

**South & Central America Data Converter Market Forecast to 2028 - COVID-19 Impact and Regional Analysis - by Type (DAC and ADC), Sampling Rates (High Speed Converters and General/Low Speed Converters), Application (Medical, Industrial, Communications, Consumer Electronics, Automotive, and Others), Resolution (10-14 bit, Above 14-20 bit, and Above 20 bit), and Rate of Converter (Below 100Msps, 100-500Msps, Above 500Msps-1Gsps, and Above 1Gsps-3Gsps)**

Market Report | 2022-11-14 | 143 pages | The Insight Partners

**AVAILABLE LICENSES:**

- Single User Price \$3000.00
- Site Price \$4000.00
- Enterprise Price \$5000.00

**Report description:**

The data converter in South & Central America is expected to grow from US\$ 218.47 million in 2022 to US\$ 275.55 million by 2028. It is estimated to grow at a CAGR of 3.9% from 2022 to 2028.

Increase in Number of Product Launches

The continuously growing demand for data converters has compelled the market players to raise investments in the development of new and innovative product offerings. A few of the major product developments are mentioned as In December 2021, Texas Instruments Incorporated introduced the smallest 24-bit wideband ADC that aids in signal measurement with industry-leading precision at wider bandwidths. The newly launched ADS127L11 helps in achieving ultra-precise data acquisition in a 50% smaller package, significantly optimizing power consumption, resolution, and measurement bandwidth for a wide range of industrial systems. This product of the company can be used in applications such as test and measurement equipment and portable medical devices with improved battery life requirements. In May 2022, Analog Devices, Inc. introduced a new portfolio of next-generation 16-to-24-bit, ultrahigh-precision successive approximation register (SAR) ADCs. This new small AD4630-24 SAR ADC provides high

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scott-international.com](mailto:support@scott-international.com)

[www.scott-international.com](http://www.scott-international.com)

accuracy and performance with a wide common mode input range. Such advancements in data converters, supported by high investments from manufacturers to enhance their product portfolios and innovate products as per customer changing requirements, are contributing to the growth of the data converter market.

## Market Overview

Based on country, the South & Central America data converter market is segmented into Brazil, Argentina, and the Rest of South & Central America. South & Central American countries have been slow adopters of technologies. Moreover, the region comprises a limited number of data converter manufacturing enterprises. Among all countries in South & Central America, Brazil is estimated to be the most significant contributor to the revenue of the South & Central American data converter market during the forecast period. The market growth can be attributed to the growing telecommunication industry in the country. According to the report by BNamericas, the Brazilian telecom market surpassed 338 million subscriptions in fixed and mobile telephony, fixed broadband, and pay-TV in November 2021. In addition, Brazil's federal government is planning to commission a fifth-generation (5G) wireless network in the country, which is expected to support the growth of the data converter market in South & Central America. Also, the growing automotive industry in Colombia is propelling the demand for data converters in the country. In 2020, the automotive sector contributed around 1.8 trillion Colombian pesos to the country's GDP. The industry is considered an essential sector to achieve the government's goals for economic growth. Thus, all these factors are fuelling the growth of the data converter market in South & Central America.

## South & Central America Data Converter Market Revenue and Forecast to 2028 (US\$ Million)

### South & Central America Data Converter Market Segmentation

The South & Central America data converter is segmented into type, sampling rates, application, resolution, rate of converter and country.

Based on type, the market is segmented into DAC and ADC. The ADC segment registered the larger market share in 2022. Based on sampling rates, the market is segmented into high-speed converters and general/low speed converters. The high speed converters segment held the larger market share in 2022. Based on application, the market is segmented into medical, industrial, communications, consumer electronics, automotive, and others. The consumer electronics segment held the larger market share in 2022. Based on resolution, the market is segmented into 10-14 bit, above 14-20 bit, and above 20 bit. The 10-14 bit segment held the larger market share in 2022. Based on rate of converter, the market is segmented into Below 100MSPS, 100-500MSPS, Above 500MSPS-1GSPS, and Above 1GSPS-3GSPS. The Below 100MSPS segment held the larger market share in 2022. Based on country, the market is segmented into Brazil, Argentina and Rest of South & Central America. Brazil dominated the market share in 2022. Analog Devices, Inc.; Microchip Technology Inc.; NXP Semiconductors; Renesas Electronics Corporation; ROHM CO., LTD.; Synopsys, Inc.; Texas Instruments Incorporated and ON Semiconductor Corporation are the leading companies operating in the data converter in the region.

