

Global Industrial Networking Solutions (INS) Market Size study & Forecast, by Technology (SD-WAN, WLAN, IIoT) by Application (Remote Monitoring, Predictive Maintenance, Emergency & Incident Management, Asset Tracking & Management, Supply Chain Management) and Regional Forecasts 2025-2035

<https://marketpublishers.com/r/G1D9DC28B35CEN.html>

Date: September 2025

Pages: 285

Price: US\$ 3,750.00 (Single User License)

ID: G1D9DC28B35CEN

Abstracts

Market Definition and Overview

The Global Industrial Networking Solutions (INS) Market is valued at approximately USD 35.1 billion in 2024 and is anticipated to expand at a CAGR of more than 20.20% during the forecast period of 2025-2035. Industrial Networking Solutions serve as the technological backbone enabling secure, reliable, and scalable connectivity across industrial ecosystems. These solutions interconnect machines, devices, and systems to accelerate data exchange, streamline operations, and foster real-time decision-making in industrial environments. With the Fourth Industrial Revolution reshaping how industries operate, INS has become indispensable in enabling predictive maintenance, autonomous production, and digitally augmented supply chains. The market's growth is fueled by the rapid adoption of Industry 4.0 initiatives, increasing IoT penetration across manufacturing and logistics, and the growing necessity for automation in industries facing rising cost pressures and operational complexities.

The demand for Industrial Networking Solutions is intensifying as industries strive to digitize and build resilient operations. Organizations are increasingly leveraging these solutions to connect their distributed assets and gain actionable insights from data. According to industry sources, the number of industrial IoT connections globally is

projected to surpass tens of billions by the end of this decade, reflecting the accelerating momentum of connected ecosystems. The need for low-latency communication, particularly in mission-critical environments such as emergency management and predictive maintenance, has pushed enterprises to embrace SD-WAN and WLAN-based solutions. Additionally, the convergence of artificial intelligence with IIoT-based networks is paving new opportunities for enhanced operational visibility. However, the high upfront infrastructure costs and cybersecurity vulnerabilities remain a challenge, potentially slowing adoption in cost-sensitive industries over the forecast timeline.

The detailed segments and sub-segments included in the report are:

By Technology:

SD-WAN

WLAN

IIoT

By Application:

Remote Monitoring

Predictive Maintenance

Emergency & Incident Management

Asset Tracking & Management

Supply Chain Management

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

UAE

Saudi Arabia

South Africa

Rest of Middle East & Africa

Among technologies, IIoT (Industrial Internet of Things) is projected to dominate the market, capturing the largest market share during the forecast period. IIoT has rapidly evolved into the cornerstone of digital transformation, empowering industries with intelligent automation, predictive analytics, and enhanced supply chain coordination. Industries ranging from manufacturing to healthcare are increasingly embedding sensors and devices into assets, thereby generating actionable insights that optimize performance and minimize downtime. While IIoT leads in market adoption, SD-WAN is anticipated to be the fastest-growing sub-segment, driven by the rising need for robust, agile, and cost-efficient connectivity for distributed operations across industries.

In terms of revenue contribution, SD-WAN currently holds the lion's share of the market. The solution's scalability, cost efficiency, and ability to deliver secure and optimized performance across hybrid and cloud environments make it the preferred choice for enterprises operating in complex industrial settings. While WLAN maintains a strong foothold owing to its ubiquitous adoption in plant-floor connectivity and mobility-driven operations, SD-WAN stands out as the revenue leader due to its growing importance in enterprise-wide networking strategies. Its ability to seamlessly integrate remote sites with central systems while ensuring low latency and high reliability continues to make it the backbone of connected industrial networks.

The regional landscape of the Industrial Networking Solutions market underscores dynamic growth trajectories across geographies. North America is expected to dominate the market in 2025, benefiting from its advanced digital infrastructure, early adoption of Industry 4.0 technologies, and presence of major market players. The region's strong emphasis on predictive maintenance and remote monitoring has accelerated demand for sophisticated networking solutions. Meanwhile, Asia Pacific is poised to be the

fastest-growing region throughout the forecast period. The explosive industrial growth in China and India, coupled with rapid digitalization in manufacturing and supply chains, is creating fertile ground for INS adoption. Europe, driven by its stringent compliance frameworks and sustainability-focused manufacturing, continues to represent a steady growth opportunity, whereas Latin America and the Middle East & Africa are showing increasing adoption as industrial digitalization initiatives gain traction.

