

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

Contents

CHAPTER 1. METHODOLOGY AND SCOPE

- 1.1. Market Segmentation and Scope
- 1.2. Market Definitions
- 1.3. Research Methodology
 - 1.3.1. Information Procurement
 - 1.3.2. Information or Data Analysis
 - 1.3.3. Market Formulation & Data Visualization
 - 1.3.4. Data Validation & Publishing
- 1.4. Research Scope and Assumptions
 - 1.4.1. List of Data Sources

CHAPTER 2. EXECUTIVE SUMMARY

- 2.1. Market Outlook
- 2.2. Segment Outlook
- 2.3. Competitive Insights

CHAPTER 3. INTELLIGENT NETWORK MARKET VARIABLES, TRENDS, & SCOPE

- 3.1. Market Introduction/Lineage Outlook
- 3.2. Market Dynamics
 - 3.2.1. Market Drivers Analysis
 - 3.2.2. Market Restraints Analysis
 - 3.2.3. Industry Opportunities
 - 3.2.4. Industry Challenges
- 3.3. Intelligent Network Market Analysis Tools
 - 3.3.1. Porter's Five Forces Analysis
 - 3.3.2. PESTEL Analysis

CHAPTER 4. INTELLIGENT NETWORK MARKET: ENTERPRISE SIZE ESTIMATES & TREND ANALYSIS

- 4.1. Segment Dashboard
- 4.2. Intelligent Network Market: Enterprise Size Movement Analysis, USD Billion, 2023 & 2030
- 4.3. Small and Medium-Sized Enterprises

4.3.1. Small and Medium-Sized Enterprises Market Revenue Estimates and Forecasts, 2018 - 2030 (USD Billion)

4.4. Large Enterprises

4.4.1. Large Enterprises Market Revenue Estimates and Forecasts, 2018 - 2030 (USD Billion)

CHAPTER 5. INTELLIGENT NETWORK MARKET: APPLICATION ESTIMATES & TREND ANALYSIS

5.1. Segment Dashboard

5.2. Intelligent Network Market: Application Movement Analysis, USD Billion, 2023 & 2030

5.3. Information Cognition

5.3.1. Information Cognition Market Revenue Estimates and Forecasts, 2018 - 2030 (USD Billion)

5.4. Traffic Prediction and Classification

5.4.1. Traffic Prediction and Classification Market Revenue Estimates and Forecasts, 2018 - 2030 (USD Billion)

5.5. Resource Management and Network Adoption

5.5.1. Resource Management and Network Adoption Market Revenue Estimates and Forecasts, 2018 - 2030 (USD Billion)

5.6. Performance Prediction and Configuration Extrapolation

5.6.1. Performance Prediction and Configuration Extrapolation Market Revenue Estimates and Forecasts, 2018 - 2030 (USD Billion)

