

# **South America Amplifier and Comparator Market Forecast to 2030 – COVID-19 Impact and Regional Analysis – by Type (Amplifier and Comparator) and Application (Industrial Sector, Communications Sector, Computing Devices, Consumer Electronics Devices, Automotive, Military & Aerospace, and Others)**

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## **Abstracts**

The South America amplifier and comparator market is expected to grow from US\$ 733.66 million in 2023 to US\$ 951.64 million by 2030; it is estimated to grow at a CAGR of 3.8% from 2023 to 2030.

### **Adoption of Advanced Driver-Assistance Systems**

The automotive industry is growing rapidly with significant digital transformation in the design and development of a wide range of components, such as infotainment, anti-lock braking systems (ABS), and electronic displays. The ongoing digital transformation across the automotive industry has been triggering the demand for advanced driver-assistance systems (ADAS). The increasing emphasis on road safety, government regulations mandating the use of advanced safety features, and rising demand for luxury vehicles further propel the adoption of ADAS. Thus, various automotive manufacturing giants are focusing on ADAS technology.

The functioning of ADAS systems is based on LiDAR technology, wherein trans-impedance amplifiers (TIA) and comparators play vital roles in receiving signals. TIA is used to detect the reflected signal, and once it has been successfully detected, a comparator indicates that signal. Thus, the increasing adoption of ADAS and

manufacturing of ADAS-enabled vehicles drive the amplifier and comparator market growth.

## South America Amplifier and Comparator Market Overview

The amplifiers and comparators market in South America is segmented into Brazil, Argentina, and the Rest of South America. The number of data centers is increasing significantly in the region. Eveo, a Brazil-based colocation firm, launched a new data center in Paran? in March 2023. Similarly, in January 2020, Imperva established a new data center in Argentina. As per the International Trade Administration (ITA), in March 2023, huge investments are being made in Brazil to develop data centers. Data centers use optical amplifiers and comparators for optical links to achieve high-speed data transmission and support long-distance optical communication networks. Thus, the growing number of data centers propel the amplifiers and comparators market in South America.

## South America Amplifier and Comparator Market Revenue and Forecast to 2030 (US\$ Million)

### South America Amplifier and Comparator Market Segmentation

The South America amplifier and comparator market is segmented based on type, application, and country. Based on type, the South America amplifier and comparator market is bifurcated into amplifier and comparator. The amplifier segment held a larger market share in 2023.

Based on application, the South America amplifier and comparator market is segmented into industrial sector, communications sector, computing devices, consumer electronics devices, automotive, military & aerospace, and others. The industrial sector segment held the largest market share in 2023.

Based on country, the South America amplifier and comparator market is segmented into Brazil, Argentina, and the Rest of South America. Brazil dominated the South America amplifier and comparator market share in 2023.

ABLIC Inc; Analog Devices Inc; Broadcom Inc; Microchip Technology Inc; NXP Semiconductors; Renesas Electronics Corporation; Skyworks Solutions Inc; STMicroelectronics NV; and Texas Instruments Inc are the leading companies operating in the South America amplifier and comparator market.

## 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**

- 3.1 Coverage
- 3.2 Secondary Research
- 3.3 Primary Research

### **4. SOUTH AMERICA AMPLIFIER AND COMPARATOR MARKET LANDSCAPE**

- 4.1 Market Overview
- 4.2 PEST Analysis
  - 4.2.1 South America
- 4.3 Ecosystem Analysis
- 4.4 Expert Opinion

### **5. SOUTH AMERICA AMPLIFIER AND COMPARATOR MARKET- KEY MARKET DYNAMICS**

- 5.1 Market Drivers
  - 5.1.1 Increasing Demand for Optical Amplifiers
  - 5.1.2 Adoption of Advanced Driver-Assistance Systems
- 5.2 Market Restraint
  - 5.2.1 Physical Limitations of Operational Amplifiers
- 5.3 Market Opportunities
  - 5.3.1 Growing Emphasis on Industrial Automation
- 5.4 Market Trends
  - 5.4.1 Rising Adoption of Electronic Transportation
- 5.5 Impact Analysis of Drivers and Restraints

