

Digital Signal Processors Market 2017 Share, Trend, Segmentation - Global Forecast to 2021

A digital signal processor is a specialized microprocessor which processes the digital data by mathematical manipulation (performing functions like addition

PUNE, INDIA, February 7, 2017 /EINPresswire.com/ -- A digital signal processor is a specialized microprocessor which processes the digital data by mathematical manipulation (performing functions like addition, subtraction, multiplication, and division) to analyze the information contained in them. The parameters which can be manipulated range from temperature, pressure to voice and audio. Digital signal processor process data in real time, have high data throughput, ensures repeatable, desired and accurate performance and is reprogrammable by software. It is increasingly being used across industry verticals such as communication, military, and aerospace and has various consumer and industrial applications.

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It can also be utilized for audio signal processing, speech processing, seismology, and radar applications among others. Increased usage of digital signal processing in consumer electronics and growth of these processors in wireless infrastructure sector are some of the factors driving the market growth. However, few limitations such as high consumption of power, reduced frequency range for operations and need for analog to digital and digital to analog converters for these processors act as an impediment to the market growth. Europe, APAC regions will drive the digital signal processing market over the forecasted period.

Research Methodology

Firstly, the report provides a brief introduction of the market and deals with detailed research methodology for calculating market size and forecasts, secondary data sources used and the primary inputs which were taken for data validation. This section also outlines various segmentation which has been covered as part of the report.

Market Dynamics

Next, the section provides comprehensive market dynamics through an overview section along with growth drivers, challenges, and opportunities which exist in the current market. This section of the report also provides supplier and industry outlook as a whole; key industry, global and regional regulations which are determining the market growth and a brief technological aspect of [Digital Signal Processors](#). Complete industry analysis has also been covered by Porter's five forces model as a part of this report section.

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Segmentation

Thirdly, Digital Signal Processors Market has been segmented on the basis of type, industry and Geography as below:

By Type

- General purpose
- Specific Purpose
- Programmable

By Industry

- Manufacturing
- Communication and Technology
- Consumer Electronics
- Automotive
- Aerospace and Defense
- Healthcare
- Others

By Geography

- Americas
 - North America
 - South America
- Europe Middle East and Africa
 - Europe
 - Middle East and Africa
- Asia Pacific

Market Players

Finally, competitive intelligence section deals with major players in the market, their market shares, growth strategies, products, financials, and recent investments among others. Key industry players profiled as part of this section are Altera Corporation, Freescale Semiconductor Holdings Ltd, Fujitsu, Analog Devices, Marvell Technology Group, and Samsung among others.

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5.1. General purpose

5.2. Specific Purpose

5.3. Programmable

6. Digital Signal Processors Market Forecast by Industry (US\$ billion)

6.1. Manufacturing

6.2. Communication and Technology

6.3. Consumer Electronics

6.4. Automotive

6.5. Aerospace and Defense

6.6. Healthcare

6.7. Others

7. Digital Signal Processors Market Forecast by Geography (US\$ billion)

7.1. Americas

7.1.1. North America

7.1.2. South America

7.2. Europe Middle East and Africa

7.2.1. Europe

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