CHAPTER 6. INTELLIGENT NETWORK MARKET: END USE ESTIMATES & TREND ANALYSIS

6.1. Segment Dashboard

6.2. Intelligent Network Market: End Use Movement Analysis, USD Billion, 2023 & 2030

6.3. Telecom Service Provider

6.3.1. Telecom Service Provider Market Revenue Estimates and Forecasts, 2018 - 2030 (USD Billion)

6.4. Cloud Service Provider

6.4.1. Cloud Service Provider Market Revenue Estimates and Forecasts, 2018 - 2030 (USD Billion)

6.5. Managed Network Service Provider

6.5.1. Managed Network Service Provider Market Revenue Estimates and Forecasts, 2018 - 2030 (USD Billion)

6.6. Other Enterprises

6.6.1. Other Enterprises Market Revenue Estimates and Forecasts, 2018 - 2030 (USD Billion)

CHAPTER 7. INTELLIGENT NETWORK MARKET: REGIONAL ESTIMATES & TREND ANALYSIS

7.1. Intelligent Network Market Share, By Region, 2023 & 2030, USD Billion

7.2. North America

7.2.1. North America Intelligent Network Market Estimates and Forecasts, 2018 - 2030 (USD Billion)

7.2.2. U.S.

7.2.2.1. U.S. Intelligent Network Market Estimates and Forecasts, 2018 - 2030 (USD Billion)

7.2.3. Canada

7.2.3.1. Canada Intelligent Network Market Estimates and Forecasts, 2018 - 2030 (USD Billion)

7.2.4. Mexico

7.2.4.1. Mexico Intelligent Network Market Estimates and Forecasts, 2018 - 2030 (USD Billion)

7.3. Europe

7.3.1. Europe Intelligent Network Market Estimates and Forecasts, 2018 - 2030 (USD Billion)

7.3.2. UK

7.3.2.1. UK Intelligent Network Market Estimates and Forecasts, 2018 - 2030 (USD Billion)

7.3.3. Germany

7.3.3.1. Germany Intelligent Network Market Estimates and Forecasts, 2018 - 2030 (USD Billion)

7.3.4. France

7.3.4.1. France Intelligent Network Market Estimates and Forecasts, 2018 - 2030 (USD Billion)

7.4. Asia Pacific

7.4.1. Asia Pacific Intelligent Network Market Estimates and Forecasts, 2018 - 2030 (USD Billion)

7.4.2. China

7.4.2.1. China Intelligent Network Market Estimates and Forecasts, 2018 - 2030 (USD Billion)

7.4.3. Japan

7.4.3.1. Japan Intelligent Network Market Estimates and Forecasts, 2018 - 2030
(USD Billion)

7.4.4. India

7.4.4.1. India Intelligent Network Market Estimates and Forecasts, 2018 - 2030 (USD Billion)

7.4.5. South Korea

7.4.5.1. South Korea Intelligent Network Market Estimates and Forecasts, 2018 - 2030 (USD Billion)

7.4.6. Australia

7.4.6.1. Australia Intelligent Network Market Estimates and Forecasts, 2018 - 2030 (USD Billion)

7.5. Latin America

7.5.1. Latin America Intelligent Network Market Estimates and Forecasts, 2018 - 2030 (USD Billion)

7.5.2. Brazil

7.5.2.1. Brazil Intelligent Network Market Estimates and Forecasts, 2018 - 2030 (USD Billion)

7.6. Middle East and Africa

7.6.1. Middle East and Africa Intelligent Network Market Estimates and Forecasts, 2018 - 2030 (USD Billion)

7.6.2. KSA

7.6.2.1. KSA Intelligent Network Market Estimates and Forecasts, 2018 - 2030 (USD Billion)

7.6.3. UAE

7.6.3.1. UAE Intelligent Network Market Estimates and Forecasts, 2018 - 2030 (USD Billion)

7.6.4. South Africa

7.6.4.1. South Africa Intelligent Network Market Estimates and Forecasts, 2018 - 2030 (USD Billion)

CHAPTER 8. COMPETITIVE LANDSCAPE

8.1. Recent Developments & Impact Analysis by Key Market Participants

8.2. Company Categorization

8.3. Company Market Positioning

8.4. Company Market Share Analysis

8.5. Company Heat Map Analysis

8.6. Strategy Mapping

8.6.1. Expansion

- 8.6.2. Mergers & Acquisition
- 8.6.3. Partnerships & Collaborations
- 8.6.4. New Product Launches
- 8.6.5. Research And Development
- 8.7. Company Profiles
 - 8.7.1. Cisco Systems
 - 8.7.1.1. Participant's Overview
 - 8.7.1.2. Financial Performance
 - 8.7.1.3. Product Benchmarking
 - 8.7.1.4. Recent Developments
 - 8.7.2. Aruba Networks
 - 8.7.2.1. Participant's Overview
 - 8.7.2.2. Financial Performance
 - 8.7.2.3. Product Benchmarking
 - 8.7.2.4. Recent Developments
 - 8.7.3. Huawei Technologies
 - 8.7.3.1. Participant's Overview
 - 8.7.3.2. Financial Performance
 - 8.7.3.3. Product Benchmarking
 - 8.7.3.4. Recent Developments
 - 8.7.4. Nokia Corporation
 - 8.7.4.1. Participant's Overview
 - 8.7.4.2. Financial Performance
 - 8.7.4.3. Product Benchmarking
 - 8.7.4.4. Recent Developments
 - 8.7.5. Juniper Networks
 - 8.7.5.1. Participant's Overview
 - 8.7.5.2. Financial Performance
 - 8.7.5.3. Product Benchmarking
 - 8.7.5.4. Recent Developments
 - 8.7.6. Colt Technology Services
 - 8.7.6.1. Participant's Overview
 - 8.7.6.2. Financial Performance
 - 8.7.6.3. Product Benchmarking
 - 8.7.6.4. Recent Developments
 - 8.7.7. Netcracker Inc.
 - 8.7.7.1. Participant's Overview
 - 8.7.7.2. Financial Performance
 - 8.7.7.3. Product Benchmarking

