

# **South & Central America Edge Computing Market Forecast to 2028 - Regional Analysis - by Component (Hardware, Software, and Services), Application [Smart Cities, Industrial Internet of Things (IIoT), Remote Monitoring, Content Delivery, Augmented Reality and Virtual Reality, and Others], Enterprise Size (SMEs and Large Enterprises), and Verticals (Manufacturing, Energy and Utilities, Government, IT and Telecom, Retail and Consumer Goods, Transportation and Logistics, Healthcare, and Others)**

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## **Abstracts**

The South & Central America edge computing market is expected to grow from US\$ 1,093.69 million in 2022 to US\$ 3,170.66 million by 2028. It is estimated to grow at a CAGR of 19.4% from 2022 to 2028.

Introduction of Autonomous Vehicles and Connected Car Infrastructure Fuels South & Central America Edge Computing Market

The introduction of autonomous cars is on the verge of undergoing extensive research because the autonomous system ensures passenger safety and security. Autonomous vehicles can connect to the edge to improve safety, enhance efficiency, reduce accidents, and decrease traffic congestion. These autonomous cars are equipped with a variety of sensors, and the large amount of data created by these sensors needs to be processed quickly. Machine learning (ML) algorithms used in self-driving cars extract insights from raw data to determine road conditions and make decisions based on them.

The growing integration of V2X (Vehicle-To-Everything) technology in the autonomous vehicles would offer potential opportunities for the market growth in the coming years. The automotive vehicles having an interactive advanced driver-assistance system (ADASs) and cooperative intelligent transport systems (C-ITS) are associated as connected cars. The connected-vehicle safety applications are designed to increase situation awareness and mitigate traffic accidents through vehicle-to-vehicle (V2V) and vehicle-to-infrastructure (V2I) communications. The V2X technology accelerates the huge computing demand on autonomous driving edge computing systems. The technology focuses mainly on vehicle-to-vehicle (V2V) and vehicle-to-infrastructure (V2I) goals. The significant increase in deployment of edge computing facilities in road infrastructure, many autonomous driving applications have started leveraging V2X communications to make the in-vehicle edge computing system efficient which is driving the market growth. A few benefits of edge computing in the autonomous vehicles include optimized data, faster 5G response times, infrastructure security, and localized data caching. Thus, edge computing is most widely adopted in these vehicles, which is expected to provide potential opportunity for the market growth during the forecast period.

### South & Central America Edge Computing Market Overview

In the last 15 years, economies in South America have progressed at a faster rate on average than the economies of many developed countries. However, they still lag in terms of technological advancements. Coupled with growing urbanization—the increasing deployment of advanced technologies in industries, rising need for remote monitoring, and popularity of real-time streaming solutions are the prominent factors propelling the demand for IoT solutions in SAM. According to the IoT Snapshot 2022 study, 47% of companies in SAM countries have already started implementing IoT, and pilot projects or initiatives in production have grown by 15% from 2020. These factors underline the need for edge data centers and cloud at the edge. Moreover, the adoption of Big Data and IoT will continue to attract investments in modular data centers from colocation, cloud, Internet, and telecommunication providers. For instance, in February 2022, AWS announced a list of 26 countries, including Colombia, Argentina, Peru, Mexico, Brazil, and Chile, in which it was planning to launch Local Zones for its Edge locations. As per the data published by Ericsson, GSMA Intelligence, the growth in smartphone penetration and mobile Internet usage would trigger data traffic by more than sixfold by 2024 in Argentina, which is expected to drive the demand for edge computing in the coming years. As per a 2022 report by Statista, 60.6% of the web traffic in Brazil is generated via mobile devices, while the web traffic via desktops has lowered to 38.65%. Such a rise in network traffic is fueling the demand for edge

computing in SAM.

South & Central America Edge Computing Market Revenue and Forecast to 2028 (US\$ Million)

South & Central America Edge Computing Market Segmentation

The South & Central America edge computing market is segmented into component, applications, enterprise size, verticals, and country.

Based on component, the South & Central America edge computing market is segmented into hardware, software, and services. The hardware segment registered the largest South & Central America edge computing market share in 2022.

Based on organization Size, the South & Central America edge computing market is segmented into SMEs and large enterprises. The large enterprises segment held a larger South & Central America edge computing market share in 2022.

Based on application, the South & Central America edge computing market is segmented into smart cities, industrial internet of things (IIOT), remote monitoring, content delivery, augmented reality and virtual reality, and others. The smart cities segment held the largest South & Central America edge computing market share in 2022.

Based on Verticals, the South & Central America edge computing market is segmented into manufacturing, energy and utilities, government, IT and telecom, retail and consumer goods, transportation and logistics, healthcare, and others. The IT and telecom segment held the largest South & Central America edge computing market share in 2022.

