

Global Embedded System Market Size study, By Product Type (Embedded Hardware, Embedded Software), By Application (Automotive, Consumer Electronics, Healthcare, Telecommunication, Others), and Regional Forecasts 2022-2028

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Abstracts

Global Embedded System Market is Global Embedded System Market valued at approximately USDXX million in 2021 and is anticipated to grow with a healthy growth rate of more than XX% over the forecast period 2022-2028. An embedded system is a form of a computer system that integrates computer memory, computer processor, and input or output peripheral devices. These systems are used to carry out performance such as temperature adjustment, driving, networking equipment, and assembly-line speed control, which is highly adopted by automotive, consumer electronics, healthcare, telecommunication, and many other end-users. Factors such as rising demand for wearable devices equipped with embedded systems, growing adoption of industrial automation and robotics, and increasing demand for advanced driver assistance systems (ADAS) in EV and hybrid vehicles are attributed to the global market growth. For instance, according to Statista, the total production of hybrid electric vehicles worldwide is recorded as 2.9 million vehicles in 2020. Also, the number is projected to grow and reach 5.4 million vehicles by the year 2025. Thereby, the rising production of the hybrid electric vehicle is positively influencing the market demand across the globe at a substantial rate. However, high chances of cyber threats and security breaches and high energy consumption of compact embedded systems impede the growth of the market over the forecast period of 2022-2028. Also, the emergence of 5G and the development of 5G-based embedded devices, and the growing adoption of embedded systems in smart homes are anticipated to act as catalyzing factors for the market demand during the forecast period.

The key regions considered for the global Embedded System Market study include Asia Pacific, North America, Europe, Latin America, and the Rest of the World. North America is the leading region across the world in terms of market share owing to the rising R&D investments for embedded system developments and growing penetration of industrial automation and robotics. Whereas, Asia-Pacific is anticipated to exhibit the highest CAGR over the forecast period 2022-2028. Factors such as the growing trend of smart homes, as well as surging demand for microprocessors and microcontrollers, would create lucrative growth prospects for the Embedded System Market across the Asia-Pacific region.

Major market players included in this report are:

Samsung Electronics Co. Ltd.
Intel Corporation
NXP Semiconductors
Texas Instruments Incorporated
Renesas Electronics Corporation
STMicroelectronics
Atmel Corporation
Qualcomm Inc.
Microchip Technology Inc.
Analog Devices, Inc.

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 Product Type

Embedded Hardware

Embedded Software

By Application

Automotive

Consumer Electronics

Healthcare

Telecommunication

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 Embedded System 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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