Major market players included in this report are:

Cisco Systems, Inc.

Huawei Technologies Co., Ltd.

Nokia Corporation

Siemens AG

Dell Technologies Inc.

IBM Corporation

Juniper Networks, Inc.

Rockwell Automation, Inc.

Hewlett Packard Enterprise Development LP

Arista Networks, Inc.

General Electric Company

Advantech Co., Ltd.

Schneider Electric SE

Ericsson AB

ABB Ltd.

Global Industrial Networking Solutions (INS) Market Report Scope:

Historical Data – 2023, 2024

Base Year for Estimation – 2024

Forecast period - 2025-2035

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent to up to 8 analysts' working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values for the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within the countries involved in the study. The report also provides detailed information about crucial aspects, such as driving factors and challenges, which will define the future growth of the market. Additionally, it incorporates potential opportunities in micro-markets for stakeholders to invest, along with a detailed analysis of the competitive landscape and product offerings of key players. The detailed segments and sub-segments of the market are explained below:

Key Takeaways:

Market Estimates & Forecast for 10 years from 2025 to 2035.

Annualized revenues and regional-level analysis for each market segment.

Detailed analysis of the 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 the competitive structure of the market.

Demand side and supply side analysis of the market.

Contents

CHAPTER 1. GLOBAL INDUSTRIAL NETWORKING SOLUTIONS (INS) MARKET REPORT SCOPE & METHODOLOGY

- 1.1. Research Objective
- 1.2. Research Methodology
 - 1.2.1. Forecast Model
 - 1.2.2. Desk Research
 - 1.2.3. Top Down and Bottom-Up Approach
- 1.3. Research Attributes
- 1.4. Scope of the Study
 - 1.4.1. Market Definition
 - 1.4.2. Market Segmentation
- 1.5. Research Assumption
 - 1.5.1. Inclusion & Exclusion
 - 1.5.2. Limitations
 - 1.5.3. Years Considered for the Study

CHAPTER 2. EXECUTIVE SUMMARY

- 2.1. CEO/CXO Standpoint
- 2.2. Strategic Insights
- 2.3. ESG Analysis
- 2.4. key Findings

CHAPTER 3. GLOBAL INDUSTRIAL NETWORKING SOLUTIONS (INS) MARKET FORCES ANALYSIS

- 3.1. Market Forces Shaping The Global Industrial Networking Solutions (INS) Market (2024-2035)
- 3.2. Drivers
 - 3.2.1. Rapid adoption of Industry 4.0 initiatives
 - 3.2.2. Increasing IoT penetration across manufacturing and logistics
- 3.3. Restraints
 - 3.3.1. High upfront infrastructure costs
- 3.4. Opportunities
 - 3.4.1. Growing necessity for automation

CHAPTER 4. GLOBAL INDUSTRIAL NETWORKING SOLUTIONS (INS) INDUSTRY ANALYSIS

- 4.1. Porter's 5 Forces Model
 - 4.1.1. Bargaining Power of Buyer
 - 4.1.2. Bargaining Power of Supplier
 - 4.1.3. Threat of New Entrants
 - 4.1.4. Threat of Substitutes
 - 4.1.5. Competitive Rivalry
- 4.2. Porter's 5 Force Forecast Model (2024-2035)
- 4.3. PESTEL Analysis
 - 4.3.1. Political
 - 4.3.2. Economical
 - 4.3.3. Social
 - 4.3.4. Technological
 - 4.3.5. Environmental
 - 4.3.6. Legal
- 4.4. Top Investment Opportunities
- 4.5. Top Winning Strategies (2025)
- 4.6. Market Share Analysis (2024-2025)
- 4.7. Global Pricing Analysis And Trends 2025
- 4.8. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL INDUSTRIAL NETWORKING SOLUTIONS (INS) MARKET SIZE & FORECASTS BY TECHNOLOGY 2025-2035