## Table of Contents:

### TABLE OF CONTENTS

1. Introduction
  - 1.1 Study Scope
  - 1.2 The Insight Partners Research Report Guidance
  - 1.3 Market Segmentation
2. Key Takeaways
3. Research Methodology

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

- 3.1 Coverage
- 3.2 Secondary Research
- 3.3 Primary Research
- 4. Data Converter Market Landscape
  - 4.1 Market Overview
  - 4.2 PEST Analysis
    - 4.2.1 South & Central America - PEST Analysis
  - 4.3 Ecosystem Analysis
  - 4.4 Expert Opinion
- 5. South & Central America Data Converter Market - Key Market Dynamics
  - 5.1 Market Drivers
    - 5.1.1 Rising Demand for Data Converters in Wireless Communications
    - 5.1.2 Increase in Number of Product Launches
  - 5.2 Market Restraints
    - 5.2.1 Fluctuations in Cost of Raw Materials
  - 5.3 Market Opportunities
    - 5.3.1 Flourishing Automotive Industry
  - 5.4 Future Trends
    - 5.4.1 Demand for High-Resolution Images in Medical Sector
  - 5.5 Impact Analysis of Drivers and Restraints
- 6. Data Converter Market - South & Central America Analysis
  - 6.1 Data Converter Market South & Central America Overview
  - 6.2 South & Central America Data Converter Market - South & Central America Revenue and Forecast to 2028 (US\$ Million)
  - 6.3 South & Central America Data Converter Market Volume Forecast and Analysis
- 7. South & Central America Data Converter Market - By Type
  - 7.1 Overview
  - 7.2 South & Central America Data Converter Market, by Type (2021 and 2028)
    - 7.3 Digital to Analog Converter (DAC)
      - 7.3.1 Overview
      - 7.3.2 South & Central America DAC: Data Converter Market - Revenue and Forecast to 2028 (US\$ Million)
      - 7.3.3 South & Central America DAC: Data Converter Market Volume and Forecast to 2028 (Million Units)
    - 7.4 Analog to Digital Converter (ADC)
      - 7.4.1 Overview
      - 7.4.2 South & Central America Analog to Digital Converter (ADC): Data Converter Market - Revenue and Forecast to 2028 (US\$ Million)
      - 7.4.3 South & Central America ADC: Data Converter Market Volume and Forecast to 2028 (Million Units)
- 8. South & Central America Data Converter Market Analysis - By Sampling Rates
  - 8.1 Overview
  - 8.2 South & Central America Data Converter Market, By Sampling Rates (2021 and 2028)
    - 8.3 High Speed Convertors
      - 8.3.1 Overview
      - 8.3.2 South & Central America High-Speed Convertors: Data Converter Market - Revenue and Forecast to 2028 (US\$ Million)
    - 8.4 General/Low Speed Convertors
      - 8.4.1 Overview
      - 8.4.2 South & Central America General/Low Speed Convertors: Data Converter Market - Revenue and Forecast to 2028 (US\$ Million)
- 9. South & Central America Data Converter Market Analysis - By Application

