

AI-RAN (Artificial Intelligence-Powered Radio Access Network) Market - 2026-2035

<https://marketpublishers.com/r/ABFECBA571A2EN.html>

Date: July 2026

Pages: 87

Price: US\$ 3,400.00 (Single User License)

ID: ABFECBA571A2EN

Abstracts

AI-RAN (Artificial Intelligence-Powered Radio Access Network) Market reached US\$2.95 billion in 2025 and is expected to reach US\$ 46.69 billion by 2035, growing with a CAGR of 28.00% during the forecast period 2026-2035.

The AI-RAN (Artificial Intelligence-Powered Radio Access Network) Market emerges as a key focus in DataM Intelligence latest in-depth analysis, where seasoned researchers harness advanced data analytics and strategic foresight to deliver unparalleled market intelligence. This insightful report meticulously explores the competitive landscape, profiling key players and their forward-thinking innovations in product development, pricing strategies, financial metrics, and global expansion initiatives. By uncovering the driving forces, market dynamics, and disruptive trends shaping the future, this research equips industry stakeholders with the actionable insights needed to make informed decisions in an increasingly dynamic and competitive environment.

A AI-RAN (Artificial Intelligence-Powered Radio Access Network) Market is a data-driven software solution that collects, integrates, analyzes, and visualizes customer data across various touchpoints to generate actionable insights. These platforms help businesses understand customer behaviors, preferences, and purchasing patterns in real time, enabling personalized marketing, enhanced customer engagement, and data-driven decision-making.

By Component

Software *

Hardware

Services

By RAN Architecture

Open RAN (O-RAN) *

Virtualized RAN (vRAN)

Hybrid RAN

By Deployment

On-premises*

Cloud based

By End-Users

Telecom Operators*

Enterprises

Others

Regional Analysis for AI-RAN (Artificial Intelligence-Powered Radio Access Network) Market:

North America (U.S., Canada, Mexico)

Europe (U.K., Italy, Germany, Russia, France, Spain, The Netherlands and Rest of Europe)

Asia-Pacific (India, Japan, China, South Korea, Australia, Indonesia Rest of Asia Pacific)

South America (Colombia, Brazil, Argentina, Rest of South America)

Middle East & Africa (Saudi Arabia, U.A.E., South Africa, Rest of Middle East & Africa)

This Report Covers:

Go-to-market Strategy.

Neutral perspective on the market performance.

Development trends, competitive landscape analysis, supply side analysis, demand side analysis, year-on-year growth, competitive benchmarking, vendor identification, and other significant analysis, as well as development status.

Customized regional/country reports as per request and country level analysis.

Potential & niche segments and regions exhibiting promising growth covered.

Analysis of Market Size (historical and forecast), Total Addressable Market (TAM), Serviceable Available Market (SAM), Serviceable Obtainable Market (SOM), Market Growth, Technological Trends, Market Share, Market Dynamics, Competitive Landscape and Major Players (Innovators, Start-ups, Laggard, and Pioneer).

Research Process:

Both primary and secondary data sources have been used in the global AI-RAN (Artificial Intelligence-Powered Radio Access Network) Market research report. During the research process, a wide range of industry-affecting factors are examined, including governmental regulations, market conditions, competitive levels, historical data, market situation, technological advancements, upcoming developments, in related businesses, as well as market volatility, prospects, potential barriers, and challenges.

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