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Global AI-RAN (Artificial Intelligence-Powered Radio Access Network) Market - 2024-2032

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Abstracts

The Global AI-RAN (Artificial Intelligence-Powered Radio Access Network) Market was valued at US$ 150,00 million in 2024 and is anticipated to reach US$ 816,04 million by 2032, at a CAGR of 0.2375 from 2026 to 2032.

The report delivers in-depth insights into key market dynamics, including regional growth trends, market segmentation, CAGR projections, and the revenue performance of leading industry players. It also highlights major growth drivers shaping the market landscape. Designed to provide a clear and comprehensive perspective, the report offers a detailed view of the current market size in terms of both value and volume, along with emerging opportunities and the overall development outlook of the Global AI-RAN (Artificial Intelligence-Powered Radio Access Network) Market.

This report delivers a comprehensive overview of the Global AI-RAN (Artificial Intelligence-Powered Radio Access Network) Market, with both quantitative and qualitative analyses, to help readers develop growth strategies, assess the competitive landscape, evaluate their position in the current market, and make informed business decisions regarding Global AI-RAN (Artificial Intelligence-Powered Radio Access Network) Market. The Global AI-RAN (Artificial Intelligence-Powered Radio Access Network) Market size, estimates, and forecasts are provided in terms of output/shipments (K MT) and revenue (US$ millions), with 2025 as the base year and historical and forecast data for 2024–2032.

Global AI-RAN (Artificial Intelligence-Powered Radio Access Network) Market Scope:

By Component

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- 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

Key Players

- NVIDIA
- NOKIA
- Mavenir

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SAMSUNG

NEC Corporation

FUJITSU

ZTE Corporation

VIAVI SOLUTIONS INC.

Radisys

Telefonaktiebolaget LM Ericsson

Major Highlights

This report delivers a comprehensive overview of the Global AI-RAN (Artificial Intelligence-Powered Radio Access Network) Market, with both quantitative and qualitative analyses, to help readers develop growth strategies, assess the competitive landscape, evaluate their position in the current market, and make informed business decisions regarding Global AI-RAN (Artificial Intelligence-Powered Radio Access Network) Market. The Global AI-RAN (Artificial Intelligence-Powered Radio Access Network) Market size, estimates, and forecasts are provided in terms of output/shipments (K Sqm) and revenue (US$ millions), with 2025 as the base year and historical and forecast data for 2024–2032.

This report will assist keyword manufacturers, new entrants, and companies across the industry value chain with information on revenues, production, and average prices for the overall market and its sub-segments, by company, by Type, by Application, and by region.

Regional Analysis:

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

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

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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)

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Target Audience 2026

Manufacturers/ Buyers

Industry Investors/Investment Bankers

Research Professionals

Emerging Companies

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