Based on country, the South & Central America edge computing market has been categorized into Brazil, Argentina, and the Rest of South & Central America. Brazil dominated the South & Central America edge computing market in 2022.

ADLINK Technology Inc; Amazon Web Services; Dell Technologies; EdgeConnex Inc; Hewlett Packard Enterprise Development LP (HPE); IBM Corporation; and Microsoft Corporation are some of the leading companies operating in the South & Central America edge computing market.

## Contents

### **1. INTRODUCTION**

- 1.1 Study Scope
- 1.2 The Insight Partners Research Report Guidance
- 1.3 Market Segmentation
  - 1.3.1 Edge Computing Market - By Component
  - 1.3.2 Edge Computing Market - By Enterprise Size
  - 1.3.3 Edge Computing Market - By Application
  - 1.3.4 Edge Computing Market - By Verticals
  - 1.3.5 Edge Computing Market- By Region

### **2. KEY TAKEAWAYS**

### **3. RESEARCH METHODOLOGY**

- 3.1 Coverage
- 3.2 Secondary Research
- 3.3 Primary Research

### **4. SOUTH & CENTRAL AMERICA EDGE COMPUTING MARKET LANDSCAPE**

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

### **5. SOUTH & CENTRAL AMERICA EDGE COMPUTING MARKET - KEY MARKET DYNAMICS**

- 5.1 Market Drivers
  - 5.1.1 Increase in Adoption of IoT across Industries
  - 5.1.2 Extremely Low Latency and High Availability of Bandwidth
- 5.2 Market Restraints
  - 5.2.1 Rising Risks and Concerns Related to Data Privacy
  - 5.2.2 Challenges Associated with Remote Management

## 5.3 Market Opportunities

### 5.3.1 Introduction of Autonomous Vehicles and Connected Car Infrastructure

## 5.4 Market Trends

### 5.4.1 Emergence of 5G Network to Deliver Instant Communication Experiences

## 5.5 Impact Analysis of Drivers and Restraints

## **6. EDGE COMPUTING MARKET - SOUTH & CENTRAL AMERICA ANALYSIS**

### 6.1 South & Central America Edge Computing Market Overview

#### 6.1.1 South & Central America Edge Computing Market - Revenue and Forecast to 2028 (US\$ Billion)

## **7. SOUTH & CENTRAL AMERICA EDGE COMPUTING MARKET ANALYSIS - BY COMPONENT**

### 7.1 Overview

#### 7.2 South & Central America Edge Computing Market, By Component (2021 And 2028)

### 7.3 Hardware

#### 7.3.1 Overview

#### 7.3.2 Hardware: South & Central America Edge Computing Market Revenue and Forecast To 2028 (US\$ Billion)

### 7.4 Software

#### 7.4.1 Overview

#### 7.4.2 Software: South & Central America Edge Computing Market Revenue and Forecast To 2028 (US\$ Billion)

### 7.5 Services

#### 7.5.1 Overview

#### 7.5.2 Services: South & Central America Edge Computing Market Revenue and Forecast To 2028 (US\$ Billion)

## **8. SOUTH & CENTRAL AMERICA EDGE COMPUTING MARKET ANALYSIS - BY APPLICATION**

### 8.1 Overview

#### 8.2 South & Central America Edge Computing Market, By Application (2021 And 2028)

### 8.3 Smart Cities

#### 8.3.1 Overview

#### 8.3.2 Smart Cities: South & Central America Edge Computing Market Revenue and Forecast To 2028 (US\$ Billion)

## 8.4 Industrial Internet of Things (IIoT)

### 8.4.1 Overview

### 8.4.2 Industrial Internet of Things (IIoT): South & Central America Edge Computing Market Revenue and Forecast To 2028 (US\$ Billion)

## 8.5 Remote Monitoring

### 8.5.1 Overview

### 8.5.2 Remote Monitoring: South & Central America Edge Computing Market Revenue and Forecast To 2028 (US\$ Billion)

## 8.6 Content Delivery

### 8.6.1 Overview

### 8.6.2 Content Delivery: South & Central America Edge Computing Market Revenue and Forecast To 2028 (US\$ Billion)

## 8.7 Augmented Reality and Virtual Reality

### 8.7.1 Overview

### 8.7.2 Augmented Reality and Virtual Reality: South & Central America Edge Computing Market Revenue and Forecast To 2028 (US\$ Billion)

