

# **North America Private 5G/4G Antenna Market Size and Forecasts (2020 - 2030), Regional Share, Trends, and Growth Opportunity Analysis Report Coverage: By Type (Multiple Input Multiple Output (MIMO), Monopole Antenna, Planar-F antenna (PIFA), Others); Directional Type (Directional, Omnidirectional); Industry Verticals (Manufacturing, IT & Telecom, Healthcare, Transport & Logistics, Aerospace & Defense, Others)**

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## **Abstracts**

The North America private 5G/4G antenna market size was valued at US\$ 284.31 million in 2022 and is expected to reach US\$ 1,231.37 million by 2030. The North America private 5G/4G antenna market is estimated to record a CAGR of 20.1% from 2022 to 2030.

**Rising Adoption of Cloud Computing to Provide Lucrative Opportunities for North America Private 5G/4G Antenna Market Growth During Forecast Period**

North America private 5G/4G antenna market is growing as cloud computing has gained significant traction in various industries, with organizations increasingly relying on cloud services to store, process, and analyze their data. This paradigm shift toward cloud computing necessitates robust and dependable network connectivity to ensure seamless access to cloud resources. Private 5G/4G networks have emerged as a viable solution for organizations seeking dedicated and secure connections to cloud services. The private networks provide a reliable and high-speed connection that can cater specifically to the needs of cloud computing applications.

As more organizations embrace cloud services, the demand for private networks that can offer reliable and secure connections to the cloud increases. This drives the need for advanced antennas capable of supporting the high-speed and low-latency requirements of cloud-based applications. In response to this market demand, antenna manufacturers in North America develop and offer innovative antenna solutions that are optimized for private 5G/4G networks. In June 2023, Microsoft Azure enables the swift and efficient implementation of private 4G and 5G networks, empowering organizations to rapidly deploy secure and dedicated connectivity solutions. By harnessing the capabilities of Azure, organizations can take benefit of the scalability, flexibility, and reliability offered by private 4G and 5G networks, ultimately driving innovation and productivity across various industries.

In June 2023, T-Mobile and Google Cloud announced a collaborative effort aimed at harnessing the capabilities of 5G and edge computing, thereby enabling enterprises to embrace digital transformation. T-Mobile stated its intentions to integrate its 5G ANS suite of private, public, and hybrid 5G networks with Google Distributed Cloud Edge (GDC Edge), providing customers with enhanced access to next-generation 5G applications and use cases, such as AR/VR experiences. Thus, rising adoption of cloud computing provides lucrative growth opportunities for the North America private 5G/4G antenna market growth.

#### Key Findings of North America Private 5G/4G Antenna Market Study:

Based on type, North America private 5G/4G antenna market is segmented into Planar-F antenna (PIFA), Multiple Input Multiple Output (MIMO), monopole antenna, and others. Based on the directional type, the North America private 5G/4G antenna market is bifurcated into one directional and omnidirectional. Based on industry verticals, the North America private 5G/4G antenna market is segmented into manufacturing, IT and telecom, healthcare, transport and logistics, aerospace and defence and others. Based on region, the North America private 5G/4G antenna market is categorized into US, Canada, and Mexico.

A directional antenna is a commonly utilized antenna in the private 5G/4G antenna market. Its purpose is to focus the wireless signal in a particular direction, resulting in enhanced signal strength and coverage in that specific direction while minimizing signal dispersion in other directions. Directional antennas hold a pivotal role in improving wireless network performance within private 5G/4G networks.

The utilization of directional antennas in North America private 5G/4G antenna market leads to improved connectivity, facilitating support for more users and enhancing the overall quality of wireless communication. These antennas are specifically designed to operate within the frequency bands used by 5G and 4G networks, thereby making them highly suitable for deployment in these systems. Thus, there is an increase in the North America private 5G/4G antenna market is growth.

Telefonaktiebolaget LM Ericsson; Amphenol Corp; Antenova Ltd.; TE Connectivity Ltd; Taoglas; Cisco Systems Inc.; Panorama Antennas Ltd.; Huber+Suhner AG; Infinite Electronics International, Inc.; and Capestone BV are among the leading players profiled in the North America private 5G/4G antenna market report. Several other essential North America private 5G/4G antenna market players were analyzed for a holistic view of the market and its ecosystem

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