

Global Digital Signal Processor Market Size study & Forecast, by Core (Single-core, Multi-core), by End-user (Communication, Automotive, Consumer Electronics, Industrial, Aerospace and Defense, Healthcare), and Regional Analysis, 2022-2029

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Abstracts

The global Digital Signal Processor Market is valued at approximately USD XX billion in 2021 and is anticipated to grow with a healthy growth rate of more than XX % over the forecast period 2022-2029. Digital signal processors are specialized microprocessor chips that are designed and developed to perform mathematical functions such as additions, multiplications, subtractions, and divisions at high speeds while consuming little energy. Digital signal processors manipulate real-world signals such as audio, voice, video, temperature, and pressure so that the information they contain can be analyzed, displayed, or converted into a useful signal. The Digital Signal Processor market is expanding because of factors such as the rising adoption of connected devices and growing demand for IP and VoIP videos.

According to Statista in 2022, the number of connected devices in 2020 was around 9.7 billion. It includes IoT devices globally. By 2030, it is anticipated to reach around 29 billion connected devices globally. Whereas rising technological advancement and innovations and growth across wireless infrastructure create lucrative opportunities for the market. However, higher initial cost and complexity hampers the market growth throughout the forecast period of 2022-2029.

The key regions considered for the Global Digital Signal Processor Market study include Asia Pacific, North America, Europe, Latin America, and the Rest of the World. Asia Pacific dominated the market in terms of revenue, owing to the increasing demand for connected devices, increasing electronic manufacturing, and usage of digital signal

processors across the electronic industry. Whereas the Asia Pacific is expected to grow with the highest CAGR during the forecast period, owing to factors such as increasing demand for signal processors and investment towards smart devices

Major market players included in this report are:

Texas Instruments Inc.

Intel Corporation

Analog Devices Inc.

Infineon Technologies AG

NXP Semiconductors NV

Renesas Electronics Corp.

Xilinx Inc.

Broadcom Inc.

Toshiba Corp.

Samsung Electronics Co. Ltd.

Recent Developments in the Market:

In July 2021, Cirrus Logic announced its intention to acquire Lion Semiconductor in order to expand its mixed-signal business. The USD 335 million acquisition is expected to provide Cirrus Logic with a product portfolio and intellectual property for consumer and mobile applications, as well as provide an opportunity to enter new markets.

In February 2022, STMicroelectronics introduced the Intelligent Sensor Processing Unit (ISPU), which integrates a DSP capable of running AI algorithms and a MEMS sensor on the same silicon. Aside from reducing the size of system-in-package devices and power consumption by up to 80%, combining sensors and AI raises the possibility of electronic decision-making in the application Edge.

Global Digital Signal Processor Market Report Scope:

Historical Data 2019-2020-2021

Base Year for Estimation 2021

Forecast period 2022-2029

Report Coverage Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered Core, End-user, Region

Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World

Customization Scope Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

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 years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential 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 Core:

Single Core

Multi Core

By End-user Industry:

Communication

Automotive

Consumer Electronics

Industrial

Aerospace & Defense

Healthcare

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
RoLA
Rest of the World

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