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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

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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

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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

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- Canada

Europe

- UK
- Germany
- France
- Spain
- Italy
- ROE

Asia Pacific

- China
- India
- Japan
- Australia
- South Korea
- RoAPAC

Latin America

- Brazil
- Mexico

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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

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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.

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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.

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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.

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CHAPTER 8. COMPETITIVE INTELLIGENCE

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