

Embedded Processor Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2022-2027

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Abstracts

The global embedded processor market size reached US\$ 17.5 Billion in 2021. Looking forward, IMARC Group expects the market to reach US\$ 26.3 Billion by 2027, exhibiting a growth rate (CAGR) of 7.2% during 2022-2027. Keeping in mind the uncertainties of COVID-19, we are continuously tracking and evaluating the direct as well as the indirect influence of the pandemic on different end use industries. These insights are included in the report as a major market contributor.

An embedded processor is a microprocessor that is designed into the system of a device to control and perform multiple mechanical and electrical functions simultaneously. They are compact in size, consume minimal energy, and require other external components like peripheral interfaces and integrated memory to perform their designated functions. They are widely used in telecommunication systems, household appliances and consumer electronics such as wireless phones, digital cell phones, and cable modems.

The growing consumer electronics industry represents as the key factor that is influencing the market growth. This, coupled with the increasing penetration rate of the internet, is also impelling the demand for embedded processors. Moreover, mechanical systems in automobiles are gradually being replaced by electronic systems and the automotive industry is now employing embedded systems for various automation processes like wiper, airbags and anti-lock brake controls. This trend is consequently influencing the sales of these processors globally. Apart from this, several industries are adopting the Internet of Things (IoT) to improve their existing systems, which is expected to create a positive impact on the market growth. Additionally, technological advancements have led to the development of ultra-low power microprocessors with

higher efficiency, integrated with Wi-Fi and internet capabilities, which is expected to create a positive outlook for the market further. Other factors contributing to the market growth include rapid urbanization, rising disposable incomes and increased focus on research and development (R&D) activities.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global embedded processor market report, along with forecasts at the global, regional and country level from 2022-2027. Our report has categorized the market based on type, number of bits and application.

Breakup by Type:

- Microprocessor
- Microcontroller
- Digital Signal Processor
- Embedded Field Programmable Gate Array (FPGA)
- Others

Breakup by Number of Bits:

- 16 Bit
- 32 Bit
- 64 Bit
- Others

Breakup by Application:

- Automotive/Transportation
- Industrial Automation
- Information and Communication Technology
- Healthcare
- Utilities
- Others

Breakup by Region:

- North America
- United States

Canada
Asia Pacific
China
Japan
India
South Korea
Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:

The report has also analysed the competitive landscape of the market with some of the key players being Analog Devices Inc., Broadcom Inc., Infineon Technologies AG, Intel Corporation, Microchip Technology Inc, NXP Semiconductors N.V., ON Semiconductor Corporation, Renesas Electronics Corporation, STMicroelectronics N.V. and Texas Instruments Incorporated.

Key Questions Answered in This Report:

How has the global embedded processor market performed so far and how will it perform in the coming years?
What has been the impact of COVID-19 on the global embedded processor market?
What are the key regional markets?
What is the breakup of the market based on the type?
What is the breakup of the market based on the number of bits?
What is the breakup of the market based on the application?
What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global embedded processor market and who are the key players?

What is the degree of competition in the industry?

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