

Global Automotive Floating-point DSP Market Growth 2026-2032

<https://marketpublishers.com/r/G7B0D9DEEFE2EN.html>

Date: June 2026

Pages: 96

Price: US\$ 3,660.00 (Single User License)

ID: G7B0D9DEEFE2EN

Abstracts

The global Automotive Floating-point DSP market size is predicted to grow from US\$ 107 million in 2025 to US\$ 175 million in 2032; it is expected to grow at a CAGR of 7.4% from 2026 to 2032.

Automotive Floating-point Digital Signal Processor (DSP) is a high-performance processor specifically designed to handle floating-point arithmetic in real-time applications within automotive systems. These DSPs are essential for processing complex mathematical operations involving real numbers with fractional components, which is critical for advanced automotive applications such as audio processing, sensor fusion, advanced driver assistance systems (ADAS), and multimedia systems.

United States market for Automotive Floating-point DSP is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Automotive Floating-point DSP is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Automotive Floating-point DSP is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Automotive Floating-point DSP players cover TI, NXP Semiconductors, Analog Devices, STMicroelectronics, onsemi, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the "Automotive Floating-point DSP Industry Forecast" looks at past sales and reviews total world Automotive Floating-point

DSP sales in 2025, providing a comprehensive analysis by region and market sector of projected Automotive Floating-point DSP sales for 2026 through 2032. With Automotive Floating-point DSP sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Automotive Floating-point DSP industry.

This Insight Report provides a comprehensive analysis of the global Automotive Floating-point DSP landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Automotive Floating-point DSP portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Automotive Floating-point DSP market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Automotive Floating-point DSP and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Automotive Floating-point DSP.

This report presents a comprehensive overview, market shares, and growth opportunities of Automotive Floating-point DSP market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Single-core DSPs

Multi-core DSPs

Segmentation by Application:

Consumer Electronics

Automotive

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

TI

NXP Semiconductors

Analog Devices

STMicroelectronics

onsemi

Microchip Technology

Renesas Electronics

AKM

Qualcomm

Key Questions Addressed in this Report

What is the 10-year outlook for the global Automotive Floating-point DSP market?

What factors are driving Automotive Floating-point DSP market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Automotive Floating-point DSP market opportunities vary by end market size?

How does Automotive Floating-point DSP break out by Type, by Application?

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