

Global 8-bit Microcontroller Market Size study & Forecast, by End-user Industry (Aerospace and Defense, Consumer Electronics and Home Appliances, Automotive, Industrial, Healthcare, and Data Processing and Communication) and Regional Analysis, 2022-2029

<https://marketpublishers.com/r/G37D8D8DCF5BEN.html>

Date: October 2022

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: G37D8D8DCF5BEN

Abstracts

Global 8-bit microcontroller Market is valued approximately USD XXX billion in 2021 and is anticipated to grow with a healthy growth rate of more than 4.7% over the forecast period 2022-2029. The 8-bit microcontroller has an 8-bit central processing unit (CPU) and several high-performance, cutting-edge peripherals for computing, including memory, controllers, interfaces, and external hardware. The reduction of power consumption and enhanced computer speed, it is extensively used in word processing, gaming applications, music creation, spreadsheets, and task management. The market is expected to grow owing to the significant factors such as growing awareness regarding smart energy management and rising demand from the medical sector across.

Statista projects that during the next few years, Australia's Energy Management business will continually generate 98 million US dollars (+67.05%) more income. According to this projection, in 2026, revenue will have climbed for nine years in a row, reaching 244.13 million dollars. Significantly, the Energy Management sector's income has been rising steadily over the previous few years. Industrial automation is yet another sector that helps the growth of the market in this field. Mitsubishi Electric & Electronics USA Inc. has launched CAN microcontroller families in the North American market that range in size from 8 to 32 bits and are all focused on automotive industry applications. However, intense competition from 16-bit and 32-bit Microcontroller

Systems stifles market growth throughout the forecast period of 2022-2029.

The key regions considered for the Global 8-bit Microcontroller Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. North America holds dominating position in the market owing to high demand for premium equipment across a wide range of key end-user application. However, Asia Pacific is projected to be the fastest growing due to proliferation of start-up business ventures in developing economies of the region.

Major market player included in this report are:

Cypress Semiconductor Corporation

Microchip Technology Inc.

Infineon Technologies AG

Renesas Electronics Corporation

STMicroelectronics N.V.

NXP Semiconductors N.V.

Panasonic Corporation

Silicon Laboratories Inc.

Holtek Semiconductor Inc.

IXYS Corporation

Recent Developments in the Market:

A social distance-based wristwatch based on Ultra-Wideband (UWB) technology was created by Renesas Electronics Corporation in partnership with ALTRAN, an engineering and R&D service provider (A Capgemini Subsidiary), in November 2020. The watch has a Renesas Synergy S128 MCU coupled with HMI capacitive touch and licenced secure range UWB technology.

In April 2022, Microchip announced the availability of five new 8-bit PIC and AVR microcontroller (MCU) models. The analogue peripherals on the MCUs have been designed to be extraordinarily adaptable without requiring modifications to the printed circuit board, and they provide tremendous processing power, simple communication with other chips, and a variety of analogue peripherals (PCB).

Global 8-bit Microcontroller Market Report Scope:

Historical Data 2019-2020-2021

Base Year for Estimation 2021

Forecast period 2022-2029

Report Coverage Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered End-user Industry, Region

Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World

Customization Scope Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By End-user Industry:

- Aerospace and Defense
- Consumer Electronics and Home Appliances
- Automotive
- Industrial
- Healthcare
- Data Processing and Communication
- Other End-user Industries

By Region:

- North America
 - U.S.
 - Canada
- Europe
 - UK
 - Germany
 - France
 - Spain
 - Italy
- ROE
- Asia Pacific
 - China
 - India
 - Japan
 - Australia

South Korea
RoAPAC
Latin America
Brazil
Mexico
Rest of the World

Contents

CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2019-2029 (USD Billion)
 - 1.2.1. 8 - bit Microcontroller Market, by Region, 2019-2029 (USD Billion)
 - 1.2.2. 8 - bit Microcontroller Market, by End-user Industry, 2019-2029 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

CHAPTER 2. GLOBAL 8 - BIT MICROCONTROLLER MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
 - 2.2.1. Scope of the Study
 - 2.2.2. Industry Evolution
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

