 2024 & 2031
- 2.2 8-Bit Microcontroller Segment by Type
  - 2.2.1 Less Than 80 Pins
  - 2.2.2 80-120 Pins
  - 2.2.3 More Than 120 Pins
- 2.3 8-Bit Microcontroller Sales by Type
  - 2.3.1 Global 8-Bit Microcontroller Sales Market Share by Type (2020-2025)
  - 2.3.2 Global 8-Bit Microcontroller Revenue and Market Share by Type (2020-2025)
  - 2.3.3 Global 8-Bit Microcontroller Sale Price by Type (2020-2025)
- 2.4 8-Bit Microcontroller Segment by Application
  - 2.4.1 Industrial
  - 2.4.2 Automotive
  - 2.4.3 Communications
  - 2.4.4 Medical
  - 2.4.5 Consumer
  - 2.4.6 Others
- 2.5 8-Bit Microcontroller Sales by Application
  - 2.5.1 Global 8-Bit Microcontroller Sale Market Share by Application (2020-2025)
  - 2.5.2 Global 8-Bit Microcontroller Revenue and Market Share by Application

(2020-2025)

2.5.3 Global 8-Bit Microcontroller Sale Price by Application (2020-2025)

### **3 GLOBAL BY COMPANY**

3.1 Global 8-Bit Microcontroller Breakdown Data by Company

3.1.1 Global 8-Bit Microcontroller Annual Sales by Company (2020-2025)

3.1.2 Global 8-Bit Microcontroller Sales Market Share by Company (2020-2025)

3.2 Global 8-Bit Microcontroller Annual Revenue by Company (2020-2025)

3.2.1 Global 8-Bit Microcontroller Revenue by Company (2020-2025)

3.2.2 Global 8-Bit Microcontroller Revenue Market Share by Company (2020-2025)

3.3 Global 8-Bit Microcontroller Sale Price by Company

3.4 Key Manufacturers 8-Bit Microcontroller Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers 8-Bit Microcontroller Product Location Distribution

3.4.2 Players 8-Bit Microcontroller Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2023-2025)

3.6 New Products and Potential Entrants

3.7 Market M&A Activity & Strategy

### **4 WORLD HISTORIC REVIEW FOR 8-BIT MICROCONTROLLER BY GEOGRAPHIC REGION**

4.1 World Historic 8-Bit Microcontroller Market Size by Geographic Region (2020-2025)

4.1.1 Global 8-Bit Microcontroller Annual Sales by Geographic Region (2020-2025)

4.1.2 Global 8-Bit Microcontroller Annual Revenue by Geographic Region (2020-2025)

4.2 World Historic 8-Bit Microcontroller Market Size by Country/Region (2020-2025)

4.2.1 Global 8-Bit Microcontroller Annual Sales by Country/Region (2020-2025)

4.2.2 Global 8-Bit Microcontroller Annual Revenue by Country/Region (2020-2025)

4.3 Americas 8-Bit Microcontroller Sales Growth

4.4 APAC 8-Bit Microcontroller Sales Growth

4.5 Europe 8-Bit Microcontroller Sales Growth

4.6 Middle East & Africa 8-Bit Microcontroller Sales Growth

### **5 AMERICAS**

5.1 Americas 8-Bit Microcontroller Sales by Country

- 5.1.1 Americas 8-Bit Microcontroller Sales by Country (2020-2025)
- 5.1.2 Americas 8-Bit Microcontroller Revenue by Country (2020-2025)
- 5.2 Americas 8-Bit Microcontroller Sales by Type (2020-2025)
- 5.3 Americas 8-Bit Microcontroller Sales by Application (2020-2025)
- 5.4 United States
- 5.5 Canada
- 5.6 Mexico
- 5.7 Brazil

