

South & Central America Analog to Digital Converter Market Forecast to 2030 - Regional Analysis - by Type (Integrating Analog to Digital Converters, Delta-Sigma Analog to Digital Converters, Successive Approximation Analog to Digital Converters, Ramp Analog to Digital Converters, and Others), Resolution (8-Bit, 10-Bit, 12-Bit, 14-Bit, 16-Bit, and Others), and Application (Industrial, Consumer Electronics, Automotive, Healthcare, Telecommunication, and Others)

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Abstracts

The South & Central America analog to digital converter market was valued at US\$ 168.17 million in 2022 and is expected to reach US\$ 283.95 million by 2030; it is estimated to register a CAGR of 6.8% from 2022 to 2030.

Rising Developments in Automotive Industry Fuel South & Central America Analog to Digital Converter Market

The global automotive industry is experiencing a strong demand for smart devices in vehicles, leading automakers to prioritize innovation and development of autonomous cars. The advanced vehicles have garnered significant interest from consumers in major automotive manufacturing countries. Autonomous cars rely heavily on advanced technologies for their functionality, which can propel the demand for analog to digital converters. Technological advancements, consumer acceptance of self-driving vehicles, competitive pricing, and the ability of suppliers and original equipment manufacturers

(OEMs) to address safety concerns boost the adoption of fully autonomous cars. In response to these factors, the automotive and semiconductor industries are focused on enhancing technologies, optimizing raw material costs, and integrating robust technologies into vehicles. This drive for improvement ensures the future performance and success of driverless cars. The integration of advanced analog to digital converter technology in autonomous cars will play a crucial role in enabling accurate data acquisition and processing, facilitating the smooth functioning of various vehicle systems. As the automotive industry continues to advance toward smart and fully autonomous vehicles, the South & Central America analog to digital converter market is expected to witness lucrative opportunities in the coming years.

South & Central America Analog to Digital Converter Market Overview

SAM is undergoing rapid transformations in the 21st century, and thereby, with a significant youth population, the region has immense potential for growing trade with other countries of the world. Despite the recent economic crisis witnessed by countries such as Venezuela and Brazil, a positive outlook for the global business of South America is anticipated in the coming years. The recent technological developments have had a direct impact on the economy of Brazil and Argentina that has advanced to a large extent. A recent study says that due to the changing economic condition in South America, government enterprises, businesses, and consumers are keen to implement and incorporate the upcoming technologies. The cost savings advantage and higher work efficiencies achieved are cited as the significant attracting points in South America. There are plenty of reasons that support global companies to carry out their business operations in other South American countries as well. The ever-increasing demand for consumer electronic devices such as smartphones, tablets, smart TVs, gaming devices, AR/VR devices, and smart speakers is propelling the consumer electronics industry. ADCs are deployed in the most advanced electronics and applications. It helps convert the real-world input to a digital signal for processing and storage. The surging demand for audio ADCs in the manufacturing of consumer audio and home theater systems is increasing the South & Central America analog to digital converter market growth. In addition, the rising investments by global companies to set up their electronic manufacturing plants in the region drive regional market growth. For instance, in May 2021, the Brazilian government approved the LG Electronics plan to expand its Manaus plant by 12,000 square meters with an investment of US\$ 62 million. In addition, in November 2019, ABB Argentina invested US\$ 9 million to build a plant to manufacture medium-voltage products. This plant was built to meet the regional demand for switches, switchgear, and other products. Similarly, Samsung, LG Electronics, and other companies have their manufacturing plants across the region.

The increase in the number of electronic manufacturing plants across SAM contributes to the demand for ADC.

South & Central America Analog to Digital Converter Market Revenue and Forecast to 2030 (US\$ Million)

South & Central America Analog to Digital Converter Market Segmentation

The South & Central America analog to digital converter market is categorized into type, resolution, application, and country.

Based on type, the South & Central America analog to digital converter market is segmented into integrating ADC, delta- sigma ADC, ramp ADC, successive approximation ADC, and others. The others segment held the largest market share in 2022.

In terms of resolution, the South & Central America analog to digital converter market is categorized into 8-bit, 10-bit, 12-bit, 14-bit, 16-bit, and others. The 12-bit segment held the largest market share in 2022.

By application, the South & Central America analog to digital converter market is segmented into industrial, consumer electronics, automotive, healthcare, telecommunication, and others. The industrial segment held a larger market share in 2022.

By country, the South & Central America analog to digital converter market is segmented into Brazil, Argentina, and the Rest of South & Central America. Brazil dominated the South & Central America analog to digital converter market share in 2022.