CHAPTER 3. GLOBAL 8 - BIT MICROCONTROLLER MARKET DYNAMICS

- 3.1. 8 - bit Microcontroller Market Impact Analysis (2019-2029)
 - 3.1.1. Market Drivers
 - 3.1.1.1. Growing awareness regarding smart energy management
 - 3.1.1.2. Rising demand from the medical sector across
 - 3.1.2. Market Challenges
 - 3.1.2.1. Intense Competition from 16-bit and 32-bit Microcontroller Systems
 - 3.1.3. Market Opportunities
 - 3.1.3.1. Increased demand for Internet of Things (IoT) MCUs
 - 3.1.3.2. Increasing competition has led to the reduced prices of the product

CHAPTER 4. GLOBAL 8 - BIT MICROCONTROLLER MARKET INDUSTRY ANALYSIS

- 4.1. Porter's 5 Force Model
 - 4.1.1. Bargaining Power of Suppliers

- 4.1.2. Bargaining Power of Buyers
- 4.1.3. Threat of New Entrants
- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry
- 4.2. Futuristic Approach to Porter's 5 Force Model (2019-2029)
- 4.3. PEST Analysis
 - 4.3.1. Political
 - 4.3.2. Economical
 - 4.3.3. Social
 - 4.3.4. Technological
- 4.4. Investment Adoption Model
- 4.5. Analyst Recommendation & Conclusion
- 4.6. Top investment opportunity
- 4.7. Top winning strategies

CHAPTER 5. RISK ASSESSMENT: COVID-19 IMPACT

- 5.1. Assessment of the overall impact of COVID-19 on the industry
- 5.2. Pre COVID-19 and post COVID-19 Market scenario

CHAPTER 6. GLOBAL 8 - BIT MICROCONTROLLER MARKET, BY END-USER INDUSTRY

- 6.1. Market Snapshot
- 6.2. Global 8 - bit Microcontroller Market by End-user Industry, Performance - Potential Analysis
- 6.3. Global 8 - bit Microcontroller Market Estimates & Forecasts by End-user Industry 2019-2029 (USD Billion)
- 6.4. 8 - bit Microcontroller Market, Sub Segment Analysis
 - 6.4.1. Aerospace and Defense
 - 6.4.2. Consumer Electronics and Home Appliances
 - 6.4.3. Automotive
 - 6.4.4. Industrial
 - 6.4.5. Healthcare
 - 6.4.6. Data Processing and Communication
 - 6.4.7. Other End-user Industries

CHAPTER 7. GLOBAL 8 - BIT MICROCONTROLLER MARKET, REGIONAL ANALYSIS

- 7.1. 8 - bit Microcontroller Market, Regional Market Snapshot
- 7.2. North America 8 - bit Microcontroller Market
 - 7.2.1. U.S. 8 - bit Microcontroller Market
 - 7.2.1.1. End-user Industry breakdown estimates & forecasts, 2019-2029
 - 7.2.2. Canada 8 - bit Microcontroller Market
- 7.3. Europe 8 - bit Microcontroller Market Snapshot
 - 7.3.1. U.K. 8 - bit Microcontroller Market
 - 7.3.2. Germany 8 - bit Microcontroller Market
 - 7.3.3. France 8 - bit Microcontroller Market
 - 7.3.4. Spain 8 - bit Microcontroller Market
 - 7.3.5. Italy 8 - bit Microcontroller Market
 - 7.3.6. Rest of Europe 8 - bit Microcontroller Market
- 7.4. Asia-Pacific 8 - bit Microcontroller Market Snapshot
 - 7.4.1. China 8 - bit Microcontroller Market
 - 7.4.2. India 8 - bit Microcontroller Market
 - 7.4.3. Japan 8 - bit Microcontroller Market
 - 7.4.4. Australia 8 - bit Microcontroller Market
 - 7.4.5. South Korea 8 - bit Microcontroller Market
 - 7.4.6. Rest of Asia Pacific 8 - bit Microcontroller Market
- 7.5. Latin America 8 - bit Microcontroller Market Snapshot
 - 7.5.1. Brazil 8 - bit Microcontroller Market
 - 7.5.2. Mexico 8 - bit Microcontroller Market
- 7.6. Rest of The World 8 - bit Microcontroller Market

CHAPTER 8. COMPETITIVE INTELLIGENCE

- 8.1. Top Market Strategies
- 8.2. Company Profiles
 - 8.2.1. Cypress Semiconductor Corporation
 - 8.2.1.1. Key Information
 - 8.2.1.2. Overview
 - 8.2.1.3. Financial (Subject to Data Availability)
 - 8.2.1.4. Product Summary
 - 8.2.1.5. Recent Developments
 - 8.2.2. Microchip Technology Inc.
 - 8.2.3. Infineon Technologies AG
 - 8.2.4. Renesas Electronics Corporation
 - 8.2.5. STMicroelectronics N.V.

