

North America Industrial Networking Solution Market Report (2021-2031) by Scope, Segmentation, Dynamics, and Competitive Analysis

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Abstracts

The North America industrial networking solution market is projected to grow significantly, reaching approximately US\$ 35,187.21 million by 2031, up from US\$ 8,523.25 million in 2023, reflecting a compound annual growth rate (CAGR) of 19.4% during this period.

Executive Summary and Market Analysis

The North American market is experiencing robust growth and holds a substantial share in the industrial networking solutions sector, positioning itself as a key player in the global landscape. The United States, in particular, is leading the charge in adopting advanced technologies such as industrial automation, the Internet of Things (IoT), and Industry 4.0. This trend has created a heightened demand for industrial networking solutions that ensure efficient connectivity and data exchange within these sophisticated technological frameworks.

Major companies like Cisco Systems Inc., Juniper Networks Inc., Rockwell Automation, and Sierra Wireless are pivotal in driving innovation and market growth. These firms utilize their expertise to provide tailored networking solutions that meet the specific needs of various industries in the region.

The advent of 5G and Wi-Fi 6/6E technologies has revolutionized communication in control operations, enabling real-time interactions that were previously reliant on wired connections or custom wireless solutions. This technological shift presents new opportunities for industrial automation and smart manufacturing in North America. The integration of wireless technology into industrial automation systems offers numerous

advantages, including cost savings from reduced wiring, improved access to plant data, enhanced productivity, and better asset management. Consequently, the adoption of wireless technologies in industrial automation is anticipated to rise, further propelling the growth of the industrial networking solutions market.

Market Segmentation Analysis

The North America industrial networking solution market can be segmented based on components, deployment methods, connectivity types, and end-use industries:

- Components: The market is divided into hardware, software, and services, with hardware dominating the market share in 2023.
- Deployment: The solutions are categorized into on-premise and cloud deployments, with on-premise solutions holding a larger market share.
- Connectivity: The market is split into wired and wireless connectivity, where wired solutions currently lead.
- End-Use Industries: Key sectors include automotive, banking, financial services, insurance (BFSI), manufacturing, telecommunications, logistics, and transportation, with manufacturing being the largest segment in 2023.

Market Outlook

The increasing demand for predictive maintenance is a significant driver of the industrial networking solutions market. These solutions enable real-time monitoring and predictive analytics, allowing organizations to optimize maintenance schedules and reduce downtime. By leveraging technologies such as the Industrial Internet of Things (IIoT) and advanced data analytics, companies can foresee potential equipment failures, facilitating timely repairs and minimizing unexpected breakdowns. This proactive approach enhances operational efficiency and leads to substantial cost savings.

Industrial networking solutions are essential for ensuring reliable communication and connectivity within industrial operations, playing a crucial role in optimizing processes and enabling real-time control and monitoring. The rising need for predictive maintenance is expected to further stimulate market growth as organizations increasingly seek to implement these solutions for improved operational performance.

Country Insights

The North American industrial networking solution market includes the US, Canada, and Mexico, with the US holding the largest market share in 2023. The US manufacturing

sector is undergoing a transformation driven by a growing reliance on data for decision-making. The convergence of operational technology (OT) and information technology (IT) is anticipated to create new opportunities for the industrial networking solutions market in the US. As OT and IT systems merge, the risk of OT cyberattacks increases, posing significant challenges for manufacturing firms.

Historically, manufacturing networks and enterprise IT systems operated in separate domains. However, the rise of the IIoT has blurred these lines, necessitating a more integrated approach. Key players in the region are focusing on technological advancements and product innovations. For example, in January 2022, Cisco expanded its Catalyst 9000 portfolio to enhance enterprise-grade switching capabilities for industries operating in challenging environments, such as utilities and oil and gas.

Company Profiles

Key market participants include ABB Ltd, Belden Inc, Cisco Systems Inc, Hewlett Packard Enterprise, Huawei Technologies, Moxa Inc., Nokia Corp, Rockwell Automation Inc, Semtech Corp, and Siemens AG. These companies are pursuing various strategies, including expansion, product innovation, and mergers and acquisitions, to enhance their offerings and increase market share.

Reason to buy

Save and reduce time carrying out entry-level research by identifying the growth, size, leading players, and segments in the North America industrial networking solution market.

Highlights key business priorities in order to assist companies to realign their business strategies.

The key findings and recommendations highlight crucial progressive industry trends in North America industrial networking solution market, thereby allowing players across the value chain to develop effective long-term strategies.

Develop/modify business expansion plans by using substantial growth offering developed and emerging markets.

Scrutinize in-depth North America market trends and outlook coupled with the factors driving the industrial networking solution market, as well as those

hindering it.

Enhance the decision-making process by understanding the strategies that underpin security interest with respect to client products, segmentation, pricing, and distribution.

Companies

ABB Ltd

Belden Inc

Cisco Systems Inc

Hewlett Packard Enterprise Development LP

Huawei Technologies Co Ltd

Moxa Inc.

Nokia Corp

Rockwell Automation Inc

Semtech Corp

Siemens AG

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