

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

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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

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