

# **Global Industrial Wireline Networking Market to reach USD 17.05 billion by 2032.**

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## **Abstracts**

The Global Industrial Wireline Networking Market, valued at approximately USD 6.56 billion in 2023, is poised to expand at a CAGR of 11.2% throughout the forecast period from 2024 to 2032. As industries progressively transition towards digitalization, the demand for reliable, high-speed, and secure networking solutions has surged significantly. Industrial wireline networking has become a fundamental component in manufacturing, automation, oil & gas, power generation, and transportation sectors, providing robust communication infrastructures to support industrial operations. With increasing emphasis on Industry 4.0, IIoT (Industrial Internet of Things), and smart manufacturing, businesses are deploying wired connectivity solutions such as Industrial Ethernet and Fieldbus to ensure seamless data exchange, automation efficiency, and real-time monitoring across production facilities.

The widespread adoption of industrial automation and smart factories is driving the integration of high-speed wireline networks across various sectors. Companies are leveraging Industrial Ethernet solutions to enhance operational productivity, streamline processes, and improve cybersecurity against evolving threats. Moreover, the on-premise deployment of wireline networking solutions remains dominant, as industries prioritize low-latency, high-security, and interference-free connectivity in mission-critical applications. However, cloud-based deployments are witnessing substantial traction due to their scalability, cost-effectiveness, and remote accessibility, particularly in industries that require seamless data storage and real-time analytics.

Despite the growing demand, challenges such as high initial investment costs, network complexity, and concerns regarding cybersecurity vulnerabilities pose potential restraints on market expansion. Furthermore, the interoperability issues between legacy and modern networking infrastructure continue to hinder seamless transitions for

industries upgrading their connectivity frameworks. However, advancements in fiber-optic communication, software-defined networking (SDN), and AI-driven network management are expected to mitigate these challenges, fostering enhanced adoption of industrial wireline networking solutions globally. Additionally, government initiatives promoting industrial automation, digital transformation, and smart grid development are anticipated to create lucrative opportunities for market players.

From a regional perspective, North America currently dominates the market, driven by early adoption of Industry 4.0, strong government support for digital transformation, and the presence of key industrial automation players. The United States, in particular, is at the forefront, with a robust demand for Industrial Ethernet solutions across automotive, manufacturing, and oil & gas sectors. Europe follows closely, with countries like Germany and France emphasizing industrial digitalization, energy efficiency, and smart infrastructure projects. Meanwhile, Asia Pacific is projected to experience the highest growth rate, fueled by rapid industrialization, increasing foreign investments in manufacturing, and the expansion of IIoT-driven automation in China, India, and Japan. The Latin American and Middle Eastern regions are also poised for steady growth as governments and industries emphasize modernizing legacy industrial infrastructure and improving operational efficiencies through advanced networking solutions.

Major market players included in this report are:

Cisco Systems, Inc.

Siemens AG

Rockwell Automation, Inc.

Schneider Electric SE

ABB Ltd.

General Electric Company

Belden Inc.

Huawei Technologies Co., Ltd.

Moxa Inc.

Advantech Co., Ltd.

Phoenix Contact GmbH & Co. KG

Eaton Corporation plc

Hitachi, Ltd.

Yokogawa Electric Corporation

Omron Corporation

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

By Application:

Industrial Ethernet

Fieldbus

By Deployment:

On-premise

Cloud

By Region:

North America

U.S.

Canada

## Europe

UK

Germany

France

Spain

Italy

Rest of Europe (RoE)

## Asia Pacific

China

India

Japan

Australia

South Korea

Rest of Asia Pacific (RoAPAC)

## Latin America

Brazil

Mexico

Rest of Latin America

## Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa (RoMEA)

Years considered for the study are as follows:

Historical Year: 2022, 2023

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 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 competitive structure of the market.

Demand-side and supply-side analysis of the market.