Analog Devices Inc, Asahi Kasei Corp, Renesas Electronics Corp, ROHM Co Ltd, STMicroelectronics NV, Teledyne Technologies Inc, and Texas Instruments Inc are among the leading companies operating in the South & Central America analog to digital converter market.

Contents

1. INTRODUCTION

- 1.1 The Insight Partners Research Report Guidance
- 1.2 Market Segmentation

2. EXECUTIVE SUMMARY

- 2.1 Key Insights
- 2.2 Market Attractiveness

3. RESEARCH METHODOLOGY

- 3.1 Coverage
- 3.2 Secondary Research
- 3.3 Primary Research

4. SOUTH & CENTRAL AMERICA ANALOG TO DIGITAL CONVERTER MARKET LANDSCAPE

- 4.1 Overview
- 4.2 Ecosystem Analysis
 - 4.2.1 List of Vendors in the Value Chain:

5. SOUTH & CENTRAL AMERICA ANALOG TO DIGITAL CONVERTER MARKET - KEY INDUSTRY DYNAMICS

- 5.1 Drivers
 - 5.1.1 Increasing Demand for Advanced Data Acquisition Systems
 - 5.1.2 Rising Demand for High-Resolution Images in Scientific and Medical Applications
 - 5.1.3 Rising Demand for Test & Measurement (T&M) Solutions by End Users
- 5.2 Restraint
 - 5.2.1 Complex Design of ADC
- 5.3 Opportunities
 - 5.3.1 Rising Developments in Automotive Industry
 - 5.3.2 Adoption of Digitization of Work Processes by Government in Emerging Economies
- 5.4 Future Trend

- 5.4.1 Growth of 5G in Developing Economies
- 5.5 Impact of Drivers and Restraints:

6. ANALOG TO DIGITAL CONVERTER MARKET - SOUTH & CENTRAL AMERICA MARKET ANALYSIS

- 6.1 South & Central America Analog to Digital Converter Market Overview
- 6.2 South & Central America Analog to Digital Converter Market Revenue (US\$ Million), 2022 - 2030
- 6.3 South & Central America Analog to Digital Converter Market Forecast and Analysis

7. SOUTH & CENTRAL AMERICA ANALOG TO DIGITAL CONVERTER MARKET ANALYSIS - TYPE

- 7.1 Integrating ADC
 - 7.1.1 Overview
 - 7.1.2 Integrating ADC Market Revenue and Forecasts to 2030 (US\$ Million)
- 7.2 Delta- Sigma ADC
 - 7.2.1 Overview
 - 7.2.2 Delta- Sigma ADC Market Revenue and Forecasts to 2030 (US\$ Million)
- 7.3 Ramp ADC
 - 7.3.1 Overview
 - 7.3.2 Ramp ADC Market Revenue and Forecasts to 2030 (US\$ Million)
- 7.4 Successive Approximation ADC
 - 7.4.1 Overview
 - 7.4.2 Successive Approximation ADC Market Revenue and Forecasts to 2030 (US\$ Million)
- 7.5 Others
 - 7.5.1 Overview
 - 7.5.2 Others Market Revenue and Forecasts to 2030 (US\$ Million)

8. SOUTH & CENTRAL AMERICA ANALOG TO DIGITAL CONVERTER MARKET ANALYSIS - RESOLUTION

- 8.1 8-Bit
 - 8.1.1 Overview
 - 8.1.2 8-Bit Market Revenue and Forecasts to 2030 (US\$ Million)
- 8.2 10-Bit
 - 8.2.1 Overview

- 8.2.2 10-Bit Market Revenue and Forecasts to 2030 (US\$ Million)
- 8.3 12-Bit
 - 8.3.1 Overview
 - 8.3.2 12-Bit Market Revenue and Forecasts to 2030 (US\$ Million)
- 8.4 14-Bit
 - 8.4.1 Overview
 - 8.4.2 14-Bit Market Revenue and Forecasts to 2030 (US\$ Million)
- 8.5 16-Bit
 - 8.5.1 Overview
 - 8.5.2 16-Bit Market Revenue and Forecasts to 2030 (US\$ Million)
- 8.6 Others
 - 8.6.1 Overview
 - 8.6.2 Others Market Revenue and Forecasts to 2030 (US\$ Million)