## **6 APAC**

- 6.1 APAC 8-Bit Microcontroller Sales by Region
  - 6.1.1 APAC 8-Bit Microcontroller Sales by Region (2020-2025)
  - 6.1.2 APAC 8-Bit Microcontroller Revenue by Region (2020-2025)
- 6.2 APAC 8-Bit Microcontroller Sales by Type (2020-2025)
- 6.3 APAC 8-Bit Microcontroller Sales by Application (2020-2025)
- 6.4 China
- 6.5 Japan
- 6.6 South Korea
- 6.7 Southeast Asia
- 6.8 India
- 6.9 Australia
- 6.10 China Taiwan

## **7 EUROPE**

- 7.1 Europe 8-Bit Microcontroller by Country
  - 7.1.1 Europe 8-Bit Microcontroller Sales by Country (2020-2025)
  - 7.1.2 Europe 8-Bit Microcontroller Revenue by Country (2020-2025)
- 7.2 Europe 8-Bit Microcontroller Sales by Type (2020-2025)
- 7.3 Europe 8-Bit Microcontroller Sales by Application (2020-2025)
- 7.4 Germany
- 7.5 France
- 7.6 UK
- 7.7 Italy
- 7.8 Russia

## **8 MIDDLE EAST & AFRICA**

## 8.1 Middle East & Africa 8-Bit Microcontroller by Country

8.1.1 Middle East & Africa 8-Bit Microcontroller Sales by Country (2020-2025)

8.1.2 Middle East & Africa 8-Bit Microcontroller Revenue by Country (2020-2025)

## 8.2 Middle East & Africa 8-Bit Microcontroller Sales by Type (2020-2025)

## 8.3 Middle East & Africa 8-Bit Microcontroller Sales by Application (2020-2025)

## 8.4 Egypt

## 8.5 South Africa

## 8.6 Israel

## 8.7 Turkey

## 8.8 GCC Countries

# 9 MARKET DRIVERS, CHALLENGES AND TRENDS

## 9.1 Market Drivers & Growth Opportunities

## 9.2 Market Challenges & Risks

## 9.3 Industry Trends

# 10 MANUFACTURING COST STRUCTURE ANALYSIS

## 10.1 Raw Material and Suppliers

## 10.2 Manufacturing Cost Structure Analysis of 8-Bit Microcontroller

## 10.3 Manufacturing Process Analysis of 8-Bit Microcontroller

## 10.4 Industry Chain Structure of 8-Bit Microcontroller

# 11 MARKETING, DISTRIBUTORS AND CUSTOMER

## 11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

## 11.2 8-Bit Microcontroller Distributors

## 11.3 8-Bit Microcontroller Customer

# 12 WORLD FORECAST REVIEW FOR 8-BIT MICROCONTROLLER BY GEOGRAPHIC REGION

## 12.1 Global 8-Bit Microcontroller Market Size Forecast by Region

12.1.1 Global 8-Bit Microcontroller Forecast by Region (2026-2031)

12.1.2 Global 8-Bit Microcontroller Annual Revenue Forecast by Region (2026-2031)

## 12.2 Americas Forecast by Country (2026-2031)

- 12.3 APAC Forecast by Region (2026-2031)
- 12.4 Europe Forecast by Country (2026-2031)
- 12.5 Middle East & Africa Forecast by Country (2026-2031)
- 12.6 Global 8-Bit Microcontroller Forecast by Type (2026-2031)
- 12.7 Global 8-Bit Microcontroller Forecast by Application (2026-2031)

## **13 KEY PLAYERS ANALYSIS**

### 13.1 Microchip

- 13.1.1 Microchip Company Information

- 13.1.2 Microchip 8-Bit Microcontroller Product Portfolios and Specifications

- 13.1.3 Microchip 8-Bit Microcontroller Sales, Revenue, Price and Gross Margin (2020-2025)

- 13.1.4 Microchip Main Business Overview

- 13.1.5 Microchip Latest Developments

### 13.2 Renesas Electronics

- 13.2.1 Renesas Electronics Company Information

- 13.2.2 Renesas Electronics 8-Bit Microcontroller Product Portfolios and Specifications

- 13.2.3 Renesas Electronics 8-Bit Microcontroller Sales, Revenue, Price and Gross Margin (2020-2025)

