

# **South & Central America 5G Base Station Market Forecast to 2030 - Regional Analysis - by Component (Hardware and Service), Frequency Band (Less Than 2.5 GHz, 2.5 - 8 GHz, 8 - 25 GHz, and More Than 25 GHz), Cell Type [Macrocell and Small Cell (Microcell, Picocell, and Femtocell)], and End User (Industrial, Commercial, and Residential)**

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## **Abstracts**

The South & Central America 5G base station market was valued at US\$ 1,168.07 million in 2022 and is expected to reach US\$ 3,232.73 million by 2030; it is estimated to register a CAGR of 13.6% from 2022 to 2030.

### **Development of Smart Infrastructure and Smart City Fuels South & Central America 5G Base Station Market**

The new Internet of Things (IoT) applications are facilitating smart city initiatives across the globe. It provides the ability to manage, monitor, and control devices remotely and to create actionable information and new insights from huge streams of real-time data. Smart cities use IoT to collect real-time data to understand the constantly changing demands of infrastructure and implement lower-cost, faster solutions. Digital city ecosystems are constructed to run on ICT frameworks that connect numerous dedicated networks of sensors, mobile devices, home appliances, communication gateways, connected cars, and data centers. 5G technology has various traits that will positively impact smart cities and digital experiences; a higher speed of uploading and downloading data guarantees the ability to connect multiple devices while maintaining very short latency times. 5G helps smoothen the construction of smart city infrastructure and boost the deployment and development of new applications, including monitoring

air quality, smart parking, crowd management, energy use, traffic patterns, street lighting, and emergency response. The smart city uses advanced technology, digital solutions, and data to substantially improve various key quality-of-life indicators. This leads to improved commute and traffic time, reduced healthcare costs, decreased water consumption, accelerated emergency response time, low unrecycled waste and harmful emissions, as well as a huge saving potential. Thus, the growing development of smart infrastructure and smart cities is likely to create a great opportunity for the growth of the 5G base station market in the coming years.

## South & Central America 5G Base Station Market Overview

The demand for 5G base stations in South America (SAM) has increased recently as the region has witnessed a significant increase in mobile device adoption, including laptops, smartphones, and tablets. As more people rely on these devices for work, communication, entertainment, and productivity, the need for 5G base stations arises. South America has witnessed a significant increase in mobile data usage. As people use more data-intensive applications and services, there is a need for faster and more reliable mobile networks, which 5G can provide. As the region emerges from the impacts of the COVID-19 pandemic, a key priority for governments of various countries in SAM is to promote sustainable development and drive economic recovery. Digital services and technologies are necessary to realize this objective by stimulating economic growth, mobilizing the workforce, and enabling industrial efficiencies. According to the GSM Association, in Latin America, take-up of 4G has more than doubled in the past five years (2015-2020), with more than 410 million connections in 2021. This growth is projected to continue till 2024 as consumers are increasingly transferring to 5G plans. In June 2022, seven countries in the region launched commercial 5G services. The modern adoption rate of 5G services is ~1% of total 5G connections, but this is expected to reach 11% by 2025. Therefore, South America has been slower in adopting 5G compared to regions such as North America and APAC. However, the demand for 5G base stations is steadily increasing as the region recognizes the need for enhanced connectivity to support economic growth, technological advancement, and improved quality of life.

## South & Central America 5G Base Station Market Revenue and Forecast to 2030 (US\$ Million)

### South & Central America 5G Base Station Market Segmentation

The South & Central America 5G base station market is categorized into component,

frequency band, cell type, end user, and country.

Based on component, the South & Central America 5G base station market is bifurcated into hardware and service. The hardware segment held a larger market share in 2022.

In terms of frequency band, the South & Central America 5G base station market is segmented into less than 2.5 GHz, 2.5 - 8 GHz, 8 - 25 GHz, and more than 25 GHz. The less than 2.5 GHz segment held the largest market share in 2022.

By cell type, the South & Central America 5G base station market is bifurcated into macrocell and small cell. The small cell segment held a larger market share in 2022. Furthermore, the small cell segment is sub segmented into microcell, picocell, and femtocell.

Based on end user, the South & Central America 5G base station market is segmented into industrial, commercial, and residential. The commercial segment held the largest market share in 2022.

By country, the South & Central America 5G base station market is segmented into Brazil, Argentina, and the Rest of South & Central America. Brazil dominated the South & Central America 5G base station market share in 2022.

Huawei Technologies Co Ltd, NEC Corp, Nokia Corp, Samsung Electronics Co Ltd, Telefonaktiebolaget LM Ericsson, and ZTE Corp are among the leading companies operating in the South & Central America 5G base station market.

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