

# Global Delta-Sigma ADC Supply, Demand and Key Producers, 2023-2029

<https://marketpublishers.com/r/GA9145A16FC9EN.html>

Date: July 2023

Pages: 102

Price: US\$ 4,480.00 (Single User License)

ID: GA9145A16FC9EN

## Abstracts

The global Delta-Sigma ADC market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

The delta-sigma analog-to-digital converter is a high-precision, high-speed analog-to-digital converter, which is often used in audio, communication, sensors and other fields. It is an analog-to-digital converter based on the principle of 'oversampling', which generates a high-speed band-pass noise signal by integrating the analog input signal with a high-frequency triangle wave, and then digitizes it to obtain higher resolution and Lower noise level. The delta-sigma analog-to-digital converter is usually composed of modules such as a preamplifier, a sample-and-hold circuit, an integrator, a comparator, and a digital filter. Among them, the preamplifier is used to amplify the analog input signal, the sample and hold circuit is used to sample and hold the analog input signal, the integrator is used to integrate the analog input signal with the high frequency triangular wave, and the comparator is used to compare the integrated signal with the reference The voltage is compared, and the digital filter is used to perform digital filtering on the comparison result to obtain the output digital code.

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

This report is a detailed and comprehensive analysis of the world market for Delta-Sigma ADC, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Delta-Sigma ADC that contribute to its increasing demand across many markets.

## Highlights and key features of the study

Global Delta-Sigma ADC total production and demand, 2018-2029, (K Units)

Global Delta-Sigma ADC total production value, 2018-2029, (USD Million)

Global Delta-Sigma ADC production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Delta-Sigma ADC consumption by region & country, CAGR, 2018-2029 & (K Units)

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

Global Delta-Sigma ADC production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global Delta-Sigma ADC production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Delta-Sigma ADC production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units)

This reports profiles key players in the global Delta-Sigma ADC 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 ams OSRAM, Analog Devices Inc., Asahi Kasei Microdevices, Cirrus Logic Inc., Microchip Technology, Nuvoton Technology Corporation, NXP USA Inc., Renesas Electronics America Inc and Texas Instruments, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Delta-Sigma ADC 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 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

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

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global Delta-Sigma ADC Market, Segmentation by Type

Single-Ended Input

Differential Input

#### Global Delta-Sigma ADC Market, Segmentation by Application

Electronic

Industrial

Medical

Automobile

Communication

Other

#### Companies Profiled:

ams OSRAM

Analog Devices Inc.

Asahi Kasei Microdevices

Cirrus Logic Inc.

Microchip Technology

Nuvoton Technology Corporation

NXP USA Inc.

Renesas Electronics America Inc

Texas Instruments

#### Key Questions Answered

1. How big is the global Delta-Sigma ADC market?
2. What is the demand of the global Delta-Sigma ADC market?
3. What is the year over year growth of the global Delta-Sigma ADC market?
4. What is the production and production value of the global Delta-Sigma ADC market?

5. Who are the key producers in the global Delta-Sigma ADC market?
6. What are the growth factors driving the market demand?

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