- 8.7.7.4. Recent Developments
- 8.7.8. Snadvine
 - 8.7.8.1. Participant's Overview
 - 8.7.8.2. Financial Performance
 - 8.7.8.3. Product Benchmarking
 - 8.7.8.4. Recent Developments
- 8.7.9. Loom Systems
 - 8.7.9.1. Participant's Overview
 - 8.7.9.2. Financial Performance
 - 8.7.9.3. Product Benchmarking
 - 8.7.9.4. Recent Developments
- 8.7.10. Aricent Inc.
 - 8.7.10.1. Participant's Overview
 - 8.7.10.2. Financial Performance
 - 8.7.10.3. Product Benchmarking
 - 8.7.10.4. Recent Developments
- 8.7.11. Aria Networks
 - 8.7.11.1. Participant's Overview
 - 8.7.11.2. Financial Performance
 - 8.7.11.3. Product Benchmarking
 - 8.7.11.4. Recent Developments
- 8.7.12. APCON Inc.
 - 8.7.12.1. Participant's Overview
 - 8.7.12.2. Financial Performance
 - 8.7.12.3. Product Benchmarking
 - 8.7.12.4. Recent Developments

List Of Tables

LIST OF TABLES

- Table 1 Global Intelligent Network Market by enterprise size, 2018 - 2030 (USD Billion)
- Table 2 Global Intelligent Network Market by application, 2018 - 2030 (USD Billion)
- Table 3 Global Intelligent Network Market by end-use, 2018 - 2030 (USD Billion)
- Table 4 Global Intelligent Network Market by region, 2018 - 2030 (USD Billion)
- Table 5 North America Intelligent Network Market by country, 2018 - 2030 (USD Billion)
- Table 6 Europe Intelligent Network Market by country, 2018 - 2030 (USD Billion)
- Table 7 Asia Pacific Intelligent Network Market by country, 2018 - 2030 (USD Billion)
- Table 8 Latin America Intelligent Network Market by country, 2018 - 2030 (USD Billion)
- Table 9 MEA Intelligent Network Market by country, 2018 - 2030 (USD Billion)
- Table 10 Key companies launching new products/services
- Table 11 Key companies engaged in mergers & acquisition
- Table 12 Key companies engaged in Research & development
- Table 13 Key Companies engaged in expansion

List Of Figures

LIST OF FIGURES

- Fig. 1 Ultralight and Light Aircraft Market Segmentation
- Fig. 2 Information Procurement
- Fig. 3 Data Analysis Models
- Fig. 4 Market Formulation and Validation
- Fig. 5 Data Validating & Publishing
- Fig. 6 Market Snapshot
- Fig. 7 Segment Snapshot (1/3)
- Fig. 8 Segment Snapshot (2/3)
- Fig. 9 Segment Snapshot (3/3)
- Fig. 10 Competitive Landscape Snapshot
- Fig. 11 Ultralight and Light Aircraft Market Value, 2023 - 2030 (USD Million)
- Fig. 12 Ultralight and Light Aircraft Market- Industry Value Chain Analysis
- Fig. 13 Market Dynamics
- Fig. 14 Key Market Driver Impact
- Fig. 15 Key Market Restraint/Challenges Impact
- Fig. 16 Ultralight and Light Aircraft Market: PORTER's Analysis
- Fig. 17 Ultralight and Light Aircraft Market: PESTEL Analysis
- Fig. 18 Ultralight and Light Aircraft Market, by Platform: Key Takeaways
- Fig. 19 Ultralight and Light Aircraft Market, by Platform: Market Share, 2023 & 2030
- Fig. 20 Light Aircraft Market Estimates & Forecasts, 2018 - 2030 (USD Million)
- Fig. 21 Ultralight Aircraft Market Estimates & Forecasts, 2018 - 2030 (USD Million)
- Fig. 22 Ultralight and Light Aircraft Market, by Operation: Key Takeaways
- Fig. 23 Ultralight and Light Aircraft Market, by Operation: Market Share, 2023 & 2030
- Fig. 24 CTOL Market Estimates & Forecasts, 2018 - 2030 (USD Million)
- Fig. 25 VTOL Market Estimates & Forecasts, 2018 - 2030 (USD Million)
- Fig. 26 Ultralight and Light Aircraft Market, by System: Key Takeaways
- Fig. 27 Ultralight and Light Aircraft Market, by System: Market Share, 2023 & 2030
- Fig. 28 Aerostructures Market Estimates & Forecasts, 2018 - 2030 (USD Million)
- Fig. 29 Avionics Market Estimates & Forecasts, 2018 - 2030 (USD Million)
- Fig. 30 Engine Market Estimates & Forecasts, 2018 - 2030 (USD Million)
- Fig. 31 Cabin Interiors Market Estimates & Forecasts, 2018 - 2030 (USD Million)
- Fig. 32 Landing Gear Market Estimates & Forecasts, 2018 - 2030 (USD Million)
- Fig. 33 Others Market Estimates & Forecasts, 2018 - 2030 (USD Million)
- Fig. 34 Ultralight and Light Aircraft Market, by Technology: Key Takeaways