## 8.8 Others

### 8.8.1 Overview

### 8.8.2 Others: South & Central America Edge Computing Market Revenue and Forecast To 2028 (US\$ Billion)

## **9. SOUTH & CENTRAL AMERICA EDGE COMPUTING MARKET ANALYSIS - BY ENTERPRISE SIZE**

### 9.1 Overview

### 9.2 South & Central America Edge Computing Market, By Enterprise Size (2021 and 2028)

### 9.3 Small and Medium Enterprises

#### 9.3.1 Overview

#### 9.3.2 Small and Medium Enterprises: South & Central America Edge Computing Market Revenue and Forecast To 2028 (US\$ Billion)

### 9.4 Large Enterprises

#### 9.4.1 Overview

#### 9.4.2 Large Enterprises: South & Central America Edge Computing Market Revenue and Forecast To 2028 (US\$ Billion)

## **10. SOUTH & CENTRAL AMERICA EDGE COMPUTING MARKET ANALYSIS - BY INDUSTRY**

## 10.1 Overview

### 10.2 South & Central America Edge Computing Market, By Industry (2021 And 2028)

## 10.3 Manufacturing

### 10.3.1 Overview

### 10.3.2 Manufacturing: South & Central America Edge Computing Market Revenue and Forecast To 2028 (US\$ Billion)

## 10.4 Energy & Utility

### 10.4.1 Overview

### 10.4.2 Energy & Utility: South & Central America Edge Computing Market Revenue and Forecast To 2028 (US\$ Billion)

## 10.5 Government

### 10.5.1 Overview

### 10.5.2 Government: South & Central America Edge Computing Market Revenue and Forecast To 2028 (US\$ Billion)

## 10.6 IT and Telecom

### 10.6.1 Overview

### 10.6.2 IT and Telecom: South & Central America Edge Computing Market Revenue and Forecast To 2028 (US\$ Billion)

## 10.7 Healthcare

### 10.7.1 Overview

### 10.7.2 Healthcare: South & Central America Edge Computing Market Revenue and Forecast To 2028 (US\$ Billion)

## 10.8 Retail and Consumer Goods

### 10.8.1 Overview

### 10.8.2 Retail and Consumer Goods: South & Central America Edge Computing Market Revenue and Forecast To 2028 (US\$ Billion)

## 10.9 Transportation and Logistics

### 10.9.1 Overview

### 10.9.2 Transportation and Logistics: South & Central America Edge Computing Market Revenue and Forecast To 2028 (US\$ Billion)

## 10.10 Others

### 10.10.1 Overview

### 10.10.2 Others: South & Central America Edge Computing Market Revenue and Forecast To 2028 (US\$ Billion)

## **11. SOUTH & CENTRAL AMERICA EDGE COMPUTING MARKET -COUNTRY ANALYSIS**

### 11.1 SAM: Edge Computing Market overview

- 11.1.1 Overview
- 11.1.2 SAM Edge Computing Market Breakdown, by Country
  - 11.1.2.1 Brazil Edge Computing Market, Revenue and Forecast to 2028
    - 11.1.2.1.1 Brazil Edge Computing Market Breakdown, by Component
    - 11.1.2.1.2 Brazil Edge Computing Market Breakdown, by Application
    - 11.1.2.1.3 Brazil Edge Computing Market Breakdown, by Enterprise Size
    - 11.1.2.1.4 Brazil Edge Computing Market Breakdown, by Industry
  - 11.1.2.2 Argentina Edge Computing Market, Revenue and Forecast to 2028
    - 11.1.2.2.1 Argentina Edge Computing Market Breakdown, by Component
    - 11.1.2.2.2 Argentina Edge Computing Market Breakdown, by Application
    - 11.1.2.2.3 Argentina Edge Computing Market Breakdown, by Enterprise Size
    - 11.1.2.2.4 Argentina Edge Computing Market Breakdown, by Industry
  - 11.1.2.3 Rest of SAM Edge Computing Market, Revenue and Forecast to 2028
    - 11.1.2.3.1 Rest of SAM Edge Computing Market Breakdown, by Component
    - 11.1.2.3.2 Rest of SAM Edge Computing Market Breakdown, by Application
    - 11.1.2.3.3 Rest of SAM Edge Computing Market Breakdown, by Enterprise Size
    - 11.1.2.3.4 Rest of SAM Edge Computing Market Breakdown, by Industry

## **12. SOUTH & CENTRAL AMERICA EDGE COMPUTING MARKET-INDUSTRY LANDSCAPE**

- 12.1 Overview
- 12.2 Market Initiative
- 12.3 Merger and Acquisition
- 12.4 New Product Launch

## **13. COMPANY PROFILES**

- 13.1 ADLINK Technology Inc.
  - 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 Amazon Web Services
  - 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 Dell Technologies
  - 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 EdgeConnex Inc.
  - 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 IBM Corporation
  - 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 Microsoft Corporation
  - 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 Hewlett Packard Enterprise Development LP (HPE)
  - 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 About The Insight Partners

14.2 Word Index

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