### **6. AMPLIFIER AND COMPARATOR MARKET– SOUTH AMERICA MARKET**

## **ANALYSIS**

### 6.1 South America Amplifier and Comparator Market Forecast and Analysis

## **7. SOUTH AMERICA AMPLIFIER AND COMPARATOR MARKET REVENUE AND FORECAST TO 2030 – TYPE.**

### 7.1 Overview

### 7.2 Amplifier and Comparator Market, By Type (2022 and 2030)

### 7.3 Amplifier

#### 7.3.1 Overview

#### 7.3.2 Amplifier: Amplifier and Comparator Market Revenue and Forecast To 2030 (US\$ Million)

### 7.4 Comparator

#### 7.4.1 Overview

#### 7.4.2 Comparator: Amplifier and Comparator Market Revenue and Forecast To 2030 (US\$ Million)

## **8. SOUTH AMERICA AMPLIFIER AND COMPARATOR MARKET REVENUE AND FORECAST TO 2030 – APPLICATION**

### 8.1 Overview

### 8.2 Amplifier and Comparator Market, By Application (2022 and 2030)

### 8.3 Industrial Sector

#### 8.3.1 Overview

#### 8.3.2 Industrial Sector: Amplifier and Comparator Market Revenue and Forecast To 2030 (US\$ Million)

### 8.4 Communications Sector

#### 8.4.1 Overview

#### 8.4.2 Communications Sector: Amplifier and Comparator Market Revenue and Forecast To 2030 (US\$ Million)

### 8.5 Computing Devices

#### 8.5.1 Overview

#### 8.5.2 Computing Devices: Amplifier and Comparator Market Revenue and Forecast To 2030 (US\$ Million)

### 8.6 Consumer Electronics Devices

#### 8.6.1 Overview

#### 8.6.2 Consumer Electronics Devices: Amplifier and Comparator Market Revenue and Forecast To 2030 (US\$ Million)

## 8.7 Automotive

### 8.7.1 Overview

8.7.2 Automotive: Amplifier and Comparator Market Revenue and Forecast To 2030 (US\$ Million)

## 8.8 Military and Aerospace

### 8.8.1 Overview

8.8.2 Military and Aerospace: Amplifier and Comparator Market Revenue and Forecast To 2030 (US\$ Million)

## 8.9 Others

### 8.9.1 Overview

8.9.2 Others: Amplifier and Comparator Market Revenue and Forecast To 2030 (US\$ Million)

## **9. SOUTH AMERICA AMPLIFIER AND COMPARATOR MARKET– BY COUNTRY ANALYSIS**

### 9.1 South America: Amplifier and Comparator Market

#### 9.1.1 South America: Amplifier and Comparator Market, by Key Country

9.1.1.1 Brazil: Amplifier and Comparator Market– Revenue and Forecast to 2030 (US\$ Million)

9.1.1.1.1 Brazil: Amplifier and Comparator Market, By Type

9.1.1.1.2 Brazil: Amplifier and Comparator Market, By Application

9.1.1.2 Argentina: Amplifier and Comparator Market– Revenue and Forecast to 2030 (US\$ Million)

9.1.1.2.1 Argentina: Amplifier and Comparator Market, By Type

9.1.1.2.2 Argentina: Amplifier and Comparator Market, By Application

9.1.1.3 Rest of SAM: Amplifier and Comparator Market– Revenue and Forecast to 2030 (US\$ Million)

9.1.1.3.1 Rest of SAM: Amplifier and Comparator Market, By Type

9.1.1.3.2 Rest of SAM: Amplifier and Comparator Market, By Application

## **10. INDUSTRY LANDSCAPE**

### 10.1 Overview

### 10.2 Market Initiative

### 10.3 Product Development

### 10.4 Mergers & Acquisitions

## **11. COMPANY PROFILES**

- 11.1 Analog Devices Inc
  - 11.1.1 Key Facts
  - 11.1.2 Business Description
  - 11.1.3 Products and Services
  - 11.1.4 Financial Overview
  - 11.1.5 SWOT Analysis
  - 11.1.6 Key Developments
- 11.2 Broadcom Inc
  - 11.2.1 Key Facts
  - 11.2.2 Business Description
  - 11.2.3 Products and Services
  - 11.2.4 Financial Overview
  - 11.2.5 SWOT Analysis
  - 11.2.6 Key Developments
- 11.3 STMicroelectronics NV
  - 11.3.1 Key Facts
  - 11.3.2 Business Description
  - 11.3.3 Products and Services
  - 11.3.4 Financial Overview
  - 11.3.5 SWOT Analysis
  - 11.3.6 Key Developments
- 11.4 Microchip Technology Inc
  - 11.4.1 Key Facts
  - 11.4.2 Business Description
  - 11.4.3 Products and Services
  - 11.4.4 Financial Overview
  - 11.4.5 SWOT Analysis
  - 11.4.6 Key Developments
- 11.5 NXP Semiconductors NV
  - 11.5.1 Key Facts
  - 11.5.2 Business Description
  - 11.5.3 Products and Services
  - 11.5.4 Financial Overview
  - 11.5.5 SWOT Analysis
  - 11.5.6 Key Developments
- 11.6 Renesas Electronics Corp
  - 11.6.1 Key Facts
  - 11.6.2 Business Description