- 5.1. Market Overview
- 5.2. Global Industrial Networking Solutions (INS) Market Performance - Potential Analysis (2025)
- 5.3. SD-WAN
 - 5.3.1. Top Countries Breakdown Estimates & Forecasts, 2024-2035
 - 5.3.2. Market size analysis, by region, 2025-2035
- 5.4. WLAN
 - 5.4.1. Top Countries Breakdown Estimates & Forecasts, 2024-2035
 - 5.4.2. Market size analysis, by region, 2025-2035
- 5.5. IIoT
 - 5.5.1. Top Countries Breakdown Estimates & Forecasts, 2024-2035
 - 5.5.2. Market size analysis, by region, 2025-2035

CHAPTER 6. GLOBAL INDUSTRIAL NETWORKING SOLUTIONS (INS) MARKET SIZE & FORECASTS BY APPLICATION 2025-2035

- 6.1. Market Overview
- 6.2. Global Industrial Networking Solutions (INS) Market Performance - Potential Analysis (2025)
- 6.3. Remote Monitoring
 - 6.3.1. Top Countries Breakdown Estimates & Forecasts, 2024-2035
 - 6.3.2. Market size analysis, by region, 2025-2035
- 6.4. Predictive Maintenance
 - 6.4.1. Top Countries Breakdown Estimates & Forecasts, 2024-2035
 - 6.4.2. Market size analysis, by region, 2025-2035
- 6.5. Emergency & Incident Management
 - 6.5.1. Top Countries Breakdown Estimates & Forecasts, 2024-2035
 - 6.5.2. Market size analysis, by region, 2025-2035
- 6.6. Asset Tracking & Management
 - 6.6.1. Top Countries Breakdown Estimates & Forecasts, 2024-2035
 - 6.6.2. Market size analysis, by region, 2025-2035
- 6.7. Supply Chain Management
 - 6.7.1. Top Countries Breakdown Estimates & Forecasts, 2024-2035
 - 6.7.2. Market size analysis, by region, 2025-2035

CHAPTER 7. GLOBAL INDUSTRIAL NETWORKING SOLUTIONS (INS) MARKET SIZE & FORECASTS BY REGION 2025–2035

- 7.1. Growth Industrial Networking Solutions (INS) Market, Regional Market Snapshot
- 7.2. Top Leading & Emerging Countries
- 7.3. North America Industrial Networking Solutions (INS) Market
 - 7.3.1. U.S. Industrial Networking Solutions (INS) Market
 - 7.3.1.1. Technology breakdown size & forecasts, 2025-2035
 - 7.3.1.2. Application breakdown size & forecasts, 2025-2035
 - 7.3.2. Canada Industrial Networking Solutions (INS) Market
 - 7.3.2.1. Technology breakdown size & forecasts, 2025-2035
 - 7.3.2.2. Application breakdown size & forecasts, 2025-2035
- 7.4. Europe Industrial Networking Solutions (INS) Market
 - 7.4.1. UK Industrial Networking Solutions (INS) Market
 - 7.4.1.1. Technology breakdown size & forecasts, 2025-2035
 - 7.4.1.2. Application breakdown size & forecasts, 2025-2035
 - 7.4.2. Germany Industrial Networking Solutions (INS) Market

