+357 96 030922
info@marketpublishers.com

IO-Link Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025-2034

https://marketpublishers.com/r/I25B331D6CB1EN.html
Date: February 2025
Pages: 200
Price: US$ 4,850.00 (Single User License)
ID: I25B331D6CB1EN

Abstracts

The Global IO-Link Market reached USD 15.7 billion in 2024 and is expected to grow at a CAGR of 25.5% from 2025 to 2034. The increasing adoption of IO-Link technology is driven by its expanding role in sensor management, predictive maintenance, operational efficiency, and sustainability efforts. Industries are integrating IO-Link to enhance automation, optimize performance, and improve real-time data collection. The demand for smart manufacturing solutions is increasing, and IO-Link's ability to enable seamless communication between devices makes it a vital component of industrial automation. The need for precise monitoring, control, and diagnostics in industrial processes continues to grow, fueling the demand for IO-Link systems.

The market is segmented by type into IO-Link wired and IO-Link wireless, with the wired segment generating USD 8.5 billion in 2024. Wired IO-Link is a short-distance communication protocol that enables efficient data collection from sensors and actuators through a secure, bi-directional, point-to-point connection. It relies on cables to connect devices to the IO-Link master, ensuring seamless data transmission and control. Known for its stability and lower susceptibility to security breaches or external interference, wired IO-Link is widely used in industrial automation. Companies favor this technology due to its reliability and ability to integrate smoothly with existing industrial networks.

The market is categorized by components into IO-Link master, IO-Link devices, IO-Link hubs, cables & connectors, and others. IO-Link master is projected to hold a 24% share in 2024. The master ensures digital signal transmission between programmable logic controllers, parameter-setting software, and connected devices. It facilitates communication between sensors, actuators, and control systems to streamline industrial processes. The master connects to sensors via unshielded cables up to 20 meters long

+357 96 030922
info@marketpublishers.com

and can be installed either in the control cabinet or directly in the field. IO-Link devices, such as sensors and actuators, enhance automation by providing bidirectional data exchange, ensuring efficient industrial operations.

U.S. IO-Link market accounted for USD 3.4 billion in 2024, supported by advancements in manufacturing automation, Industry 4.0 initiatives, and the growing adoption of smart factories. Companies are leveraging IO-Link to optimize operational management and streamline industrial processes. The technology is gaining traction in sectors such as food and beverage, automotive, oil and gas, and electronics. The focus on improving operational efficiency is a key driver as businesses seek to implement predictive maintenance strategies to reduce downtime and enhance productivity.

+357 96 030922
info@marketpublishers.com

Contents

CHAPTER 1 METHODOLOGY & SCOPE

1.1 Market scope & definitions
1.2 Base estimates & calculations
1.3 Forecast calculations
1.4 Data sources
  1.4.1 Primary
  1.4.2 Secondary
    1.4.2.1 Paid sources
    1.4.2.2 Public sources

CHAPTER 2 EXECUTIVE SUMMARY

2.1 Industry synopsis, 2021-2034

CHAPTER 3 INDUSTRY INSIGHTS

3.1 Industry ecosystem analysis
  3.1.1 Factor affecting the value chain
  3.1.2 Profit margin analysis
  3.1.3 Disruptions
  3.1.4 Future outlook
  3.1.5 Manufacturers
  3.1.6 Distributors
3.2 Supplier landscape
3.3 Profit margin analysis
3.4 Key news & initiatives
3.5 Regulatory landscape
3.6 Impact forces
  3.6.1 Growth drivers
    3.6.1.1 Expanding use of IO-Link in sensor management and predictive maintenance
    3.6.1.2 Enhanced operational efficiency and driving sustainability
    3.6.1.3 Increased integration of IO-link in IoT and edge computing applications
    3.6.1.4 Standardization and interoperability benefits driving market adoption
  3.6.2 Industry pitfalls & challenges
    3.6.2.1 High initial implementation costs for legacy system upgrades
    3.6.2.2 Compatibility challenges with existing industrial protocols

+357 96 030922
info@marketpublishers.com

3.7 Growth potential analysis
3.8 Porter’s analysis
3.9 PESTEL analysis

CHAPTER 4 COMPETITIVE LANDSCAPE, 2024

4.1 Introduction
4.2 Company market share analysis
4.3 Competitive positioning matrix
4.4 Strategic outlook matrix

CHAPTER 5 MARKET ESTIMATES & FORECAST, BY TYPE, 2021-2034 (USD MILLION)

5.1 Key trends
5.2 IO-Link wired
5.3 IO-Link wireless

CHAPTER 6 MARKET ESTIMATES & FORECAST, BY COMPONENT, 2021-2034 (USD MILLION)

6.1 Key trends
6.2 IO-Link master
6.3 IO-Link device
6.4 Cables & connectors
6.5 IO-Link hubs
6.6 Others

CHAPTER 7 MARKET ESTIMATES & FORECAST, BY APPLICATION, 2021-2034 (USD MILLION)

7.1 Key trends
7.2 Machine tool
7.3 Assembly line
7.4 Intralogistics
7.5 Packaging
7.6 Others

CHAPTER 8 MARKET ESTIMATES & FORECAST, BY END USE, 2021-2034 (USD

+357 96 030922
info@marketpublishers.com

MILLION)

8.1 Key trends
8.2 Electronics
8.3 Automotive
8.4 Food & beverages
8.5 Oil & Gas
8.6 Pharmaceutical
8.7 Others

CHAPTER 9 MARKET ESTIMATES & FORECAST, BY REGION, 2021-2034 (USD MILLION)

9.1 Key trends
9.2 North America
  9.2.1 U.S.
  9.2.2 Canada
9.3 Europe
  9.3.1 UK
  9.3.2 Germany
  9.3.3 France
  9.3.4 Italy
  9.3.5 Spain
  9.3.6 Russia
9.4 Asia Pacific
  9.4.1 China
  9.4.2 India
  9.4.3 Japan
  9.4.4 South Korea
  9.4.5 Australia
9.5 Latin America
  9.5.1 Brazil
  9.5.2 Mexico
9.6 MEA
  9.6.1 South Africa
  9.6.2 Saudi Arabia
  9.6.3 UAE

CHAPTER 10 COMPANY PROFILES

+357 96 030922
info@marketpublishers.com

10.1 Autonics Corporation
10.2 Balluf GmbH
10.3 Banner Engineering
10.4 Baumer Engineering
10.5 Belden Inc.
10.6 Emerson Electric co.
10.7 Festo SE & Co. KG
10.8 Hans Turck GmbH & Co. KG
10.9 ifm electronic GmbH
10.10 OMRON Corporation
10.11 Pepperl +fuchs
10.12 Rockwell Automation
10.13 SICK AG
10.14 Siemens AG
10.15 SMC Corporation
10.16 STMicroelectronics
10.17 WAGO Group

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: IO-Link Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025-2034

Product link: https://marketpublishers.com/r/I25B331D6CB1EN.html

Price: US$ 4,850.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/I25B331D6CB1EN.html