- 13.2.4 Renesas Electronics Main Business Overview

- 13.2.5 Renesas Electronics Latest Developments

### 13.3 STMicroelectronics

- 13.3.1 STMicroelectronics Company Information

- 13.3.2 STMicroelectronics 8-Bit Microcontroller Product Portfolios and Specifications

- 13.3.3 STMicroelectronics 8-Bit Microcontroller Sales, Revenue, Price and Gross Margin (2020-2025)

- 13.3.4 STMicroelectronics Main Business Overview

- 13.3.5 STMicroelectronics Latest Developments

### 13.4 Analog Devices

- 13.4.1 Analog Devices Company Information

- 13.4.2 Analog Devices 8-Bit Microcontroller Product Portfolios and Specifications

- 13.4.3 Analog Devices 8-Bit Microcontroller Sales, Revenue, Price and Gross Margin (2020-2025)

- 13.4.4 Analog Devices Main Business Overview

- 13.4.5 Analog Devices Latest Developments

### 13.5 NXP

- 13.5.1 NXP Company Information

- 13.5.2 NXP 8-Bit Microcontroller Product Portfolios and Specifications

- 13.5.3 NXP 8-Bit Microcontroller Sales, Revenue, Price and Gross Margin (2020-2025)
- 13.5.4 NXP Main Business Overview
- 13.5.5 NXP Latest Developments
- 13.6 Texas Instruments
  - 13.6.1 Texas Instruments Company Information
  - 13.6.2 Texas Instruments 8-Bit Microcontroller Product Portfolios and Specifications
  - 13.6.3 Texas Instruments 8-Bit Microcontroller Sales, Revenue, Price and Gross Margin (2020-2025)
  - 13.6.4 Texas Instruments Main Business Overview
  - 13.6.5 Texas Instruments Latest Developments
- 13.7 Toshiba
  - 13.7.1 Toshiba Company Information
  - 13.7.2 Toshiba 8-Bit Microcontroller Product Portfolios and Specifications
  - 13.7.3 Toshiba 8-Bit Microcontroller Sales, Revenue, Price and Gross Margin (2020-2025)
  - 13.7.4 Toshiba Main Business Overview
  - 13.7.5 Toshiba Latest Developments
- 13.8 Maxim Integrated
  - 13.8.1 Maxim Integrated Company Information
  - 13.8.2 Maxim Integrated 8-Bit Microcontroller Product Portfolios and Specifications
  - 13.8.3 Maxim Integrated 8-Bit Microcontroller Sales, Revenue, Price and Gross Margin (2020-2025)
  - 13.8.4 Maxim Integrated Main Business Overview
  - 13.8.5 Maxim Integrated Latest Developments
- 13.9 Infineon Technologies
  - 13.9.1 Infineon Technologies Company Information
  - 13.9.2 Infineon Technologies 8-Bit Microcontroller Product Portfolios and Specifications
  - 13.9.3 Infineon Technologies 8-Bit Microcontroller Sales, Revenue, Price and Gross Margin (2020-2025)
  - 13.9.4 Infineon Technologies Main Business Overview
  - 13.9.5 Infineon Technologies Latest Developments
- 13.10 Zilog Inc
  - 13.10.1 Zilog Inc Company Information
  - 13.10.2 Zilog Inc 8-Bit Microcontroller Product Portfolios and Specifications
  - 13.10.3 Zilog Inc 8-Bit Microcontroller Sales, Revenue, Price and Gross Margin (2020-2025)
  - 13.10.4 Zilog Inc Main Business Overview
  - 13.10.5 Zilog Inc Latest Developments