## Contents

### **CHAPTER 1.GLOBAL INDUSTRIAL WIRELINE NETWORKING MARKET EXECUTIVE SUMMARY**

- 1.1.Global Industrial Wireline Networking Market Size & Forecast (2022-2032)
- 1.2.Regional Summary
- 1.3.Segmental Summary
  - 1.3.1.By Application
  - 1.3.2.By Deployment
- 1.4.Key Trends
- 1.5.Recession Impact
- 1.6.Analyst Recommendation & Conclusion

### **CHAPTER 2.GLOBAL INDUSTRIAL WIRELINE NETWORKING MARKET DEFINITION AND RESEARCH ASSUMPTIONS**

- 2.1.Research Objective
- 2.2.Market Definition
- 2.3.Research Assumptions
  - 2.3.1.Inclusion & Exclusion
  - 2.3.2.Limitations
  - 2.3.3.Supply Side Analysis
    - 2.3.3.1.Availability
    - 2.3.3.2.Infrastructure
    - 2.3.3.3.Regulatory Environment
    - 2.3.3.4.Market Competition
    - 2.3.3.5.Economic Viability (Consumer's Perspective)
  - 2.3.4.Demand Side Analysis
    - 2.3.4.1.Regulatory Frameworks
    - 2.3.4.2.Technological Advancements
    - 2.3.4.3.Environmental Considerations
    - 2.3.4.4.Consumer Awareness & Acceptance
- 2.4.Estimation Methodology
- 2.5.Years Considered for the Study
- 2.6.Currency Conversion Rates

### **CHAPTER 3.GLOBAL INDUSTRIAL WIRELINE NETWORKING MARKET DYNAMICS**

*Global Industrial Wireline Networking Market to reach USD 17.05 billion by 2032.*

### 3.1. Market Drivers

- 3.1.1. Growing Demand for Digitalization and IIoT
- 3.1.2. Increasing Adoption of Industrial Ethernet for Automation
- 3.1.3. Rising Investments in Smart Manufacturing

### 3.2. Market Challenges

- 3.2.1. High Initial Investment Costs and Network Complexity
- 3.2.2. Interoperability Issues Between Legacy and Modern Infrastructure

### 3.3. Market Opportunities

- 3.3.1. Advancements in Fiber-optic Communication, SDN, and AI-driven Network Management
- 3.3.2. Government Initiatives Promoting Digital Transformation and Smart Grid Development
- 3.3.3. Increasing Focus on Cybersecurity Enhancements

## **CHAPTER 4. GLOBAL INDUSTRIAL WIRELINE NETWORKING MARKET INDUSTRY ANALYSIS**

### 4.1. Porter's 5 Force Model

- 4.1.1. Bargaining Power of Suppliers
- 4.1.2. Bargaining Power of Buyers
- 4.1.3. Threat of New Entrants
- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry
- 4.1.6. Futuristic Approach to Porter's 5 Force Model
- 4.1.7. Porter's 5 Force Impact Analysis

### 4.2. PESTEL Analysis

- 4.2.1. Political
- 4.2.2. Economical
- 4.2.3. Social
- 4.2.4. Technological
- 4.2.5. Environmental
- 4.2.6. Legal

