

# RAN Intelligent Controller Market Size to Hit \$14 Billion by 2032, Riding a 58.6% CAGR

*The growth of the global RAN intelligent controller market is driven by rise in demand for network enhancement and collaboration across the ecosystem.*

WILMINGTON, DE, UNITED STATES, January 28, 2025 /EINPresswire.com/ --

The RAN Intelligent Controller (RIC) is a software-defined network element that sits between the RAN equipment and the core network. It utilizes real-time data and analytics to dynamically control and optimize the RAN functions. To dynamically control and optimize the RAN functions, it makes use of real-time data and analytics. The RIC industry offers platforms and software solutions that let operators deploy and operate RAN operations more intelligently and effectively.

With the help of these controllers, operators improve resource allocation, increase network performance, and enable innovative features such as network slicing and dynamic spectrum sharing. The demand for better network performance, greater network capacity, and a need for network automation and optimization are all factors that drive the market for RAN intelligent controllers. It includes a number of players who create and provide RAN Intelligent Controller solutions to telecom operators and service providers, including telecom equipment vendors, software providers, and system integrators.

Download Sample Report (Get Full Insights in PDF - 348 Pages) at:  
<https://www.alliedmarketresearch.com/request-sample/A156655>

The demand for RAN Intelligent Controller is being driven by the increase in complexity of mobile networks. Operators need innovative network management solutions to guarantee optimal network performance and user experience as connected devices and data traffic keep growing. The market for RAN intelligent controllers is being driven by the increase in use of cloud-based solutions. Furthermore, operators lower hardware expenses and increase network agility &



The image shows the cover of a market research report. The top left section is orange with white text: "RAN INTELLIGENT CONTROLLER MARKET" and "OPPORTUNITIES AND FORECAST, 2023-2032". The top right section is white with orange text: "Ran intelligent controller market is expected to reach \$14 Billion in 2032" and "Growing at a CAGR of 58.6% (2023-2032)". The bottom half of the cover features a photograph of several telecommunications towers with antennas against a blue sky with clouds. The Allied Market Research logo is in the top left corner of the photo, and the report code "Report Code: A156655, www.alliedmarketresearch.com" is at the bottom left of the photo.

RAN Intelligent Controller Market

scalability by implementing RAN intelligent controller in a cloud-based environment. The deployment of RAN intelligent controller is being fueled by the application of machine learning and artificial intelligence (AI). The RAN Intelligent Controller optimize network performance and decrease downtime owing to its powerful analytics and automation capabilities. This enhances user experience and boosts income for operators.

According to the report, the global [ran intelligent controller market](#) generated \$142.7 million in 2022, and is estimated to reach \$14 billion by 2032, witnessing a CAGR of 58.6% from 2023 to 2032. The report offers a detailed analysis of changing market trends, top segments, key investment pockets, value chains, regional landscapes, and competitive scenarios.

The factors such as rise in demand for network enhancement, collaboration across ecosystems, and open interfaces primarily drive the growth of the RAN intelligent controller market. However, the difficulties in implementation and integration hamper market growth to some extent. Moreover, a rise in demand for enhanced network management is expected to provide lucrative opportunities for market expansion during the forecast period.

Buy Now & Get Exclusive Discount on this Report: <https://www.alliedmarketresearch.com/ran-intelligent-controller-market/purchase-options>

By component, the platform segment held the major share in 2022, garnering more than two-thirds of the global RAN intelligent controller market revenue, owing to RIC platform which enables operators to provide specialized services like low-latency apps for autonomous vehicles or high-bandwidth services for video streaming. The services segment would also showcase the fastest CAGR of 61.9% during the forecast period, owing to growing demand for network optimization and performance improvement is one of the main growth factors for the RIC service. Operators must effectively manage their radio access networks (RANs) as mobile data traffic grows to provide customers with a higher-quality service.