- 7.4.2.1. Technology breakdown size & forecasts, 2025-2035
- 7.4.2.2. Application breakdown size & forecasts, 2025-2035
- 7.4.3. France Industrial Networking Solutions (INS) Market
 - 7.4.3.1. Technology breakdown size & forecasts, 2025-2035
 - 7.4.3.2. Application breakdown size & forecasts, 2025-2035
- 7.4.4. Spain Industrial Networking Solutions (INS) Market
 - 7.4.4.1. Technology breakdown size & forecasts, 2025-2035
 - 7.4.4.2. Application breakdown size & forecasts, 2025-2035
- 7.4.5. Italy Industrial Networking Solutions (INS) Market
 - 7.4.5.1. Technology breakdown size & forecasts, 2025-2035
 - 7.4.5.2. Application breakdown size & forecasts, 2025-2035
- 7.4.6. Rest of Europe Industrial Networking Solutions (INS) Market
 - 7.4.6.1. Technology breakdown size & forecasts, 2025-2035
 - 7.4.6.2. Application breakdown size & forecasts, 2025-2035
- 7.5. Asia Pacific Industrial Networking Solutions (INS) Market
 - 7.5.1. China Industrial Networking Solutions (INS) Market
 - 7.5.1.1. Technology breakdown size & forecasts, 2025-2035
 - 7.5.1.2. Application breakdown size & forecasts, 2025-2035
 - 7.5.2. India Industrial Networking Solutions (INS) Market
 - 7.5.2.1. Technology breakdown size & forecasts, 2025-2035
 - 7.5.2.2. Application breakdown size & forecasts, 2025-2035
 - 7.5.3. Japan Industrial Networking Solutions (INS) Market
 - 7.5.3.1. Technology breakdown size & forecasts, 2025-2035
 - 7.5.3.2. Application breakdown size & forecasts, 2025-2035
 - 7.5.4. Australia Industrial Networking Solutions (INS) Market
 - 7.5.4.1. Technology breakdown size & forecasts, 2025-2035
 - 7.5.4.2. Application breakdown size & forecasts, 2025-2035
 - 7.5.5. South Korea Industrial Networking Solutions (INS) Market
 - 7.5.5.1. Technology breakdown size & forecasts, 2025-2035
 - 7.5.5.2. Application breakdown size & forecasts, 2025-2035
 - 7.5.6. Rest of APAC Industrial Networking Solutions (INS) Market
 - 7.5.6.1. Technology breakdown size & forecasts, 2025-2035
 - 7.5.6.2. Application breakdown size & forecasts, 2025-2035
- 7.6. Latin America Industrial Networking Solutions (INS) Market
 - 7.6.1. Brazil Industrial Networking Solutions (INS) Market
 - 7.6.1.1. Technology breakdown size & forecasts, 2025-2035
 - 7.6.1.2. Application breakdown size & forecasts, 2025-2035
 - 7.6.2. Mexico Industrial Networking Solutions (INS) Market
 - 7.6.2.1. Technology breakdown size & forecasts, 2025-2035

- 7.6.2.2. Application breakdown size & forecasts, 2025-2035
- 7.7. Middle East and Africa Industrial Networking Solutions (INS) Market
 - 7.7.1. UAE Industrial Networking Solutions (INS) Market
 - 7.7.1.1. Technology breakdown size & forecasts, 2025-2035
 - 7.7.1.2. Application breakdown size & forecasts, 2025-2035
 - 7.7.2. Saudi Arabia (KSA) Industrial Networking Solutions (INS) Market
 - 7.7.2.1. Technology breakdown size & forecasts, 2025-2035
 - 7.7.2.2. Application breakdown size & forecasts, 2025-2035
 - 7.7.3. South Africa Industrial Networking Solutions (INS) Market
 - 7.7.3.1. Technology breakdown size & forecasts, 2025-2035
 - 7.7.3.2. Application breakdown size & forecasts, 2025-2035

CHAPTER 8. COMPETITIVE INTELLIGENCE

- 8.1. Top Market Strategies
- 8.2. Cisco Systems, Inc.
 - 8.2.1. Company Overview
 - 8.2.2. Key Executives
 - 8.2.3. Company Snapshot
 - 8.2.4. Financial Performance (Subject to Data Availability)
 - 8.2.5. Product/Services Port
 - 8.2.6. Recent Development
 - 8.2.7. Market Strategies
 - 8.2.8. SWOT Analysis
- 8.3. Huawei Technologies Co., Ltd.
- 8.4. Nokia Corporation
- 8.5. Siemens AG
- 8.6. Dell Technologies Inc.
- 8.7. IBM Corporation
- 8.8. Juniper Networks, Inc.
- 8.9. Rockwell Automation, Inc.
- 8.10. Hewlett Packard Enterprise Development LP
- 8.11. Arista Networks, Inc.
- 8.12. General Electric Company
- 8.13. Advantech Co., Ltd.
- 8.14. Schneider Electric SE
- 8.15. Ericsson AB
- 8.16. ABB Ltd.

