

# Global Sigma-Delta Modulators Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Sigma-Delta Modulators market size is expected to reach \$ 4287 million by 2032, rising at a market growth of 8.2% CAGR during the forecast period (2026-2032).

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.

This report studies the global Sigma-Delta Modulators production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Sigma-Delta Modulators and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Sigma-Delta Modulators that

contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global Sigma-Delta Modulators total production and demand, 2021-2032, (K Units)

Global Sigma-Delta Modulators total production value, 2021-2032, (USD Million)

Global Sigma-Delta Modulators production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Sigma-Delta Modulators consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Sigma-Delta Modulators domestic production, consumption, key domestic manufacturers and share

Global Sigma-Delta Modulators production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Sigma-Delta Modulators production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Sigma-Delta Modulators production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Sigma-Delta Modulators market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Analog Devices, Texas Instruments, STMicroelectronics, Infineon, NXP Semiconductors, Renesas Electronics, Microchip, ON Semiconductor, ROHM Semiconductor, Asahi Kasei Microdevices, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Sigma-Delta Modulators market

### **Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

## Global Sigma-Delta Modulators Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

## Global Sigma-Delta Modulators Market, Segmentation by Type:

Analog-to-Digital Modulators

Digital-to-Analog Modulators

## Global Sigma-Delta Modulators Market, Segmentation by Sampling Method:

Continuous Time Method

Discrete Time Method

## Global Sigma-Delta Modulators Market, Segmentation by Application:

Consumer Electronics

Industrial Equipment

Medical Devices

Automotive

Telecommunications

Others

#### Companies Profiled:

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 Answered:**

1. How big is the global Sigma-Delta Modulators market?
2. What is the demand of the global Sigma-Delta Modulators market?
3. What is the year over year growth of the global Sigma-Delta Modulators market?
4. What is the production and production value of the global Sigma-Delta Modulators market?
5. Who are the key producers in the global Sigma-Delta Modulators market?
6. What are the growth factors driving the market demand?

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