

# **Global Industrial Networking Solutions Market Size study, by Component (Hardware, Software, Services), by Connectivity (Wired, Wireless), by Application (Industrial Ethernet, Fieldbus Networks, Industrial Wireless, Cloud & Edge Computing), by Industry (Manufacturing, Automotive, BFSI, Oil & Gas, Utilities, Transportation & Logistics, Water & Wastewater Management, Mining, Others) and Regional Forecasts 2022-2032**

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## **Abstracts**

Global Industrial Networking Solutions Market is valued at approximately USD 26.57 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 14.21% over the forecast period 2024-2032. Industrial networking solutions refer to the systems and technologies designed to connect, monitor, and manage industrial devices and systems within a manufacturing or production environment. These solutions facilitate real-time data exchange, improve operational efficiency, and enable predictive maintenance through robust and secure communication networks. Applications include automation, remote monitoring, and control of machinery, enhancing productivity and reducing downtime. They are crucial in sectors such as manufacturing, energy, and transportation, ensuring seamless integration of IoT devices and industrial processes. The Global Industrial Networking Solutions Market is driven by rising demand for security testing suites in industrial networks, the proliferation of cloud computing, and the adoption of industrial automation technologies. In the modern industrial landscape, security testing suites have become indispensable, given the increasing threats posed by cyber-attacks. Businesses are investing significantly in advanced security solutions to safeguard their industrial systems from potential breaches, ensuring the integrity and

reliability of their operations. Additionally, the advent of Industry 4.0 initiatives and smart manufacturing has further propelled the demand for comprehensive networking solutions that can support interconnected and automated industrial processes. The integration of IoT and wireless communication technologies has revolutionized industrial automation, enabling real-time data collection and analysis, thus fostering improved decision-making and process optimization. However, reliance on legacy equipment and infrastructure and interoperability issues is going to impede the overall demand for the market during the forecast period 2024-2032.

The key regions considered for the Global Industrial Networking Solutions Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. In 2023, Asia Pacific region was the dominating among regional market in terms of revenue owing to factors such as robust industrial base, technological advancements, and continuous innovations in industrial automation and IoT. Diverse sectors such as manufacturing, oil & gas, automotive, and aerospace in the region heavily rely on these solutions to enhance operational efficiency and safety. Furthermore, the adoption of Industry 4.0 principles in the Asia Pacific region amplifies the need for interconnected systems, driving market growth as industries embrace digital transformation to stay competitive and meet evolving demands.

Major market players included in this report are:

Advantech Co., Ltd.

Belden Inc.

Cisco Systems, Inc.

Eaton Corporation

Emerson Electric Co.

Honeywell International Inc.

Huawei Technologies Co., Ltd.

Mitsubishi Electric Corporation

Schneider Electric

Siemens AG

The detailed segments and sub-segment of the market are explained below:

By Component:

- Hardware
- Software
- Services

By Connectivity:

- Wired
- Wireless

By Application:

- Industrial Ethernet

- Fieldbus Networks
- Industrial Wireless
- Cloud & Edge Computing

By Industry:

- Manufacturing
- Automotive
- BFSI
- Oil & Gas
- Utilities
- Transportation & Logistics
- Water & Wastewater Management
- Mining
- Others

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
- RoLA

Middle East & Africa

- Saudi Arabia
- South Africa
- RoMEA

Years considered for the study are as follows:

- Historical year – 2022
- Base year – 2023
- Forecast period – 2024 to 2032

Key Takeaways:

- Market Estimates & Forecast for 10 years from 2022 to 2032.
- Annualized revenues and regional level analysis for each market segment.
- Detailed analysis of 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 competitive structure of the market.
- Demand side and supply side analysis of the market

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