

# Global Open RAN Market Size, Share, Growth Trends, Opportunities, and Regional Forecasts 2022-2032

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## Abstracts

The global Open RAN market is projected to witness significant growth, with an estimated market size of USD 2.1 billion in 2023 and a robust compound annual growth rate (CAGR) of 39.4% expected from 2024 to 2032. Open Radio Access Network (O-RAN) represents a transformative shift in the telecommunications industry, enabling operators to select components from various vendors for seamless integration. This modular and interoperable approach reduces costs and fosters innovation, offering a flexible alternative to traditional RAN architectures.

The establishment of the O-RAN ALLIANCE by major telecom operators such as China Mobile, AT&T Inc., and Deutsche Telekom highlights the global momentum toward open standards and virtualized networks. Regulatory bodies in regions like North America and Europe endorse Open RAN as a strategic move to enhance network security and reduce dependency on single vendors. These trends, coupled with increasing investments in 5G infrastructure, propel the adoption of Open RAN solutions globally.

Key drivers of market growth include reduced operational costs, enhanced network efficiency, and vendor diversity. Furthermore, the advent of hybrid and private cloud deployments has amplified the scalability and security of Open RAN implementations. Despite challenges like security risks and the need for standardization, ongoing advancements in technology and collaboration among industry stakeholders are expected to address these concerns, solidifying Open RAN's role in next-generation telecommunications.

Regional analysis reveals North America's dominance, driven by early technological adoption and substantial investments in telecom infrastructure. Europe and Asia-Pacific follow suit, with strong growth driven by policy support and expanding digital

ecosystems.

Major market players included in this report:

Samsung Electronics Co., Ltd.

NEC Corporation

Fujitsu Limited

Nokia Corporation

Mavenir

Radisys Corporation (Reliance Industries)

Parallel Wireless

ZTE Corporation

AT&T Inc.

Casa Systems, Inc.

Telefonaktiebolaget LM Ericsson

Vodafone Group

Deutsche Telekom

BT Group

Huawei Technologies Co., Ltd.

The detailed segments and sub-segments of the market are explained below:

By Component:

Hardware

Software

Services

Consulting

Deployment and Implementation

Support and Maintenance

By Unit:

Radio Unit

Distributed Unit

Centralized Unit

By Deployment:

Private Cloud

Hybrid Cloud

Public Cloud

By Network:

2G/3G

4G

5G

By Frequency:

Sub-6 GHz

mmWave

By Region:

North America:

U.S.

Canada

Europe:

UK

Germany

France

Italy

Rest of Europe

Asia Pacific:

India

Japan

Australia

South Korea

Malaysia

Rest of Asia Pacific

Latin America:

Brazil

Mexico

Rest of Latin America

Middle East & Africa:

Kingdom of Saudi Arabia (KSA)

UAE

South Africa

Rest of MEA

Years considered for the study:

Historical year: 2022

Base year: 2023

Forecast period: 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with country-level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand-side and supply-side analysis of the market.

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