### 13.11 Cypress Semiconductor

13.11.1 Cypress Semiconductor Company Information

13.11.2 Cypress Semiconductor 8-Bit Microcontroller Product Portfolios and Specifications

13.11.3 Cypress Semiconductor 8-Bit Microcontroller Sales, Revenue, Price and Gross Margin (2020-2025)

13.11.4 Cypress Semiconductor Main Business Overview

13.11.5 Cypress Semiconductor Latest Developments

## **14 RESEARCH FINDINGS AND CONCLUSION**

## List Of Tables

### LIST OF TABLES

Table 1. 8-Bit Microcontroller Annual Sales CAGR by Geographic Region (2020, 2024 & 2031) & (\$ millions)

Table 2. 8-Bit Microcontroller Annual Sales CAGR by Country/Region (2020, 2024 & 2031) & (\$ millions)

Table 3. Major Players of Less Than 80 Pins

Table 4. Major Players of 80-120 Pins

Table 5. Major Players of More Than 120 Pins

Table 6. Global 8-Bit Microcontroller Sales by Type (2020-2025) & (K Units)

Table 7. Global 8-Bit Microcontroller Sales Market Share by Type (2020-2025)

Table 8. Global 8-Bit Microcontroller Revenue by Type (2020-2025) & (\$ million)

Table 9. Global 8-Bit Microcontroller Revenue Market Share by Type (2020-2025)

Table 10. Global 8-Bit Microcontroller Sale Price by Type (2020-2025) & (USD/Unit)

Table 11. Global 8-Bit Microcontroller Sale by Application (2020-2025) & (K Units)

Table 12. Global 8-Bit Microcontroller Sale Market Share by Application (2020-2025)

Table 13. Global 8-Bit Microcontroller Revenue by Application (2020-2025) & (\$ million)

Table 14. Global 8-Bit Microcontroller Revenue Market Share by Application (2020-2025)

Table 15. Global 8-Bit Microcontroller Sale Price by Application (2020-2025) & (USD/Unit)

Table 16. Global 8-Bit Microcontroller Sales by Company (2020-2025) & (K Units)

Table 17. Global 8-Bit Microcontroller Sales Market Share by Company (2020-2025)

Table 18. Global 8-Bit Microcontroller Revenue by Company (2020-2025) & (\$ millions)

Table 19. Global 8-Bit Microcontroller Revenue Market Share by Company (2020-2025)

Table 20. Global 8-Bit Microcontroller Sale Price by Company (2020-2025) & (USD/Unit)

Table 21. Key Manufacturers 8-Bit Microcontroller Producing Area Distribution and Sales Area

Table 22. Players 8-Bit Microcontroller Products Offered

Table 23. 8-Bit Microcontroller Concentration Ratio (CR3, CR5 and CR10) & (2023-2025)

Table 24. New Products and Potential Entrants

Table 25. Market M&A Activity & Strategy

Table 26. Global 8-Bit Microcontroller Sales by Geographic Region (2020-2025) & (K Units)

Table 27. Global 8-Bit Microcontroller Sales Market Share Geographic Region

(2020-2025)

Table 28. Global 8-Bit Microcontroller Revenue by Geographic Region (2020-2025) & (\$ millions)

Table 29. Global 8-Bit Microcontroller Revenue Market Share by Geographic Region (2020-2025)

Table 30. Global 8-Bit Microcontroller Sales by Country/Region (2020-2025) & (K Units)

Table 31. Global 8-Bit Microcontroller Sales Market Share by Country/Region (2020-2025)

Table 32. Global 8-Bit Microcontroller Revenue by Country/Region (2020-2025) & (\$ millions)

Table 33. Global 8-Bit Microcontroller Revenue Market Share by Country/Region (2020-2025)

Table 34. Americas 8-Bit Microcontroller Sales by Country (2020-2025) & (K Units)

Table 35. Americas 8-Bit Microcontroller Sales Market Share by Country (2020-2025)

Table 36. Americas 8-Bit Microcontroller Revenue by Country (2020-2025) & (\$ millions)

Table 37. Americas 8-Bit Microcontroller Sales by Type (2020-2025) & (K Units)

Table 38. Americas 8-Bit Microcontroller Sales by Application (2020-2025) & (K Units)

Table 39. APAC 8-Bit Microcontroller Sales by Region (2020-2025) & (K Units)

