

# Open Radio Access Network (Open RAN) Market Forecasted to Hit USD 54,032.29 Million by 2034, Surging with 34.5% CAGR

*The growing demand for private networks covering several industries is a prominent factor driving the open radio access network (Open RAN) market.*

NEW YORK CITY, NY, UNITED STATES, November 28, 2024 /EINPresswire.com/ -- The [open radio access network \(Open RAN\) market](#) forecast for 2034 is a specialized study of the industry with a specific concentration on the global market trend analysis.



Open RAN regulates the frontier amongst varied constituents of the network, permitting constituents from varied vendors to operate cohesively”

*Polaris Market Research*

The open radio access network (Open RAN) market is augmenting. The market is approximated to reach USD 54,032.29 million by 2034. It was valued at USD 2,797.19 million in 2024. It exhibited a CAGR of 34.5% from 2025 to 2034.

Open RAN is a transference in the method to outline and locate radio access network framework in the telecommunication industries. It aims to disconnect and unfold the radio access network, sanctioning superior flexibility, conformity, and invention in network arrangements and sustaining contemporary inventive business possibilities.

Open RAN offers promoters improved flexibility and configurability, decreases prices, escalates productivity, and enhances service quality. Its open connection permits combining and complementing constituents from varied vendors, smoothening network handling, and speedier arrangement of contemporary services, impacting the open radio access network (Open RAN) market growth favorably.

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Global Market Outlook: Open Radio Access Network (Open RAN) Market

- AT&T Inc.
- Fujitsu Limited
- Huawei Technologies Co., Ltd.
- Intel
- Juniper Networks
- Mavenir
- NEC Corp.
- Nokia Corporation
- Parallel Wireless
- Radisys Corporation
- Samsung Electronics Co., Ltd.
- ZTE Corporation

are some of the leading players in the open radio access network (Open RAN) market.

The aggressive topography of the market is portrayed by an assorted fusion of entrenched telecommunication mammoths, inventive technology startups, and an escalating network of specific vendors.

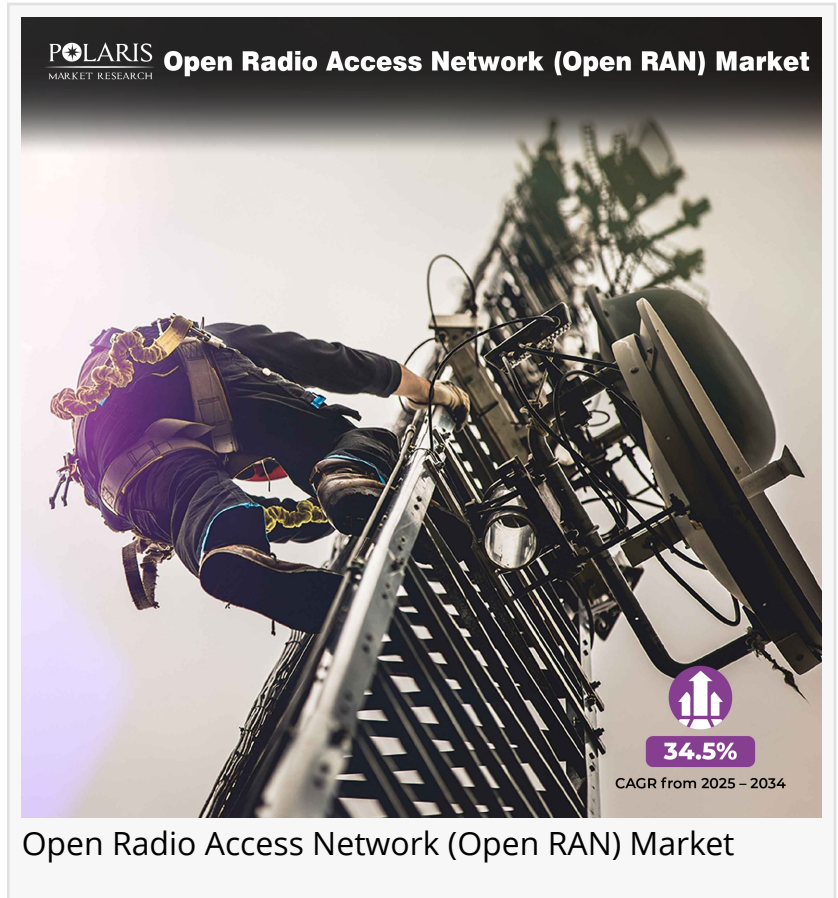
Key Market Developments and Trends:

