

Embedded Systems Market By Component (Hardware, Software), By Application (Automotive, Consumer Electronics, Industrial, Aerospace and Defense, Others): Global Opportunity Analysis and Industry Forecast, 2021-2031

Market Report | 2022-11-01 | 265 pages | Allied Market Research

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Report description:

The global embedded systems market was valued at \$89,120.0 million in 2021, and is projected to reach \$163,178.13 million by 2031, registering a CAGR of 6.5% from 2022 to 2031. Due to the rising need for advanced driver-assistance systems (ADAS) in electric cars (EVs) and hybrid vehicles, the global embedded systems market is anticipated to expand significantly during the forecast period. The growth of the global embedded systems market will also be fueled by an increase in the number of research and development projects pertaining to embedded systems.

Additionally, during the forecast period, the need for multicore central processing units (CPUs) in military applications is anticipated to drive market expansion. However, one of the major factors limiting the growth of the embedded system industry is the security of embedded systems. On the other hand, during the forecast period, the emergence of 5G and the development of embedded devices based on 5G are anticipated to offer attractive chances for the market's expansion.

The global embedded systems market is segmented on the basis of component, application, and region. Based on component, the market is bifurcated into hardware and software. By application, the market is segmented into automotive, consumer electronics, industrial, aerospace and defense, and others. The key players that operate in the market include Analog Devices, Cypress semiconductors, Infineon Technologies, Intel Corporation, Microchip Technology, NXP Semiconductors, Qualcomm Incorporated, Renesas Electronics, STMicroelectronics and Texas Instruments, Inc.

Key Benefits For Stakeholders

-This report provides a quantitative analysis of the market segments, current trends, estimations, and dynamics of the embedded systems market analysis from 2021 to 2031 to identify the prevailing embedded systems market opportunities.

-The market research is offered along with information related to key drivers, restraints, and opportunities.

-Porter's five forces analysis highlights the potency of buyers and suppliers to enable stakeholders make profit-oriented business decisions and strengthen their supplier-buyer network.

-In-depth analysis of the embedded systems market segmentation assists to determine the prevailing market opportunities.

-Major countries in each region are mapped according to their revenue contribution to the global market. -Market player positioning facilitates benchmarking and provides a clear understanding of the present position of the market

players.

-The report includes the analysis of the regional as well as global embedded systems market trends, key players, market segments, application areas, and market growth strategies.

Key Market Segments

By Application

- Automotive
- Consumer Electronics
- Industrial
- Aerospace and Defense
- Others
- By Component
- Hardware
- Hardware Type
- MPU
- MCU
- FPGA
- Memories
- Others
- Software
- By Region
- North America
- U.S.
- Canada
- Mexico
- Europe
- UK
- Germany
- France
- Rest of Europe
- Asia-Pacific
- China
- Japan
- India
- South Korea
- Rest of Asia-Pacific
- LAMEA
- Latin Amercia
- Middle East
- Africa
- Key Market Players
- Intel Corporation
- Renesas Electronics
- Texas Instruments Inc.
- NXP Semiconductors

- Qualcomm Incorporated
- Cypress Semiconductors
- Infineon Technologies
- Analog Devices Inc.
- Microchip Technology Inc.
- STMicroelectronics N.V.

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