

Global Industrial Multiprotocol Gateways Market Size Study, by Application (Remote Monitoring, Product Optimization, Preventive Maintenance), by End-User (Process Industries, Discrete Industries) and Regional Forecasts 2022-2032

<https://marketpublishers.com/r/GE118E2B6A47EN.html>

Date: September 2024

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: GE118E2B6A47EN

Abstracts

Global Industrial Multiprotocol Gateways Market is valued at approximately USD 380.70 million in 2023 and is projected to grow at a healthy compound annual growth rate (CAGR) of 11.22% over the forecast period 2024-2032. Industrial multiprotocol gateways are essential devices that enable seamless communication between various industrial networks or systems utilizing different protocols. They facilitate interoperability by bridging the gap between disparate systems, such as SCADA, PLCs, DCS, and IoT devices, ensuring that data exchange across industrial environments is both efficient and reliable. This capability is critical for modern industrial operations, where the integration of equipment and software from diverse manufacturers is necessary to enhance operational efficiency, improve data integration, and maintain real-time information flow.

The market's growth is primarily driven by the increasing demand for IoT gateways, which support seamless connectivity and data management across a variety of IoT devices, and the rising need to manage multiple communication protocols effectively. As industries adopt IoT solutions, these gateways become vital in ensuring interoperability and efficiency within IoT ecosystems. Additionally, the growing trend towards remote monitoring and preventive maintenance solutions is further fueling the demand for multiprotocol gateways, as these technologies enable businesses to monitor equipment performance, predict failures, and optimize maintenance schedules, thereby reducing costs and enhancing productivity. However, the market faces significant challenges, particularly in the area of cybersecurity. The increasing digitization of industrial processes and the integration of multiple Internet protocol gateways make these

systems more vulnerable to cyberattacks. Hackers are continuously developing new methodologies for cyberattacks, such as ransomware and distributed denial of service (DDoS) attacks, posing substantial risks to the integrity and security of industrial systems. These cybersecurity threats are a major concern for end-users and could hinder market growth during the forecast period.

The key regions considered for the global market study include Asia Pacific, North America, Europe, Latin America, and Rest of the World. Europe is expected to be a significant contributor to the market's growth during the forecast period, driven by the region's adoption of smart manufacturing and industrial automation technologies. The growing demand for IIoT solutions, particularly in real-time data monitoring and analysis, is also contributing to the market's expansion in Europe. These factors, coupled with the need for interoperability across different industrial protocols, are expected to drive market growth in the region. Whereas, the market in Asia Pacific is anticipated to grow at the fastest rate over the forecast period fueled by rapid industrialization, increasing adoption of Industry 4.0, and the growing need for efficient data management across diverse industrial networks. The region's manufacturing prowess, coupled with the rising demand for smart factories and connected devices, is significantly boosting the market.

Major market players included in this report are:

Intel Corp.

HMS Networks AB

Moxa Inc.

Pepperl and Fuchs SE

Samsara Inc.

Softing AG

Larsen and Toubro Ltd.

Kessler Ellis Products

Multi Tech Systems Inc.

Novus International Inc.

Artila Electronics Co. Ltd.

SWYCS

Cisco Systems Inc.

Advantech Co. Ltd.

Honeywell International Inc.

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

By Application:

- Remote Monitoring
- Product Optimization

- Preventive Maintenance

By End-User:

- Process Industries
- Discrete Industries

By Region:

- North America
- U.S.
- Canada
- Europe
- UK
- Germany
- France
- Spain
- Italy
- Rest of Europe
- Asia Pacific
- China
- India
- Japan
- Australia
- South Korea
- Rest of Asia Pacific
- Latin America
- Brazil
- Mexico
- Rest of Latin America
- Middle East & Africa
- Saudi Arabia
- South Africa
- Rest of Middle East & Africa

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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