

South & Central America Private LTE Market Forecast to 2030 - Regional analysis - by Component [Solution and Services (Professional Services and Managed Services)], Type (FDD and TDD), and End User (Manufacturing, Energy & Utilities, Healthcare, Transportation, Mining, and Others)

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Abstracts

The South & Central America private LTE market was valued at US\$ 287.51 million in 2022 and is expected to reach US\$ 619.98 million by 2030; it is estimated to grow at a CAGR of 10.1% from 2022 to 2030.

Demand for Ultra-Reliable, Low Latency Communication Fuels South & Central America Private LTE Market.

The demand for greater bandwidth grows as people interact in high-definition video and receive increasingly immersive experiences with virtual reality and cloud gaming. Machines, too, rely on high-speed, low-latency networking, especially as industrial processes become more automated.

Private LTE is being built to enable services for latency-sensitive devices in applications such as autonomous driving, factory automation, remote surgery, mission-critical communications, and VR/AR entertainment. These applications require sub-millisecond latency and error rates of fewer than one packet per 10⁵. Ultra-reliable low-latency communications (URLLC) application cases have stringent latency and reliability requirements.

Cellular networks encounter challenges due to channel fading, interference levels, and

user equipment (UE) movement. Private LTE technology enables high reliability, low latency, and optimal multiplexing of URLLC and other traffic in the system. Throughout the projection period, remote LTE deployment must be planned to meet high latency and reliability standards for URLLC, i.e., be suitable for the private LTE market.

South & Central America Private LTE Market Overview

The private LTE market in South & Central America has been further segmented into Brazil, Argentina, and the Rest of South & Central America. Countries in SAM are attracting huge FDIs. The availability of cheap labor, low entry barriers, and low interest rates are the key factors driving FDI in the region's manufacturing sector. Certain countries in the region have relaxed FDI regulations. Thus, they are attracting investments from several companies. For instance, Argentina is concentrating on attracting FDIs by taking several initiatives, such as easing import restrictions, signing international bilateral agreements, and lifting restrictions on foreign investment. These initiatives are expected to help in the development of the manufacturing sector in SAM. To boost the overall production process in the manufacturing industry, the implementation of a private LTE network is growing in the region.

Due to an increase in innovative city projects, there is a proliferation in demand for mobiles, smartphones, and enhanced internet service among the South American masses. More than 82% of the South American population lives in urban areas, and the percentage is anticipated to grow to 90% by 2050. Economic development is one of the most significant drivers of urbanization, and it surges the interest in smart cities in the region. The increasing deployment of private LTE networks across various industries is boosting the region's market.

South & Central America Private LTE Market Revenue and Forecast to 2030 (US\$ Million)

South & Central America Private LTE Market Segmentation

The South & Central America private LTE market is segmented based on component, type, end user, and country. Based on component, the South & Central America private LTE market is segmented into solution and services. The services segment is further bifurcated into professional and managed services. The solution segment held a larger market share in 2022.

Based on type, the South & Central America private LTE market is bifurcated into FDD and TDD. The FDD segment held a larger market share in 2022.

Based on end user, the South & Central America private LTE market is segmented into manufacturing, energy & utilities, healthcare, transportation, mining, and others . The manufacturing segment held the largest market share in 2022.

Based on country, the South & Central America private LTE market is segmented into Brazil, Argentina, and the Rest of South & Central America. Brazil dominated the South & Central America private LTE market share in 2022.

Cisco Systems Inc, Telefonaktiebolaget LM Ericsson, Huawei Investment & Holding Co Ltd, Samsung Group, Star Solutions, and Kyndryl Holdings Inc are some of the leading companies operating in the South & Central America private LTE market.

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