- 11.6.3 Products and Services
- 11.6.4 Financial Overview
- 11.6.5 SWOT Analysis
- 11.6.6 Key Developments
- 11.7 Skyworks Solutions Inc
  - 11.7.1 Key Facts
  - 11.7.2 Business Description
  - 11.7.3 Products and Services
  - 11.7.4 Financial Overview
  - 11.7.5 SWOT Analysis
  - 11.7.6 Key Developments
- 11.8 Texas Instruments Inc
  - 11.8.1 Key Facts
  - 11.8.2 Business Description
  - 11.8.3 Products and Services
  - 11.8.4 Financial Overview
  - 11.8.5 SWOT Analysis
  - 11.8.6 Key Developments
- 11.9 ABLIC Inc
  - 11.9.1 Key Facts
  - 11.9.2 Business Description
  - 11.9.3 Products and Services
  - 11.9.4 Financial Overview
  - 11.9.5 SWOT Analysis
  - 11.9.6 Key Developments

## **12. APPENDIX**

- 12.1 About The Insight Partners
- 12.2 Word Index

## List Of Tables

### LIST OF TABLES

Table 1. South America Amplifier and Comparator Market, Revenue and Forecast, 2020–2030 (US\$ Million)

Table 2. Brazil: Amplifier and Comparator Market, By Type – Revenue and Forecast to 2030 (US\$ Million)

Table 3. Brazil: Amplifier and Comparator Market, By Application – Revenue and Forecast to 2030 (US\$ Million)

Table 4. Argentina: Amplifier and Comparator Market, By Type – Revenue and Forecast to 2030 (US\$ Million)

Table 5. Argentina: Amplifier and Comparator Market, By Application – Revenue and Forecast to 2030 (US\$ Million)

Table 6. Rest of SAM: Amplifier and Comparator Market, By Type – Revenue and Forecast to 2030 (US\$ Million)

Table 7. Rest of SAM: Amplifier and Comparator Market, By Application – Revenue and Forecast to 2030 (US\$ Million)

Table 8. List of Abbreviation



## List Of Figures

### LIST OF FIGURES

- Figure 1. South America Amplifier and Comparator Market Segmentation
- Figure 2. South America Amplifier and Comparator Market Segmentation – by Country
- Figure 3. South America Amplifier and Comparator Market Overview
- Figure 4. South America Amplifier and Comparator Market, By Type
- Figure 5. South America: PEST Analysis
- Figure 6. South America Amplifier and Comparator Market Ecosystem Analysis
- Figure 7. South America Expert Opinion
- Figure 8. South America Amplifier and Comparator Market: Impact Analysis of Drivers and Restraints
- Figure 9. South America Amplifier and Comparator Market, Forecast and Analysis (US\$ Million)
- Figure 10. South America Amplifier and Comparator Market, By Type (2022 and 2030)
- Figure 11. Amplifier: South America Amplifier and Comparator Market Revenue and Forecast to 2030 (US\$ Million)
- Figure 12. Comparator: South America Amplifier and Comparator Market Revenue and Forecast to 2030 (US\$ Million)
- Figure 13. South America Amplifier and Comparator Market, By Application (2022 and 2030)
- Figure 14. Industrial Sector: South America Amplifier and Comparator Market Revenue and Forecast to 2030 (US\$ Million)
- Figure 15. Communications Sector: South America Amplifier and Comparator Market Revenue and Forecast to 2030 (US\$ Million)
- Figure 16. Computing Devices: South America Amplifier and Comparator Market Revenue and Forecast to 2030 (US\$ Million)
- Figure 17. Consumer Electronics Devices: South America Amplifier and Comparator Market Revenue and Forecast to 2030 (US\$ Million)
- Figure 18. Automotive: South America Amplifier and Comparator Market Revenue and Forecast to 2030 (US\$ Million)
- Figure 19. Military and Aerospace: South America Amplifier and Comparator Market Revenue and Forecast to 2030 (US\$ Million)
- Figure 20. Others: South America Amplifier and Comparator Market Revenue and Forecast to 2030 (US\$ Million)
- Figure 21. South America Amplifier and Comparator Market, by Key Country – Revenue (2022) (US\$ Million)
- Figure 22. South America: Amplifier and Comparator Revenue Share, by Key Country

(2022 and 2030)

Figure 23. Brazil: Amplifier and Comparator Market– Revenue and Forecast to 2030

(US\$ Million)

Figure 24. Argentina: Amplifier and Comparator Market– Revenue and Forecast to 2030

(US\$ Million)

Figure 25. Rest of SAM: Amplifier and Comparator Market– Revenue and Forecast to 2030 (US\$ Million)

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