- In May 2024, Samsung Electronics and O2 Telefónica instigated cloud-centric RAN and Open RAN commercial locations in Germany. This symbolizes the premiere usage of Samsung's 5G vRAN solution in a commercial framework in Germany, conveying a high presentation of dependable 4G and 5G services to consumers.

Market Drivers and Challenges:

**Reduction of Reliance on Foreign Vendors:** Governments and administrative organizations in regions such as the US, Europe, and Japan are reinforcing Open RAN to decrease dependence on particular foreign vendors, build up supply chain safety, and promote local technology advancement. Additionally, the growing demand for inventive services such as IoT, edge computing, and artificial intelligence (AI)-powered framework maximization are pushing workers to acquire more flexible and customizable networks.

**Advancements in Network Visibility:** Open RAN is propelling notable progressions in network visibility and cloud amalgamation, essentially through the encouragement of network function virtualization. The virtualization of RAN operations and their arrangement on the usual impetus cloud framework sanction workers to generate more productive and adaptable networks. This, in turn, is having a favorable impact on open radio access network (Open RAN) market sales.



Provision of Progressive Security Elements: Open RAN offers progressive security elements and a sizeable framework of architectural regulation, permitting operators to combine customized safety solutions to meet their requirements.

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North America: North America accounted for the largest open radio access network (Open RAN) market share. The region's robust growth is primarily due to the premature acquisition of progressive telecommunications technologies pushed by notable funding from prominent telecommunication operators and framework donors.

Asia Pacific: Asia Pacific is anticipated to witness significant growth from 2025 to 2034. This can be attributed to the growing mobile intake covering the region powered by the speedy acquisition of smartphones and IoT gadgets has generated a desperate requirement for scalable and productive network solutions.

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By Offering Outlook

- Hardware
  - o Radio
  - o Units Centralized Units/Distributed Units
  - o Other Hardware
  
- Software
  - o RAN Intelligent Controller
  - o Network Orchestration & Management Software
  - o Other Software
  
- Service
  - o Network Planning & Optimization
  - o Deployment & Integration
  - o Support & Maintenance

By Network Deployment Outlook

- Public Networks
- Private Networks

By Frequency Outlook

- Band Sub-6GHz
- mmWave
- Others

#### By Deployment Phase Outlook

- Brownfield
- Greenfield

#### By Regional Outlook

- North America

- o US
- o Canada

- Europe

- o Germany
- o France
- o UK
- o Italy
- o Spain
- o Netherlands
- o Russia
- o Rest of Europe

- Asia Pacific

- o China
- o Japan
- o India
- o Malaysia
- o South Korea
- o Indonesia
- o Australia
- o Vietnam
- o Rest of Asia Pacific

- Middle East & Africa

- o Saudi Arabia
- o UAE
- o Israel
- o South Africa
- o Rest of the Middle East & Africa

- Latin America

- o Mexico

- o Brazil
- o Argentina
- o Rest of Latin America

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How much is the open radio access network (Open RAN) market?

The market size was valued at USD 2,797.19 million in 2024 and is projected to grow to USD 54,032.29 million by 2034.

What is the growth rate of the open radio access network (Open RAN) market?

The global market is projected to register a CAGR of 34.5% during the forecast period.

Which region held the largest market share?

North America accounted for the largest share of the global market in 2024.

Which segment by offering type led the market?

The hardware segment dominated the market in 2024.

Browse PMR's Open Radio Access Network (Open RAN) Market Report Coverage from Different Publications:

[Open Radio Access Network \(Open RAN\) Market Size](#) to Achieve a Remarkable 34.5% CAGR, Crossing USD 54,032.29 Million By 2034

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Polymers, Polymers, Polymers & Polymers, Polymers:

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