

Embedded Processor Market Report by Type (Microprocessor, Microcontroller, Digital Signal Processor, Embedded Field Programmable Gate Array (FPGA), and Others), Number of Bits (16 Bit, 32 Bit, 64 Bit, and Others), Application (Automotive/Transportation, Industrial Automation, Information and Communication Technology, Healthcare, Utilities, and Others), and Region 2023-2028

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Abstracts

The global embedded processor market size reached US\$ 18.6 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 28.2 Billion by 2028, exhibiting a growth rate (CAGR) of 7.2% during 2022-2028.

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 2023-2028. 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

1. What was the size of the global embedded processor market in 2022?
2. What is the expected growth rate of the global embedded processor market during 2023-2028?
3. What has been the impact of COVID-19 on the global embedded processor market?
4. What are the key factors driving the global embedded processor market?
5. What is the breakup of the global embedded processor market based on the type?
6. What are the key regions in the global embedded processor market?
7. Who are the key players/companies in the global embedded processor market?

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