### 4.3. Top Investment Opportunity

### 4.4. Top Winning Strategies

### 4.5. Disruptive Trends

### 4.6. Industry Expert Perspective

### 4.7. Analyst Recommendation & Conclusion

## **CHAPTER 5.GLOBAL INDUSTRIAL WIRELINE NETWORKING MARKET SIZE & FORECASTS BY APPLICATION 2022-2032**

### 5.1.Segment Dashboard

### 5.2.Global Industrial Wireline Networking Market: Application Revenue Trend Analysis, 2022 & 2032 (USD Billion)

#### 5.2.1.Industrial Ethernet

#### 5.2.2.Fieldbus

## **CHAPTER 6.GLOBAL INDUSTRIAL WIRELINE NETWORKING MARKET SIZE & FORECASTS BY DEPLOYMENT 2022-2032**

### 6.1.Segment Dashboard

### 6.2.Global Industrial Wireline Networking Market: Deployment Revenue Trend Analysis, 2022 & 2032 (USD Billion)

#### 6.2.1.On-premise

#### 6.2.2.Cloud

## **CHAPTER 7.GLOBAL INDUSTRIAL WIRELINE NETWORKING MARKET SIZE & FORECASTS BY REGION 2022-2032**

### 7.1.North America Industrial Wireline Networking Market

#### 7.1.1.U.S. Industrial Wireline Networking Market

##### 7.1.1.1.Application Breakdown & Forecasts, 2022-2032

##### 7.1.1.2.Deployment Breakdown & Forecasts, 2022-2032

#### 7.1.2.Canada Industrial Wireline Networking Market

### 7.2.Europe Industrial Wireline Networking Market

#### 7.2.1.U.K. Industrial Wireline Networking Market

#### 7.2.2.Germany Industrial Wireline Networking Market

#### 7.2.3.France Industrial Wireline Networking Market

#### 7.2.4.Spain Industrial Wireline Networking Market

#### 7.2.5.Italy Industrial Wireline Networking Market

#### 7.2.6.Rest of Europe (RoE) Industrial Wireline Networking Market

### 7.3.Asia-Pacific Industrial Wireline Networking Market

#### 7.3.1.China Industrial Wireline Networking Market

#### 7.3.2.India Industrial Wireline Networking Market

#### 7.3.3.Japan Industrial Wireline Networking Market

#### 7.3.4.Australia Industrial Wireline Networking Market

#### 7.3.5.South Korea Industrial Wireline Networking Market



- 7.3.6. Rest of Asia-Pacific (RoAPAC) Industrial Wireline Networking Market
- 7.4. Latin America Industrial Wireline Networking Market
  - 7.4.1. Brazil Industrial Wireline Networking Market
  - 7.4.2. Mexico Industrial Wireline Networking Market
  - 7.4.3. Rest of Latin America Industrial Wireline Networking Market
- 7.5. Middle East & Africa Industrial Wireline Networking Market
  - 7.5.1. Saudi Arabia Industrial Wireline Networking Market
  - 7.5.2. South Africa Industrial Wireline Networking Market
  - 7.5.3. Rest of Middle East & Africa (RoMEA) Industrial Wireline Networking Market

## **CHAPTER 8. COMPETITIVE INTELLIGENCE**

- 8.1. Key Company SWOT Analysis
  - 8.1.1. Cisco Systems, Inc.
  - 8.1.2. Siemens AG
  - 8.1.3. Rockwell Automation, Inc.
- 8.2. Top Market Strategies
- 8.3. Company Profiles
  - 8.3.1. Cisco Systems, Inc.
    - 8.3.1.1. Key Information
    - 8.3.1.2. Overview
    - 8.3.1.3. Financial (Subject to Data Availability)
    - 8.3.1.4. Product Summary
    - 8.3.1.5. Market Strategies
  - 8.3.2. Siemens AG
  - 8.3.3. Rockwell Automation, Inc.
  - 8.3.4. Schneider Electric SE
  - 8.3.5. ABB Ltd.
  - 8.3.6. General Electric Company
  - 8.3.7. Belden Inc.
  - 8.3.8. Huawei Technologies Co., Ltd.
  - 8.3.9. Moxa Inc.
  - 8.3.10. Advantech Co., Ltd.
  - 8.3.11. Phoenix Contact GmbH & Co. KG
  - 8.3.12. Eaton Corporation plc
  - 8.3.13. Hitachi, Ltd.
  - 8.3.14. Yokogawa Electric Corporation
  - 8.3.15. Omron Corporation

## **CHAPTER 9.RESEARCH PROCESS**

### 9.1.Research Process

#### 9.1.1.Data Mining

#### 9.1.2.Analysis

#### 9.1.3.Market Estimation

#### 9.1.4.Validation

#### 9.1.5.Publishing

### 9.2.Research Attributes

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