Table 40. APAC 8-Bit Microcontroller Sales Market Share by Region (2020-2025)

Table 41. APAC 8-Bit Microcontroller Revenue by Region (2020-2025) & (\$ millions)

Table 42. APAC 8-Bit Microcontroller Sales by Type (2020-2025) & (K Units)

Table 43. APAC 8-Bit Microcontroller Sales by Application (2020-2025) & (K Units)

Table 44. Europe 8-Bit Microcontroller Sales by Country (2020-2025) & (K Units)

Table 45. Europe 8-Bit Microcontroller Revenue by Country (2020-2025) & (\$ millions)

Table 46. Europe 8-Bit Microcontroller Sales by Type (2020-2025) & (K Units)

Table 47. Europe 8-Bit Microcontroller Sales by Application (2020-2025) & (K Units)

Table 48. Middle East & Africa 8-Bit Microcontroller Sales by Country (2020-2025) & (K Units)

Table 49. Middle East & Africa 8-Bit Microcontroller Revenue Market Share by Country (2020-2025)

Table 50. Middle East & Africa 8-Bit Microcontroller Sales by Type (2020-2025) & (K Units)

Table 51. Middle East & Africa 8-Bit Microcontroller Sales by Application (2020-2025) & (K Units)

Table 52. Key Market Drivers & Growth Opportunities of 8-Bit Microcontroller

Table 53. Key Market Challenges & Risks of 8-Bit Microcontroller

Table 54. Key Industry Trends of 8-Bit Microcontroller

Table 55. 8-Bit Microcontroller Raw Material

Table 56. Key Suppliers of Raw Materials

Table 57. 8-Bit Microcontroller Distributors List

Table 58. 8-Bit Microcontroller Customer List

Table 59. Global 8-Bit Microcontroller Sales Forecast by Region (2026-2031) & (K Units)

Table 60. Global 8-Bit Microcontroller Revenue Forecast by Region (2026-2031) & (\$ millions)

Table 61. Americas 8-Bit Microcontroller Sales Forecast by Country (2026-2031) & (K Units)

Table 62. Americas 8-Bit Microcontroller Annual Revenue Forecast by Country (2026-2031) & (\$ millions)

Table 63. APAC 8-Bit Microcontroller Sales Forecast by Region (2026-2031) & (K Units)

Table 64. APAC 8-Bit Microcontroller Annual Revenue Forecast by Region (2026-2031) & (\$ millions)

Table 65. Europe 8-Bit Microcontroller Sales Forecast by Country (2026-2031) & (K Units)

Table 66. Europe 8-Bit Microcontroller Revenue Forecast by Country (2026-2031) & (\$ millions)

Table 67. Middle East & Africa 8-Bit Microcontroller Sales Forecast by Country (2026-2031) & (K Units)

Table 68. Middle East & Africa 8-Bit Microcontroller Revenue Forecast by Country (2026-2031) & (\$ millions)

Table 69. Global 8-Bit Microcontroller Sales Forecast by Type (2026-2031) & (K Units)

Table 70. Global 8-Bit Microcontroller Revenue Forecast by Type (2026-2031) & (\$ millions)

Table 71. Global 8-Bit Microcontroller Sales Forecast by Application (2026-2031) & (K Units)

Table 72. Global 8-Bit Microcontroller Revenue Forecast by Application (2026-2031) & (\$ millions)

Table 73. Microchip Basic Information, 8-Bit Microcontroller Manufacturing Base, Sales Area and Its Competitors

Table 74. Microchip 8-Bit Microcontroller Product Portfolios and Specifications

Table 75. Microchip 8-Bit Microcontroller Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 76. Microchip Main Business

Table 77. Microchip Latest Developments

Table 78. Renesas Electronics Basic Information, 8-Bit Microcontroller Manufacturing Base, Sales Area and Its Competitors

Table 79. Renesas Electronics 8-Bit Microcontroller Product Portfolios and Specifications