- Fig. 35 Ultralight and Light Aircraft Market, by Technology: Market Share, 2023 & 2030
- Fig. 36 Manned Market Estimates & Forecasts, 2018 - 2030 (USD Million)
- Fig. 37 Unmanned Market Estimates & Forecasts, 2018 - 2030 (USD Million)
- Fig. 38 Ultralight and Light Aircraft Market, by End Use: Key Takeaways
- Fig. 39 Ultralight and Light Aircraft Market, by End Use: Market Share, 2023 & 2030
- Fig. 40 Civil Market Estimates & Forecasts, 2018 - 2030 (USD Million)
- Fig. 41 Military & Government Market Estimates & Forecasts, 2018 - 2030 (USD Million)
- Fig. 42 Ultralight and Light Aircraft Market by Region, 2023 & 2030, Revenue (USD Million)
- Fig. 43 Regional marketplace: Key takeaways
- Fig. 44 North America Ultralight and Light Aircraft Market Estimates & Forecast, 2018 - 2030 (USD Million)
- Fig. 45 U.S. Ultralight and Light Aircraft Market Estimates & Forecasts, 2018 - 2030 (USD Million)
- Fig. 46 Canada Ultralight and Light Aircraft Market Estimates & Forecasts, 2018 - 2030 (USD Million)
- Fig. 47 Mexico Ultralight and Light Aircraft Market Estimates & Forecasts, 2018 - 2030 (USD Million)
- Fig. 48 Europe Ultralight and Light Aircraft Market Estimates & Forecasts, 2018 - 2030 (USD Million)
- Fig. 49 Germany Ultralight and Light Aircraft Market Estimates & Forecasts, 2018 - 2030 (USD Million)
- Fig. 50 UK Ultralight and Light Aircraft Market Estimates & Forecasts, 2018 - 2030 (USD Million)
- Fig. 51 France Ultralight and Light Aircraft Market Estimates & Forecasts, 2018 - 2030 (USD Million)
- Fig. 52 Asia Pacific Ultralight and Light Aircraft Market Estimates & Forecasts, 2018 - 2030 (USD Million)
- Fig. 53 China Ultralight and Light Aircraft Market Estimates & Forecasts, 2018 - 2030 (USD Million)
- Fig. 54 India Ultralight and Light Aircraft Market Estimates & Forecasts, 2018 - 2030 (USD Million)
- Fig. 55 Japan Ultralight and Light Aircraft Market Estimates & Forecasts, 2018 - 2030 (USD Million)
- Fig. 56 South Korea Ultralight and Light Aircraft Market Estimates & Forecasts, 2018 - 2030 (USD Million)
- Fig. 57 Australia Ultralight and Light Aircraft Market Estimates & Forecasts, 2018 - 2030 (USD Million)
- Fig. 58 Latin America Ultralight and Light Aircraft Market Estimates & Forecasts, 2018 -

2030 (USD Million)

Fig. 59 Brazil Ultralight and Light Aircraft Market Estimates & Forecasts, 2018 - 2030
(USD Million)

Fig. 60 MEA Ultralight and Light Aircraft Market Estimates & Forecasts, 2018 - 2030
(USD Million)

Fig. 61 UAE Ultralight and Light Aircraft Market Estimates & Forecasts, 2018 - 2030
(USD Million)

Fig. 62 Saudi Arabia Ultralight and Light Aircraft Market Estimates & Forecasts, 2018 -
2030 (USD Million)

Fig. 63 South Africa Ultralight and Light Aircraft Market Estimates & Forecasts, 2018 -
2030 (USD Million)

Fig. 64 Key Company Categorization

Fig. 65 Company Market Positioning

Fig. 66 Strategic Framework

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