8.2.6. NXP Semiconductors N.V.

8.2.7. Panasonic Corporation

8.2.8. Silicon Laboratories Inc.

8.2.9. Holtek Semiconductor Inc.

8.2.10. IXYS Corporation

CHAPTER 9. RESEARCH PROCESS

9.1. Research Process

9.1.1. Data Mining

9.1.2. Analysis

9.1.3. Market Estimation

9.1.4. Validation

9.1.5. Publishing

9.2. Research Attributes

9.3. Research Assumption

List Of Tables

LIST OF TABLES

- TABLE 1. Global 8 - bit Microcontroller Market, report scope
- TABLE 2. Global 8 - bit Microcontroller Market estimates & forecasts by Region 2019-2029 (USD Billion)
- TABLE 3. Global 8 - bit Microcontroller Market estimates & forecasts by End-user Industry 2019-2029 (USD Billion)
- TABLE 4. Global 8 - bit Microcontroller Market by segment, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 5. Global 8 - bit Microcontroller Market by region, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 6. Global 8 - bit Microcontroller Market by segment, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 7. Global 8 - bit Microcontroller Market by region, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 8. Global 8 - bit Microcontroller Market by segment, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 9. Global 8 - bit Microcontroller Market by region, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 10. Global 8 - bit Microcontroller Market by segment, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 11. Global 8 - bit Microcontroller Market by region, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 12. Global 8 - bit Microcontroller Market by segment, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 13. Global 8 - bit Microcontroller Market by region, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 14. U.S. 8 - bit Microcontroller Market estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 15. U.S. 8 - bit Microcontroller Market estimates & forecasts by segment 2019-2029 (USD Billion)
- TABLE 16. U.S. 8 - bit Microcontroller Market estimates & forecasts by segment 2019-2029 (USD Billion)
- TABLE 17. Canada 8 - bit Microcontroller Market estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 18. Canada 8 - bit Microcontroller Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 19. Canada 8 - bit Microcontroller Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 20. UK 8 - bit Microcontroller Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 21. UK 8 - bit Microcontroller Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 22. UK 8 - bit Microcontroller Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 23. Germany 8 - bit Microcontroller Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 24. Germany 8 - bit Microcontroller Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 25. Germany 8 - bit Microcontroller Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 26. France 8 - bit Microcontroller Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 27. France 8 - bit Microcontroller Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 28. France 8 - bit Microcontroller Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 29. Italy 8 - bit Microcontroller Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 30. Italy 8 - bit Microcontroller Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 31. Italy 8 - bit Microcontroller Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 32. Spain 8 - bit Microcontroller Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 33. Spain 8 - bit Microcontroller Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 34. Spain 8 - bit Microcontroller Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 35. RoE 8 - bit Microcontroller Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 36. RoE 8 - bit Microcontroller Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 37. RoE 8 - bit Microcontroller Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 38. China 8 - bit Microcontroller Market estimates & forecasts, 2019-2029 (USD Billion)

Billion)

TABLE 39. China 8 - bit Microcontroller Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 40. China 8 - bit Microcontroller Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 41. India 8 - bit Microcontroller Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 42. India 8 - bit Microcontroller Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 43. India 8 - bit Microcontroller Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 44. Japan 8 - bit Microcontroller Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 45. Japan 8 - bit Microcontroller Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 46. Japan 8 - bit Microcontroller Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 47. South Korea 8 - bit Microcontroller Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 48. South Korea 8 - bit Microcontroller Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 49. South Korea 8 - bit Microcontroller Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 50. Australia 8 - bit Microcontroller Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 51. Australia 8 - bit Microcontroller Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 52. Australia 8 - bit Microcontroller Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 53. RoAPAC 8 - bit Microcontroller Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 54. RoAPAC 8 - bit Microcontroller Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 55. RoAPAC 8 - bit Microcontroller Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 56. Brazil 8 - bit Microcontroller Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 57. Brazil 8 - bit Microcontroller Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 58. Brazil 8 - bit Microcontroller Market estimates & forecasts by segment
2019-2029 (USD Billion)