- Table 80. Renesas Electronics 8-Bit Microcontroller Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 81. Renesas Electronics Main Business
- Table 82. Renesas Electronics Latest Developments
- Table 83. STMicroelectronics Basic Information, 8-Bit Microcontroller Manufacturing Base, Sales Area and Its Competitors
- Table 84. STMicroelectronics 8-Bit Microcontroller Product Portfolios and Specifications
- Table 85. STMicroelectronics 8-Bit Microcontroller Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 86. STMicroelectronics Main Business
- Table 87. STMicroelectronics Latest Developments
- Table 88. Analog Devices Basic Information, 8-Bit Microcontroller Manufacturing Base, Sales Area and Its Competitors
- Table 89. Analog Devices 8-Bit Microcontroller Product Portfolios and Specifications
- Table 90. Analog Devices 8-Bit Microcontroller Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 91. Analog Devices Main Business
- Table 92. Analog Devices Latest Developments
- Table 93. NXP Basic Information, 8-Bit Microcontroller Manufacturing Base, Sales Area and Its Competitors
- Table 94. NXP 8-Bit Microcontroller Product Portfolios and Specifications
- Table 95. NXP 8-Bit Microcontroller Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 96. NXP Main Business
- Table 97. NXP Latest Developments
- Table 98. Texas Instruments Basic Information, 8-Bit Microcontroller Manufacturing Base, Sales Area and Its Competitors
- Table 99. Texas Instruments 8-Bit Microcontroller Product Portfolios and Specifications
- Table 100. Texas Instruments 8-Bit Microcontroller Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 101. Texas Instruments Main Business
- Table 102. Texas Instruments Latest Developments
- Table 103. Toshiba Basic Information, 8-Bit Microcontroller Manufacturing Base, Sales Area and Its Competitors
- Table 104. Toshiba 8-Bit Microcontroller Product Portfolios and Specifications
- Table 105. Toshiba 8-Bit Microcontroller Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 106. Toshiba Main Business
- Table 107. Toshiba Latest Developments

Table 108. Maxim Integrated Basic Information, 8-Bit Microcontroller Manufacturing Base, Sales Area and Its Competitors

Table 109. Maxim Integrated 8-Bit Microcontroller Product Portfolios and Specifications

Table 110. Maxim Integrated 8-Bit Microcontroller Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 111. Maxim Integrated Main Business

Table 112. Maxim Integrated Latest Developments

Table 113. Infineon Technologies Basic Information, 8-Bit Microcontroller Manufacturing Base, Sales Area and Its Competitors

Table 114. Infineon Technologies 8-Bit Microcontroller Product Portfolios and Specifications

Table 115. Infineon Technologies 8-Bit Microcontroller Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 116. Infineon Technologies Main Business

Table 117. Infineon Technologies Latest Developments

Table 118. Zilog Inc Basic Information, 8-Bit Microcontroller Manufacturing Base, Sales Area and Its Competitors

Table 119. Zilog Inc 8-Bit Microcontroller Product Portfolios and Specifications

Table 120. Zilog Inc 8-Bit Microcontroller Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 121. Zilog Inc Main Business

Table 122. Zilog Inc Latest Developments

Table 123. Cypress Semiconductor Basic Information, 8-Bit Microcontroller Manufacturing Base, Sales Area and Its Competitors

Table 124. Cypress Semiconductor 8-Bit Microcontroller Product Portfolios and Specifications

Table 125. Cypress Semiconductor 8-Bit Microcontroller Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 126. Cypress Semiconductor Main Business

