

Global Ultra-low-power Microcontroller Market Size study, By Peripheral Device (Analog Devices, Digital Devices), By Packaging Type (8-bit, 16-bit, 32-bit), By End-Use Application (Aerospace & Defense, Automotive, Servers and Data Centers, Consumer Electronics, Telecommunications, Healthcare, Media and Entertainment, Manufacturing), and Regional Forecasts 2022-2028

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Abstracts

Global Ultra-low-power Microcontroller Market is valued approximately USD XX billion in 2021 and is anticipated to grow with a healthy growth rate of more than XX % over the forecast period 2022-2028.

Ultra-low-power microcontroller is a sole incorporated circuit that encompasses programmable input/output peripheral, processors code, and memory which facilitates edge nodes to process localized data. It is a semiconductor segment type that is designed to attain the best possible balance of output, performance, security, and energy consumption of the applicable products. The growing need for energy efficiency in consumer electronics, rising demand for smart home and building management applications, coupled with the increase of connected devices in IoT networks are the primary factors that are surging the market demand across the globe. For instance, according to the Indian Brand Equity Foundation, the Indian appliances, and consumer electronics market was accounted for USD 10.93 billion in 2019 and the amount is projected to increase and grow to USD 21.18 billion by 2025. Thereby, the growth of the consumer electronics industry is propelling the ultra-low-power microcontroller, which, in turn, impels market growth. However, lower adoption of ultra-low-power microcontrollers

compared to high- and low-power microcontrollers and production complexities and unsuitability for power-critical applications impede the growth of the market over the forecast period of 2022-2028. Also, government policies and investments for IoT and semiconductors and green industrialization in developing economies are anticipated to act as a catalyzing factor for the market demand during the forecast period.

The key regions considered for the global Ultra-low-power Microcontroller market study include Asia Pacific, North America, Europe, Latin America, and the Rest of the World. The Asia Pacific is the leading region across the world in terms of market share owing to the presence of leading manufacturers of electronic devices, such as Hitachi and Fujitsu Ltd., tied with the commercialization of IoT and its convergence across various end-use industries. Whereas, Asia-Pacific is also anticipated to exhibit the highest CAGR over the forecast period 2022-2028. Factors such as the increasing investments in R&D activities, and the growth of the developing economies such as South Korea, India, Japan, and China would create lucrative growth prospects for the Ultra-low-power Microcontroller market across the Asia-Pacific region.

Major market players included in this report are:

Texas Instruments Inc.
Microchip Technology Inc.
Renesas Electronic Corporation
Infineon Technologies AG
Panasonic Corporation
Silicon Laboratories Inc.
ON Semiconductor Corporation
Intel Corporation
ROHM Co., Ltd.
Toshiba Corporation

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 eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available 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 Peripheral Device

Analog Devices

Digital Devices

By Packaging Type

8-bit

16-bit

32-bit

By End-Use Application

Aerospace & Defense

Automotive

Servers and Data Centers

Consumer Electronics

Telecommunications

Healthcare

Media and Entertainment

Manufacturing

Others

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

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019, 2020

Base year – 2021

Forecast period – 2022 to 2028

Target Audience of the Global Ultra-low-power Microcontroller Market in Market Study:

Key Consulting Companies & Advisors

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)

Third-party knowledge providers

Investment bankers

Investors

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