9. SOUTH & CENTRAL AMERICA ANALOG TO DIGITAL CONVERTER MARKET ANALYSIS - APPLICATION

- 9.1 Industrial
 - 9.1.1 Overview
 - 9.1.2 Industrial Market Revenue and Forecasts to 2030 (US\$ Million)
- 9.2 Consumer Electronics
 - 9.2.1 Overview
 - 9.2.2 Consumer Electronics Market Revenue and Forecasts to 2030 (US\$ Million)
- 9.3 Automotive
 - 9.3.1 Overview
 - 9.3.2 Automotive Market Revenue and Forecasts to 2030 (US\$ Million)
- 9.4 Healthcare
 - 9.4.1 Overview
 - 9.4.2 Healthcare Market Revenue and Forecasts to 2030 (US\$ Million)
- 9.5 Telecommunication
 - 9.5.1 Overview
 - 9.5.2 Telecommunication Market Revenue and Forecasts to 2030 (US\$ Million)
- 9.6 Others
 - 9.6.1 Overview
 - 9.6.2 Others Market Revenue and Forecasts to 2030 (US\$ Million)

10. SOUTH & CENTRAL AMERICA ANALOG TO DIGITAL CONVERTER MARKET - COUNTRY ANALYSIS

10.1 South & Central America

10.1.1 South & Central America Analog to Digital Converter Market Revenue and Forecasts and Analysis - By Countries

10.1.1.1 Brazil: South & Central America Analog to Digital Converter Market Revenue and Forecasts to 2030 (US\$ Mn)

10.1.1.1.1 Brazil: South & Central America Analog to Digital Converter Market Breakdown by Type

10.1.1.1.2 Brazil: South & Central America Analog to Digital Converter Market Breakdown by Resolution

10.1.1.1.3 Brazil: South & Central America Analog to Digital Converter Market Breakdown by Application

10.1.1.2 Argentina: South & Central America Analog to Digital Converter Market Revenue and Forecasts to 2030 (US\$ Mn)

10.1.1.2.1 Argentina: South & Central America Analog to Digital Converter Market Breakdown by Type

10.1.1.2.2 Argentina: South & Central America Analog to Digital Converter Market Breakdown by Resolution

10.1.1.2.3 Argentina: South & Central America Analog to Digital Converter Market Breakdown by Application

10.1.1.3 Rest of South & Central America: South & Central America Analog to Digital Converter Market Revenue and Forecasts to 2030 (US\$ Mn)

10.1.1.3.1 Rest of South & Central America: South & Central America Analog to Digital Converter Market Breakdown by Type

10.1.1.3.2 Rest of South & Central America: South & Central America Analog to Digital Converter Market Breakdown by Resolution

10.1.1.3.3 Rest of South & Central America: South & Central America Analog to Digital Converter Market Breakdown by Application

11. COMPETITIVE LANDSCAPE

11.1 Heat Map Analysis by Key Players

11.2 Company Positioning & Concentration

12. INDUSTRY LANDSCAPE

12.1 Overview

12.2 Market Initiatives

13. COMPANY PROFILES

13.1 Asahi Kasei Corp

- 13.1.1 Key Facts
- 13.1.2 Business Description
- 13.1.3 Products and Services
- 13.1.4 Financial Overview
- 13.1.5 SWOT Analysis
- 13.1.6 Key Developments

13.2 Analog Devices Inc

- 13.2.1 Key Facts
- 13.2.2 Business Description
- 13.2.3 Products and Services
- 13.2.4 Financial Overview
- 13.2.5 SWOT Analysis
- 13.2.6 Key Developments

13.3 ROHM Co Ltd

- 13.3.1 Key Facts
- 13.3.2 Business Description
- 13.3.3 Products and Services
- 13.3.4 Financial Overview
- 13.3.5 SWOT Analysis
- 13.3.6 Key Developments

13.4 Renesas Electronics Corp

- 13.4.1 Key Facts
- 13.4.2 Business Description
- 13.4.3 Products and Services
- 13.4.4 Financial Overview
- 13.4.5 SWOT Analysis
- 13.4.6 Key Developments

13.5 Texas Instruments Inc

- 13.5.1 Key Facts
- 13.5.2 Business Description
- 13.5.3 Products and Services
- 13.5.4 Financial Overview
- 13.5.5 SWOT Analysis
- 13.5.6 Key Developments

13.6 Teledyne Technologies Inc

- 13.6.1 Key Facts
- 13.6.2 Business Description

- 13.6.3 Products and Services
- 13.6.4 Financial Overview
- 13.6.5 SWOT Analysis
- 13.6.6 Key Developments
- 13.7 STMicroelectronics NV
 - 13.7.1 Key Facts
 - 13.7.2 Business Description
 - 13.7.3 Products and Services
 - 13.7.4 Financial Overview
 - 13.7.5 SWOT Analysis
 - 13.7.6 Key Developments

14. APPENDIX

- 14.1 Word Index

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