Table 127. Cypress Semiconductor Latest Developments

## List Of Figures

### LIST OF FIGURES

- Figure 1. Picture of 8-Bit Microcontroller
- Figure 2. 8-Bit Microcontroller Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global 8-Bit Microcontroller Sales Growth Rate 2020-2031 (K Units)
- Figure 7. Global 8-Bit Microcontroller Revenue Growth Rate 2020-2031 (\$ millions)
- Figure 8. 8-Bit Microcontroller Sales by Geographic Region (2020, 2024 & 2031) & (\$ millions)
- Figure 9. 8-Bit Microcontroller Sales Market Share by Country/Region (2024)
- Figure 10. 8-Bit Microcontroller Sales Market Share by Country/Region (2020, 2024 & 2031)
- Figure 11. Product Picture of Less Than 80 Pins
- Figure 12. Product Picture of 80-120 Pins
- Figure 13. Product Picture of More Than 120 Pins
- Figure 14. Global 8-Bit Microcontroller Sales Market Share by Type in 2025
- Figure 15. Global 8-Bit Microcontroller Revenue Market Share by Type (2020-2025)
- Figure 16. 8-Bit Microcontroller Consumed in Industrial
- Figure 17. Global 8-Bit Microcontroller Market: Industrial (2020-2025) & (K Units)
- Figure 18. 8-Bit Microcontroller Consumed in Automotive
- Figure 19. Global 8-Bit Microcontroller Market: Automotive (2020-2025) & (K Units)
- Figure 20. 8-Bit Microcontroller Consumed in Communications
- Figure 21. Global 8-Bit Microcontroller Market: Communications (2020-2025) & (K Units)
- Figure 22. 8-Bit Microcontroller Consumed in Medical
- Figure 23. Global 8-Bit Microcontroller Market: Medical (2020-2025) & (K Units)
- Figure 24. 8-Bit Microcontroller Consumed in Consumer
- Figure 25. Global 8-Bit Microcontroller Market: Consumer (2020-2025) & (K Units)
- Figure 26. 8-Bit Microcontroller Consumed in Others
- Figure 27. Global 8-Bit Microcontroller Market: Others (2020-2025) & (K Units)
- Figure 28. Global 8-Bit Microcontroller Sale Market Share by Application (2024)
- Figure 29. Global 8-Bit Microcontroller Revenue Market Share by Application in 2025
- Figure 30. 8-Bit Microcontroller Sales by Company in 2025 (K Units)
- Figure 31. Global 8-Bit Microcontroller Sales Market Share by Company in 2025
- Figure 32. 8-Bit Microcontroller Revenue by Company in 2025 (\$ millions)

Figure 33. Global 8-Bit Microcontroller Revenue Market Share by Company in 2025

Figure 34. Global 8-Bit Microcontroller Sales Market Share by Geographic Region (2020-2025)

Figure 35. Global 8-Bit Microcontroller Revenue Market Share by Geographic Region in 2025

Figure 36. Americas 8-Bit Microcontroller Sales 2020-2025 (K Units)

Figure 37. Americas 8-Bit Microcontroller Revenue 2020-2025 (\$ millions)

Figure 38. APAC 8-Bit Microcontroller Sales 2020-2025 (K Units)

Figure 39. APAC 8-Bit Microcontroller Revenue 2020-2025 (\$ millions)

Figure 40. Europe 8-Bit Microcontroller Sales 2020-2025 (K Units)

Figure 41. Europe 8-Bit Microcontroller Revenue 2020-2025 (\$ millions)

Figure 42. Middle East & Africa 8-Bit Microcontroller Sales 2020-2025 (K Units)

Figure 43. Middle East & Africa 8-Bit Microcontroller Revenue 2020-2025 (\$ millions)

Figure 44. Americas 8-Bit Microcontroller Sales Market Share by Country in 2025

Figure 45. Americas 8-Bit Microcontroller Revenue Market Share by Country (2020-2025)

Figure 46. Americas 8-Bit Microcontroller Sales Market Share by Type (2020-2025)

Figure 47. Americas 8-Bit Microcontroller Sales Market Share by Application (2020-2025)

Figure 48. United States 8-Bit Microcontroller Revenue Growth 2020-2025 (\$ millions)

Figure 49. Canada 8-Bit Microcontroller Revenue Growth 2020-2025 (\$ millions)

Figure 50. Mexico 8-Bit Microcontroller Revenue Growth 2020-2025 (\$ millions)

Figure 51. Brazil 8-Bit Microcontroller Revenue Growth 2020-2025 (\$ millions)

