

# Global Sigma-Delta Modulators Market Growth 2026-2032

<https://marketpublishers.com/r/G89E0FEEC784EN.html>

Date: May 2026

Pages: 121

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

ID: G89E0FEEC784EN

## Abstracts

The global Sigma-Delta Modulators market size is predicted to grow from US\$ 2343 million in 2025 to US\$ 4192 million in 2032; it is expected to grow at a CAGR of 8.7% from 2026 to 2032.

In 2025, global Sigma-Delta Modulator output reached about 6 billion unit and global capacity of around 9 billion unit. The average price is about USD 0.4 per unit, with gross margins near 33%. Sigma-Delta Modulators are high-resolution analog-to-digital (ADC) or digital-to-analog (DAC) conversion circuits that use oversampling and noise shaping techniques to convert analog signals into high-precision digital bitstreams (or vice versa), widely used in audio, precision measurement, and sensor interfaces. Their supply chain starts upstream with semiconductor raw materials (high-purity silicon wafers, photoresists, specialty gases) and EDA design tools/IP cores; midstream involves IC design companies (developing mixed-signal architectures and Sigma-Delta IP), foundries (CMOS wafer fabrication), and OSAT providers (assembly, packaging, and testing); downstream includes module/system integrators embedding these modulators into data converters, microcontrollers, audio codecs, and sensor interface ICs, which are then supplied to end-use industries such as consumer electronics, automotive electronics, industrial automation, medical devices, and telecommunications equipment.

United States market for Sigma-Delta Modulators 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 Sigma-Delta Modulators 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 Sigma-Delta Modulators is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Sigma-Delta Modulators players cover Analog Devices, Texas Instruments, STMicroelectronics, Infineon, NXP Semiconductors, 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 'Sigma-Delta Modulators Industry Forecast' looks at past sales and reviews total world Sigma-Delta Modulators sales in 2025, providing a comprehensive analysis by region and market sector of projected Sigma-Delta Modulators sales for 2026 through 2032. With Sigma-Delta Modulators sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Sigma-Delta Modulators industry.

This Insight Report provides a comprehensive analysis of the global Sigma-Delta Modulators 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 Sigma-Delta Modulators portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Sigma-Delta Modulators market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Sigma-Delta Modulators 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 Sigma-Delta Modulators.

This report presents a comprehensive overview, market shares, and growth opportunities of Sigma-Delta Modulators market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Analog-to-Digital Modulators

Digital-to-Analog Modulators

### Segmentation by Sampling Method:

Continuous Time Method

Discrete Time Method

### Segmentation by Application:

Consumer Electronics

Industrial Equipment

Medical Devices

Automotive

Telecommunications

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.

Analog Devices

Texas Instruments

STMicroelectronics

Infineon

NXP Semiconductors

Renesas Electronics

Microchip

ON Semiconductor

ROHM Semiconductor

Asahi Kasei Microdevices

Realtek Semiconductor

Nisshinbo Micro Devices

Qualcomm Technologies

## **Key Questions Addressed in this Report**

What is the 10-year outlook for the global Sigma-Delta Modulators market?

What factors are driving Sigma-Delta Modulators market growth, globally and by region?

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

How do Sigma-Delta Modulators market opportunities vary by end market size?

How does Sigma-Delta Modulators break out by Type, by Application?



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