

The Global Cloud RAN Market Set to Soar from USD 11.1B in 2021 to USD 85.9B by 2031 at 23.4% CAGR

The increasing speed of technical advances expected to drive the C-RAN market growth.

WILMINGTON, DE, UNITED STATES, February 12, 2025 /EINPresswire.com/ -- Allied Market Research published a new report, titled, " The [Global Cloud RAN Market](#) Set to Soar from USD 11.1B in 2021 to USD 85.9B by 2031 at 23.4% CAGR."

The report offers an extensive analysis of key growth strategies, drivers, opportunities, key segment, Porter's Five Forces analysis, and competitive landscape. This study is a helpful source of information for market players, investors, VPs, stakeholders, and new entrants to gain thorough understanding of the industry and determine steps to be taken to gain competitive advantage.



Cloud RAN Industry

The global cloud ran market size was valued at USD 11.1 billion in 2021, and is projected to reach USD 85.9 billion by 2031, growing at a CAGR of 23.4% from 2022 to 2031.

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The mobile telecommunications sector is rapidly progressing owing to the 5G network type, in which C-RAN plays a critical role. Operators can save money using C-RAN in terms of both (OPEX) operating expenses and (CAPEX) Capital expenditures. Additionally, the C-RAN can improve network performance while lowering (TCO) total cost of ownership. In circumstances involving low-latency networks, C-RAN is important. The ability to pool resources, support different technologies, streamline network operations and management, reuse infrastructure, and reduce energy usage are further benefits of C-RAN. Over the forecast period, these significant aspects are anticipated to propel the expansion of the worldwide Cloud RAN market share.

The global C-RAN market is segmented on the basis of type, component, network type, deployment, and region. By technology, the market is sub-segmented into virtualization technology and centralization technology. On the basis component, the market is classified into solutions and services. By network type, the market is classified into 5G, 4G, and 3G. By deployment venue, the market is classified into targeted outdoor and indoor. By region, the market is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

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Based on type, the centralization technology sub-segment emerged as the global leader in 2021, and the virtualization technology sub-segment is anticipated to be the fastest-growing sub-segment during the forecast period. Based on components, the services sub-segment emerged as the global leader in 2021, and the solutions sub-segment is predicted to show the fastest growth in the upcoming years.

Based on network type, the 4G sub-segment emerged as the global leader in 2021, and the 5G sub-segment is predicted to show the fastest growth in the upcoming years. Based on deployment venue, the outdoor sub-segment emerged as the global leader in 2021, and the indoor sub-segment is predicted to show the fastest growth in the upcoming years.

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Based on region, the North American market registered the highest market share in 2021 and is projected to maintain the position during the forecast period. The key players profiled in this report include FUJITSU, ZTE Corporation., Intel Corporation, Telefonaktiebolaget LM Ericsson, Cisco Systems, Inc., Huawei Technologies Co., Ltd., ASOCS Ltd., SAMSUNG, NEC Corporation, and Nokia.

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Impact of Covid-19 on the Global Cloud RAN Industry

- Due to social distancing conventions and state-wide lockdowns, the COVID-19 pandemic has inevitably resulted in an increase in the usage of digital technologies. Individuals and organizations have had to adapt to new ways of living and working globally.
- During the COVID-19 epidemic, communication service providers faced four operational issues. Security of network data, ensuring the continuity of operations, adjusting to new traffic patterns, and ensuring the quality of crucial services are some of these.
- Dye to the lockdown, most people have turned to the internet and internet-based services to

communicate, connect, and continue with their professional tasks from home. Utilization of internet services has increased from 40% to 100% as compared to pre-lockdown levels.

□ Organizations upgrade their IT infrastructure to accommodate the increased use of video and audio-conferencing solutions. During the pandemic people due to work from home, the organizations have increased spending on network infrastructure, bandwidth growth, and cloud-based applications. To secure the data organizations using C-RAN technology.

Thanks for reading this article; you can also get an individual chapter-wise section or region-wise report versions like North America, Europe, or Asia.

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Lastly, this report provides market intelligence most comprehensively. The report structure has been kept such that it offers maximum business value. It provides critical insights into the market dynamics and will enable strategic decision-making for the existing market players as well as those willing to enter the market.

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Allied Market Research (AMR) is a market research and business-consulting firm of Allied Analytics LLP, based in Portland, Oregon. AMR offers market research reports, business solutions, consulting services, and insights on markets across 11 industry verticals. Adopting extensive research methodologies, AMR is instrumental in helping its clients to make strategic business decisions and achieve sustainable growth in their market domains. We are equipped with skilled analysts and experts and have a wide experience of working with many Fortune 500 companies and small & medium enterprises.

Pawan Kumar, the CEO of Allied Market Research, is leading the organization toward providing high-quality data and insights. We are in professional corporate relations with various companies. This helps us dig out market data that helps us generate accurate research data tables and confirm utmost accuracy in our market forecasting. Every data company in the domain is concerned. Our secondary data procurement methodology includes deep presented

in the reports published by us is extracted through primary interviews with top officials from leading online and offline research and discussion with knowledgeable professionals and analysts in the industry.

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