Figure 52. APAC 8-Bit Microcontroller Sales Market Share by Region in 2025

Figure 53. APAC 8-Bit Microcontroller Revenue Market Share by Region (2020-2025)

Figure 54. APAC 8-Bit Microcontroller Sales Market Share by Type (2020-2025)

Figure 55. APAC 8-Bit Microcontroller Sales Market Share by Application (2020-2025)

Figure 56. China 8-Bit Microcontroller Revenue Growth 2020-2025 (\$ millions)

Figure 57. Japan 8-Bit Microcontroller Revenue Growth 2020-2025 (\$ millions)

Figure 58. South Korea 8-Bit Microcontroller Revenue Growth 2020-2025 (\$ millions)

Figure 59. Southeast Asia 8-Bit Microcontroller Revenue Growth 2020-2025 (\$ millions)

Figure 60. India 8-Bit Microcontroller Revenue Growth 2020-2025 (\$ millions)

Figure 61. Australia 8-Bit Microcontroller Revenue Growth 2020-2025 (\$ millions)

Figure 62. China Taiwan 8-Bit Microcontroller Revenue Growth 2020-2025 (\$ millions)

Figure 63. Europe 8-Bit Microcontroller Sales Market Share by Country in 2025

Figure 64. Europe 8-Bit Microcontroller Revenue Market Share by Country (2020-2025)

Figure 65. Europe 8-Bit Microcontroller Sales Market Share by Type (2020-2025)

Figure 66. Europe 8-Bit Microcontroller Sales Market Share by Application (2020-2025)

Figure 67. Germany 8-Bit Microcontroller Revenue Growth 2020-2025 (\$ millions)

- Figure 68. France 8-Bit Microcontroller Revenue Growth 2020-2025 (\$ millions)
- Figure 69. UK 8-Bit Microcontroller Revenue Growth 2020-2025 (\$ millions)
- Figure 70. Italy 8-Bit Microcontroller Revenue Growth 2020-2025 (\$ millions)
- Figure 71. Russia 8-Bit Microcontroller Revenue Growth 2020-2025 (\$ millions)
- Figure 72. Middle East & Africa 8-Bit Microcontroller Sales Market Share by Country (2020-2025)
- Figure 73. Middle East & Africa 8-Bit Microcontroller Sales Market Share by Type (2020-2025)
- Figure 74. Middle East & Africa 8-Bit Microcontroller Sales Market Share by Application (2020-2025)
- Figure 75. Egypt 8-Bit Microcontroller Revenue Growth 2020-2025 (\$ millions)
- Figure 76. South Africa 8-Bit Microcontroller Revenue Growth 2020-2025 (\$ millions)
- Figure 77. Israel 8-Bit Microcontroller Revenue Growth 2020-2025 (\$ millions)
- Figure 78. Turkey 8-Bit Microcontroller Revenue Growth 2020-2025 (\$ millions)
- Figure 79. GCC Countries 8-Bit Microcontroller Revenue Growth 2020-2025 (\$ millions)
- Figure 80. Manufacturing Cost Structure Analysis of 8-Bit Microcontroller in 2025
- Figure 81. Manufacturing Process Analysis of 8-Bit Microcontroller
- Figure 82. Industry Chain Structure of 8-Bit Microcontroller
- Figure 83. Channels of Distribution
- Figure 84. Global 8-Bit Microcontroller Sales Market Forecast by Region (2026-2031)
- Figure 85. Global 8-Bit Microcontroller Revenue Market Share Forecast by Region (2026-2031)
- Figure 86. Global 8-Bit Microcontroller Sales Market Share Forecast by Type (2026-2031)
- Figure 87. Global 8-Bit Microcontroller Revenue Market Share Forecast by Type (2026-2031)
- Figure 88. Global 8-Bit Microcontroller Sales Market Share Forecast by Application (2026-2031)
- Figure 89. Global 8-Bit Microcontroller Revenue Market Share Forecast by Application (2026-2031)

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