Cloud RAN (C-RAN) Market - Forecasts from 2018 to 2023

Abstracts

C-RAN (Cloud RAN) market is projected to witness a compound annual growth rate of 13.71% over the forecast period to grow to US$997.456 million in 2023, from US$461.463 million in 2017. C-RAN refers to a highly advanced cellular network architecture for mobile network infrastructure that meets wireless communication benchmarks and also supports 2G, 3G, and 4G technologies. As compared to traditional cellular network systems, C-RAN doesn't require RF (radio frequency) equipment, antenna, BTS (baseband unit) and a digital processor to be deployed. Major advantages of adopting C-RAN solutions are a reduction in site rental expenses, lower operational and maintenance cost of the network, and lesser energy consumption. Improved spectrum efficiency, a considerable reduction in the number of base station sites, better load-balancing capability, efficient operations, agility, and reliability are the major factors accelerating the market growth. Growing demand for C-RAN architecture can also be attributed to the growing mobile traffic, easy availability of low priced products and rising demand for quality mobile data services. However, major challenges being faced by the C-RAN vendors include huge initial investments and lack of availability of ample fiber resources.

This research study examines the current market trends related to the demand, supply, and sales, in addition to the recent developments. Major drivers, restraints, and opportunities have been covered to provide an exhaustive picture of the market. The analysis presents in-depth information regarding the development, trends, and industry policies and regulations implemented in each of the geographical regions. Further, the overall regulatory framework of the market has been exhaustively covered to offer stakeholders a better understanding of the key factors affecting the overall market environment.

Identification of key industry players in the industry and their revenue contribution to the overall business or relevant segment aligned to the study have been covered as a part of competitive intelligence done through extensive secondary research. Various studies and data published by industry associations, analyst reports, investor presentations, press releases and journals among others have been taken into consideration while conducting the secondary research. Both bottom-up and top down approaches have been utilized to determine the market size of the overall market and key segments. The values obtained are correlated with the primary inputs of the key stakeholders in the C-RAN value chain. Last step involves complete market engineering which includes analyzing the data from different sources and existing proprietary datasets while using various data triangulation methods for market breakdown and forecasting.

Market intelligence is presented in the form of analysis, charts, and graphics to help the clients in gaining faster and efficient understanding of the market.

Major industry players profiled as part of the report are Nokia Corporation, ZTE Corporation, Cisco Systems, NEC Corporation, Intel Corporation, and Ceragon Networks among others.

Segmentation

By Components

BBU

RRU

Optical Transport Network

Servers

Processors

Others

By Services

Professional Services

Managed Services

By Geography

North America

South America

Europe

Middle East and Africa

Asia-Pacific

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