By function, the non-real-time-RAN intelligent controller (Non-RT RIC) segment accounted for nearly two-thirds of the global RAN intelligent controller market share in 2022, and is expected to rule the boost by 2032, owing higher-level duties including network optimization, policy administration, and analytics, in contrast to the RT RIC, which focuses largely on real-time operations like radio resource management and scheduling. The same segment would also display the fastest CAGR of 60.4% throughout the forecast period, owing to operations like network optimization and policy management, while the Near-RT RIC is in charge of lower-latency operations like radio resource management, scheduling, and interference management that call for near-real-time decision-making.□

Based on technology, 4G segment dominated the RAN intelligent controller market in 2022 and is expected to maintain its dominance in the upcoming years owing to the widespread usage of smartphones, mobile applications, and streaming services propels the market growth significantly. However, the 5G segment is expected to witness the highest growth, owing to

ensure effective network capacity utilization and provide consumers with high-quality experiences.

Inquiry Before Buying: <https://www.alliedmarketresearch.com/purchase-enquiry/A156655>

Region-wise, North America dominated the RAN intelligent controller market size in 2022 and is expected to maintain its dominance in the upcoming year, owing to the advancements in 5G technology, the expansion of mobile networks, the adoption of Internet of Things (IoT) devices, and the need for efficient network management. However, Asia-Pacific is expected to witness the highest growth, owing to developing countries such as China and India the adaption of smart technologies such as AI and ML escalates the demand for RAN intelligent controller. In addition, with the proliferation of smartphones, IoT devices, and digital services, there has been an exponential increase in data traffic across mobile networks in the Asia-Pacific region.

COVID-19 Impact Analysis:

The pandemic has delayed network deployments and investments, causing disruptions in the telecom sector. The market for RIC solutions has been impacted by the need for many operators to delay the implementation of new RAN infrastructure. As a result, market expansion has momentarily slowed down. Positively, the pandemic has increased network traffic significantly because of remote work, online education, and greater reliance on digital services. The need for greater network management and optimization has been underscored by this increase in demand, opening doors for RIC solutions. The adoption of RICs may be influenced by operators' increased focus on optimizing user experience and network performance. The industry's focus on network virtualization and automation has increased as a result of the epidemic. Operators are increasingly searching for software-defined solutions like RICs to optimize their networks due to limited access to physical resources and the necessity for remote management. The market size for RICs may be driven by this trend toward virtualization and automation overall. The need for RICs is anticipated to increase as economies recover from the pandemic and operators resume their plans to develop networks. The deployment of 5G networks and the requirement for effective network management will probably be the main factors influencing market size in the post-pandemic period.□

The market players operating in RAN intelligent controller industry are Telefonaktiebolaget Lm Ericsson, Nokia, Huawei Technologies Co., Ltd., Intel Corporation, Samsung, ZTE Corporation., Cisco Systems, Inc., NEC Corporation, Juniper Networks, Inc., VMware, Inc. These major players have adopted various key development strategies such as business expansion, new product launches, and partnerships, which help to drive the growth of RAN intelligent controller industry globally.

If you have any special requirements, Request customization:

<https://www.alliedmarketresearch.com/request-for-customization/A156655>

## About Us:

Allied Market Research (AMR) is a full-service market research and business-consulting wing of Allied Analytics LLP, based in Portland, Oregon. AMR provides global enterprises as well as medium and small businesses with unmatched quality of "Market Research Reports" and "Business Intelligence Solutions." AMR has a targeted view to provide business insights and consulting to assist its clients in making strategic business decisions and achieving sustainable growth in their respective market domains.

AMR launched its user-based online library of reports and company profiles, Avenue. An e-access library is accessible from any device, anywhere, and at any time for entrepreneurs, stakeholders, researchers, and students at universities. With reports on more than 60,000 niche markets with data comprising 600,000 pages along with company profiles on more than 12,000 firms, Avenue offers access to the entire repository of information through subscriptions. A hassle-free solution to clients' requirements is complemented with analyst support and customization requests.

## Contact:

David Correa

1209 Orange Street,

Corporation Trust Center,

Wilmington, New Castle,

Delaware 19801 USA.

Int'l: +1-503-894-6022

Toll Free: + 1-800-792-5285

UK: +44-845-528-1300

India (Pune): +91-20-66346060

Fax: +1-800-792-5285

[help@alliedmarketresearch.com](mailto:help@alliedmarketresearch.com)

David Correa

Allied Market Research

+ + +1 800-792-5285

[email us here](#)

Visit us on social media:

[Facebook](#)

[X](#)

[LinkedIn](#)

[YouTube](#)

---

This press release can be viewed online at: <https://www.einpresswire.com/article/780917669>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something

we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2025 Newsmatics Inc. All Right Reserved.