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

- 9.1 Overview
- 9.2 South & Central America Data Converter Market, By Application (2021 and 2028)
- 9.3 Medical
  - 9.3.1 Overview
  - 9.3.2 South & Central America Medical: Data Converter Market - Revenue and Forecast to 2028 (US\$ Million)
- 9.4 Industrial
  - 9.4.1 Overview
  - 9.4.2 South & Central America Industrial: Data Converter Market - Revenue and Forecast to 2028 (US\$ Million)
- 9.5 Communications
  - 9.5.1 Overview
  - 9.5.2 South & Central America Communications: data converter Market - Revenue and Forecast to 2028 (US\$ Million)
- 9.6 Consumer Electronics
  - 9.6.1 Overview
  - 9.6.2 South & Central America Consumer Electronics: data converter Market - Revenue and Forecast to 2028 (US\$ Million)
- 9.7 Automotive
  - 9.7.1 Overview
  - 9.7.2 South & Central America Automotive: data converter Market - Revenue and Forecast to 2028 (US\$ Million)
- 9.8 Others
  - 9.8.1 Overview
  - 9.8.2 South & Central America Others: Data Converter Market - Revenue and Forecast to 2028 (US\$ Million)
- 10. South & Central America Data Converter Market Analysis - by Resolution
  - 10.1 Overview
  - 10.2 South & Central America Data Converter Market, by Resolution (2021 and 2028)
    - 10.3-14 bit
      - 10.3.1 Overview
      - 10.3.2 South & Central America 10-14 bit: Data Converter Market - Revenue and Forecast to 2028 (US\$ Million)
    - 10.4 Above 14-20 bit
      - 10.4.1 Overview
      - 10.4.2 South & Central America Above 14-20 bit: Data Converter Market - Revenue and Forecast to 2028 (US\$ Million)
    - 10.5 Above 20 bit
      - 10.5.1 Overview
      - 10.5.2 South & Central America Above 20 bit: Data Converter Market - Revenue and Forecast to 2028 (US\$ Million)
- 11. South & Central America Data Converter Market Analysis - by Rate of Converter
  - 11.1 Overview
  - 11.2 South & Central America Data Converter Market, by Rate of Converter (2021 and 2028)
    - 11.3 Below 100Msps
      - 11.3.1 Overview
      - 11.3.2 South & Central America Below 100Msps: Data Converter Market - Revenue and Forecast to 2028 (US\$ Million)
    - 11.4 - 500Msps
      - 11.4.1 Overview
      - 11.4.2 South & Central America 100 - 500Msps: Data Converter Market - Revenue and Forecast to 2028 (US\$ Million)
    - 11.5 Above 500Msps - 1Gsps
      - 11.5.1 Overview
      - 11.5.2 South & Central America Above 500Msps - 1Gsps: Data Converter Market - Revenue and Forecast to 2028 (US\$ Million)
    - 11.6 Above 1Gsps - 3Gsps
      - 11.6.1 Overview
      - 11.6.2 South & Central America Above 1Gsps - 3Gsps: Data Converter Market - Revenue and Forecast to 2028 (US\$ Million)

