

Intelligent Network Market Size, Share & Trends Analysis Report By Enterprise Size (Small & Medium Sized Enterprises, Large Enterprises), By Application (Telecom Service Provider, Cloud Service Provider), By End-use, By Region, And Segment Forecasts, 2024 - 2030

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Abstracts

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Intelligent Network Market Size & Trends

The global intelligent network market size was estimated at USD 4.24 billion in 2023 and is projected to grow at a CAGR of 26.2% from 2024 to 2030. The growth is driven by the telecom industry, which is experiencing significant increases in both interest and adoption of Artificial Intelligence (AI) and Machine Learning (ML) technologies. Although still in the early stages, the industry has moved beyond initial trials and lab testing, which were once considered cutting-edge. Intelligent networking is becoming mainstream as telecom companies increasingly utilize it for operational support, whether through deploying intelligence in next-generation networks or automating network management tasks like ticket correlation and predictive maintenance.

The adoption of intelligent networks in telecommunications is propelling the growth of the intelligent network market. These networks enable automation of numerous functions, such as call routing and management, allowing operators to swiftly introduce new services to customers. Additionally, intelligent networks offer real-time network information, aiding in the diagnosis and resolution of network issues, enhancing

performance, and reducing downtime. Advances in artificial intelligence and machine learning, along with the rising demand for cloud-based services, are further boosting market growth. Despite these positive factors, high deployment costs, cybersecurity issues, and complex integration are hindering the market's expansion. Conversely, the widespread deployment of 5G networks is expected to create significant opportunities for the growth of the intelligent network industry.

Global Intelligent Network Market Report Segmentation

This report forecasts revenue growth at global, regional, and country levels and provides an analysis of the latest industry trends in each of the sub-segments from 2018 to 2030. For this study, Grand View Research has segmented the global intelligent network market report based on enterprise size, application, end-use and region:

Enterprise Size Outlook (Revenue, USD Billion, 2018 - 2030)

Small and Medium-Sized Enterprises

Large Enterprises

Application Outlook (Revenue, USD Billion, 2018 - 2030)

Information Cognition

Traffic Prediction and Classification

Resource Management and Network Adoption

Performance Prediction and Configuration Extrapolation

End-use Outlook (Revenue, USD Billion, 2018 - 2030)

Telecom Service Provider

Cloud Service Provider

Managed Network Service Provider

Other Enterprises

Regional Outlook (Revenue, USD Billion, 2018 - 2030)

North America

U.S.

Canada

Europe

Germany

UK

France

Asia Pacific

China

Japan

India

South Korea

Australia

Latin America

Brazil

Mexico

Middle East and Africa (MEA)

Kingdom of Saudi Arabia

UAE

South Africa

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