List Of Tables

LIST OF TABLES

- Table 1. Global Industrial Networking Solutions (INS) Market, Report Scope
- Table 2. Global Industrial Networking Solutions (INS) Market Estimates & Forecasts By Region 2024–2035
- Table 3. Global Industrial Networking Solutions (INS) Market Estimates & Forecasts By Segment 2024–2035
- Table 4. Global Industrial Networking Solutions (INS) Market Estimates & Forecasts By Segment 2024–2035
- Table 5. Global Industrial Networking Solutions (INS) Market Estimates & Forecasts By Segment 2024–2035
- Table 6. Global Industrial Networking Solutions (INS) Market Estimates & Forecasts By Segment 2024–2035
- Table 7. Global Industrial Networking Solutions (INS) Market Estimates & Forecasts By Segment 2024–2035
- Table 8. U.S. Industrial Networking Solutions (INS) Market Estimates & Forecasts, 2024–2035
- Table 9. Canada Industrial Networking Solutions (INS) Market Estimates & Forecasts, 2024–2035
- Table 10. UK Industrial Networking Solutions (INS) Market Estimates & Forecasts, 2024–2035
- Table 11. Germany Industrial Networking Solutions (INS) Market Estimates & Forecasts, 2024–2035
- Table 12. France Industrial Networking Solutions (INS) Market Estimates & Forecasts, 2024–2035
- Table 13. Spain Industrial Networking Solutions (INS) Market Estimates & Forecasts, 2024–2035
- Table 14. Italy Industrial Networking Solutions (INS) Market Estimates & Forecasts, 2024–2035
- Table 15. Rest Of Europe Industrial Networking Solutions (INS) Market Estimates & Forecasts, 2024–2035
- Table 16. China Industrial Networking Solutions (INS) Market Estimates & Forecasts, 2024–2035
- Table 17. India Industrial Networking Solutions (INS) Market Estimates & Forecasts, 2024–2035
- Table 18. Japan Industrial Networking Solutions (INS) Market Estimates & Forecasts, 2024–2035

Table 19. Australia Industrial Networking Solutions (INS) Market Estimates & Forecasts, 2024–2035

Table 20. South Korea Industrial Networking Solutions (INS) Market Estimates & Forecasts, 2024–2035

.....

List Of Figures

LIST OF FIGURES

Fig 1. Global Industrial Networking Solutions (INS) Market, Research Methodology

Fig 2. Global Industrial Networking Solutions (INS) Market, Market Estimation Techniques

Fig 3. Global Market Size Estimates & Forecast Methods

Fig 4. Global Industrial Networking Solutions (INS) Market, Key Trends 2025

Fig 5. Global Industrial Networking Solutions (INS) Market, Growth Prospects 2024–2035

Fig 6. Global Industrial Networking Solutions (INS) Market, Porter's Five Forces Model

Fig 7. Global Industrial Networking Solutions (INS) Market, Pestel Analysis

Fig 8. Global Industrial Networking Solutions (INS) Market, Value Chain Analysis

Fig 9. Industrial Networking Solutions (INS) Market By Application, 2025 & 2035

Fig 10. Industrial Networking Solutions (INS) Market By Segment, 2025 & 2035

Fig 11. Industrial Networking Solutions (INS) Market By Segment, 2025 & 2035

Fig 12. Industrial Networking Solutions (INS) Market By Segment, 2025 & 2035

Fig 13. Industrial Networking Solutions (INS) Market By Segment, 2025 & 2035

Fig 14. North America Industrial Networking Solutions (INS) Market, 2025 & 2035

Fig 15. Europe Industrial Networking Solutions (INS) Market, 2025 & 2035

Fig 16. Asia Pacific Industrial Networking Solutions (INS) Market, 2025 & 2035

Fig 17. Latin America Industrial Networking Solutions (INS) Market, 2025 & 2035

Fig 18. Middle East & Africa Industrial Networking Solutions (INS) Market, 2025 & 2035

Fig 19. Global Industrial Networking Solutions (INS) Market, Company Market Share Analysis (2025)

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