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

- 12. South & Central America Data Converter Market - Country Analysis
  - 12.1 SAM: Data Converter Market
    - 12.1.1 SAM: Data Converter Market - Revenue and Forecast to 2028 (US\$ Million)
      - 12.1.2 South & Central America: Data Converter Market, by Key Country
        - 12.1.2.1 Brazil: Data Converter Market - Revenue and Forecast to 2028 (US\$ Million)
          - 12.1.2.1.1 Brazil: Data Converter Market, by Type
          - 12.1.2.1.2 Brazil: Data Converter Market, by Sampling Rates
          - 12.1.2.1.3 Brazil: Data Converter Market, by Application
          - 12.1.2.1.4 Brazil: Data Converter Market, by Resolution
          - 12.1.2.1.5 Brazil: Data Converter Market, by Rate of Converter
        - 12.1.2.2 Argentina: Data Converter Market - Revenue and Forecast to 2028 (US\$ Million)
          - 12.1.2.2.1 Argentina: Data Converter Market, by Type
          - 12.1.2.2.2 Argentina: Data Converter Market, by Sampling Rates
          - 12.1.2.2.3 Argentina: Data Converter Market, by Application
          - 12.1.2.2.4 Argentina: Data Converter Market, by Resolution
          - 12.1.2.2.5 Argentina: Data Converter Market, by Rate of Converter
        - 12.1.2.3 Rest of SAM: Data Converter Market - Revenue and Forecast to 2028 (US\$ Million)
          - 12.1.2.3.1 Rest of SAM: Data Converter Market, by Type
          - 12.1.2.3.2 Rest of SAM: Data Converter Market, by Sampling Rates
          - 12.1.2.3.3 Rest of SAM: Data Converter Market, by Application
          - 12.1.2.3.4 Rest of SAM: Data Converter Market, by Resolution
          - 12.1.2.3.5 Rest of SAM: Data Converter Market, by Rate of Converter
- 13. Industry Landscape
  - 13.1 Overview
  - 13.2 Market Initiative
  - 13.3 New Development
- 14. Company Profile
  - 14.1 Analog Devices, Inc.
    - 14.1.1 Key Facts
    - 14.1.2 Business Description
    - 14.1.3 Products and Services
    - 14.1.4 Financial Overview
    - 14.1.5 SWOT Analysis
    - 14.1.6 Key Developments
  - 14.2 Microchip Technology Inc.
    - 14.2.1 Key Facts
    - 14.2.2 Business Description
    - 14.2.3 Products and Services
    - 14.2.4 Financial Overview
    - 14.2.5 SWOT Analysis
    - 14.2.6 Key Developments
  - 14.3 NXP Semiconductors
    - 14.3.1 Key Facts
    - 14.3.2 Business Description
    - 14.3.3 Products and Services
    - 14.3.4 Financial Overview
    - 14.3.5 SWOT Analysis

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

- 14.3.6 Key Developments
- 14.4 Renesas Electronics Corporation
  - 14.4.1 Key Facts
  - 14.4.2 Business Description
  - 14.4.3 Products and Services
  - 14.4.4 Financial Overview
  - 14.4.5 SWOT Analysis
  - 14.4.6 Key Developments
- 14.5 ROHM CO., LTD.
  - 14.5.1 Key Facts
  - 14.5.2 Business Description
  - 14.5.3 Products and Services
  - 14.5.4 Financial Overview
  - 14.5.5 SWOT Analysis
  - 14.5.6 Key Developments
- 14.6 Synopsys, Inc.
  - 14.6.1 Key Facts
  - 14.6.2 Business Description
  - 14.6.3 Products and Services
  - 14.6.4 Financial Overview
  - 14.6.5 SWOT Analysis
  - 14.6.6 Key Developments
- 14.7 Texas Instruments Incorporated
  - 14.7.1 Key Facts
  - 14.7.2 Business Description
  - 14.7.3 Products and Services
  - 14.7.4 Financial Overview
  - 14.7.5 SWOT Analysis
  - 14.7.6 Key Developments
- 14.8 ON Semiconductor Corporation
  - 14.8.1 Key Facts
  - 14.8.2 Business Description
  - 14.8.3 Products and Services
  - 14.8.4 Financial Overview
  - 14.8.5 SWOT Analysis
  - 14.8.6 Key Developments
- 15. Appendix
  - 15.1 About The Insight Partners
  - 15.2 Word Index

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

**South & Central America Data Converter Market Forecast to 2028 - COVID-19 Impact and Regional Analysis - by Type (DAC and ADC), Sampling Rates (High Speed Converters and General/Low Speed Converters), Application (Medical, Industrial, Communications, Consumer Electronics, Automotive, and Others), Resolution (10-14 bit, Above 14-20 bit, and Above 20 bit), and Rate of Converter (Below 100Msps, 100-500Msps, Above 500Msps-1Gsps, and Above 1Gsps-3Gsps)**

Market Report | 2022-11-14 | 143 pages | The Insight Partners

To place an Order with Scotts International:

- Print this form
- Complete the relevant blank fields and sign
- Send as a scanned email to support@scotts-international.com

**ORDER FORM:**

Select license	License	Price
	Single User Price	\$3000.00
	Site Price	\$4000.00
	Enterprise Price	\$5000.00
		VAT
		Total

\*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

\*\* VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2026-03-09"/>
		Signature	<input type="text"/>