TABLE 59. Mexico 8 - bit Microcontroller Market estimates & forecasts, 2019-2029
(USD Billion)

TABLE 60. Mexico 8 - bit Microcontroller Market estimates & forecasts by segment
2019-2029 (USD Billion)

TABLE 61. Mexico 8 - bit Microcontroller Market estimates & forecasts by segment
2019-2029 (USD Billion)

TABLE 62. RoLA 8 - bit Microcontroller Market estimates & forecasts, 2019-2029 (USD
Billion)

TABLE 63. RoLA 8 - bit Microcontroller Market estimates & forecasts by segment
2019-2029 (USD Billion)

TABLE 64. RoLA 8 - bit Microcontroller Market estimates & forecasts by segment
2019-2029 (USD Billion)

TABLE 65. Row 8 - bit Microcontroller Market estimates & forecasts, 2019-2029 (USD
Billion)

TABLE 66. Row 8 - bit Microcontroller Market estimates & forecasts by segment
2019-2029 (USD Billion)

TABLE 67. Row 8 - bit Microcontroller Market estimates & forecasts by segment
2019-2029 (USD Billion)

TABLE 68. List of secondary sources, used in the study of global 8 - bit Microcontroller
Market

TABLE 69. List of primary sources, used in the study of global 8 - bit Microcontroller
Market

TABLE 70. Years considered for the study

TABLE 71. Exchange rates considered

List of tables and figures and dummy in nature, final lists may vary in the final
deliverable

List Of Figures

LIST OF FIGURES

- FIG 1. Global 8 - bit Microcontroller Market, research methodology
 - FIG 2. Global 8 - bit Microcontroller Market, Market estimation techniques
 - FIG 3. Global Market size estimates & forecast methods
 - FIG 4. Global 8 - bit Microcontroller Market, key trends 2021
 - FIG 5. Global 8 - bit Microcontroller Market, growth prospects 2022-2029
 - FIG 6. Global 8 - bit Microcontroller Market, porters 5 force model
 - FIG 7. Global 8 - bit Microcontroller Market, pest analysis
 - FIG 8. Global 8 - bit Microcontroller Market, value chain analysis
 - FIG 9. Global 8 - bit Microcontroller Market by segment, 2019 & 2029 (USD Billion)
 - FIG 10. Global 8 - bit Microcontroller Market by segment, 2019 & 2029 (USD Billion)
 - FIG 11. Global 8 - bit Microcontroller Market by segment, 2019 & 2029 (USD Billion)
 - FIG 12. Global 8 - bit Microcontroller Market by segment, 2019 & 2029 (USD Billion)
 - FIG 13. Global 8 - bit Microcontroller Market by segment, 2019 & 2029 (USD Billion)
 - FIG 14. Global 8 - bit Microcontroller Market, regional snapshot 2019 & 2029
 - FIG 15. North America 8 - bit Microcontroller Market 2019 & 2029 (USD Billion)
 - FIG 16. Europe 8 - bit Microcontroller Market 2019 & 2029 (USD Billion)
 - FIG 17. Asia pacific 8 - bit Microcontroller Market 2019 & 2029 (USD Billion)
 - FIG 18. Latin America 8 - bit Microcontroller Market 2019 & 2029 (USD Billion)
 - FIG 19. Global 8 - bit Microcontroller Market, company Market share analysis (2021)
- List of tables and figures and dummy in nature, final lists may vary in the final deliverable

I would like to order

Product name: Global 8-bit Microcontroller Market Size study & Forecast, by End-user Industry (Aerospace and Defense, Consumer Electronics and Home Appliances, Automotive, Industrial, Healthcare, and Data Processing and Communication) and Regional Analysis, 2022-2029

Product link: <https://marketpublishers.com/r/G37D8D8DCF5BEN.html>

Price: US\$ 4,950.00 (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/G37D8D8DCF5BEN.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