

# Global Differential Output DAC Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

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## Abstracts

According to our (Global Info Research) latest study, the global Differential Output DAC market size was valued at USD million in 2022 and is forecast to a readjusted size of USD million by 2029 with a CAGR of % during review period. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

A differential output digital-to-analog converter is a circuit that converts a digital signal into an analog signal, and its output is in the form of a differential signal. Different from single-ended output DACs, differential output DACs can provide higher signal quality and immunity to interference at the analog signal output. A differential output DAC usually consists of a digital input, a digital control, a reference voltage, a digital-to-analog conversion core, and an output circuit. The digital input is the digital signal to be converted, the digital control is used to control the amplitude, gain, offset and other parameters of the output analog signal, and the reference voltage provides the reference level required by the conversion core. The output circuit usually consists of a differential amplifier, two output ports, and a common-mode level generator. In the differential output digital-to-analog converter, the digital signal is first processed by digital control before entering the digital-to-analog conversion core. The R-2R impedance network or segmental approximate digital-to-analog conversion technology is usually used in the conversion core to convert the digital signal into an analog signal. The converted analog signal is differentially amplified by a differential amplifier, and a differential signal is output at an output port. The common mode level generator is used to generate a stable common mode level to ensure the stability and anti-interference ability of the differential output signal. Differential output digital-to-analog converters are widely used in audio, video, communication, industrial control and other fields. Due to its high signal quality and anti-interference ability, it is especially suitable for applications

with high speed, high precision and high requirements.

This report is a detailed and comprehensive analysis for global Differential Output DAC market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2023, are provided.

#### Key Features:

Global Differential Output DAC market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2018-2029

Global Differential Output DAC market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2018-2029

Global Differential Output DAC market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2018-2029

Global Differential Output DAC market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2018-2023

#### The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Differential Output DAC

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Differential Output DAC 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 Inc., Asahi Kasei Microdevices, Cirrus Logic Inc., Microchip Technology and NXP USA Inc., etc.

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

## Market Segmentation

Differential Output DAC market is split by Type and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

### Market segment by Type

Resistor String

R-2R

Segmented

Trigonometric Integral

Other

### Market segment by Application

Communication

Video

Audio

Other

### Major players covered

Analog Devices Inc.

Asahi Kasei Microdevices

Cirrus Logic Inc.

Microchip Technology

NXP USA Inc.

Renesas Electronics America Inc

Texas Instruments

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Differential Output DAC product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Differential Output DAC, with price, sales, revenue and global market share of Differential Output DAC from 2018 to 2023.

Chapter 3, the Differential Output DAC competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape

contrast.

Chapter 4, the Differential Output DAC breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2022. and Differential Output DAC market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends, Porters Five Forces analysis, and Influence of COVID-19 and Russia-Ukraine War.

Chapter 13, the key raw materials and key suppliers, and industry chain of Differential Output DAC.

Chapter 14 and 15, to describe Differential Output DAC sales channel, distributors, customers, research findings and conclusion.

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