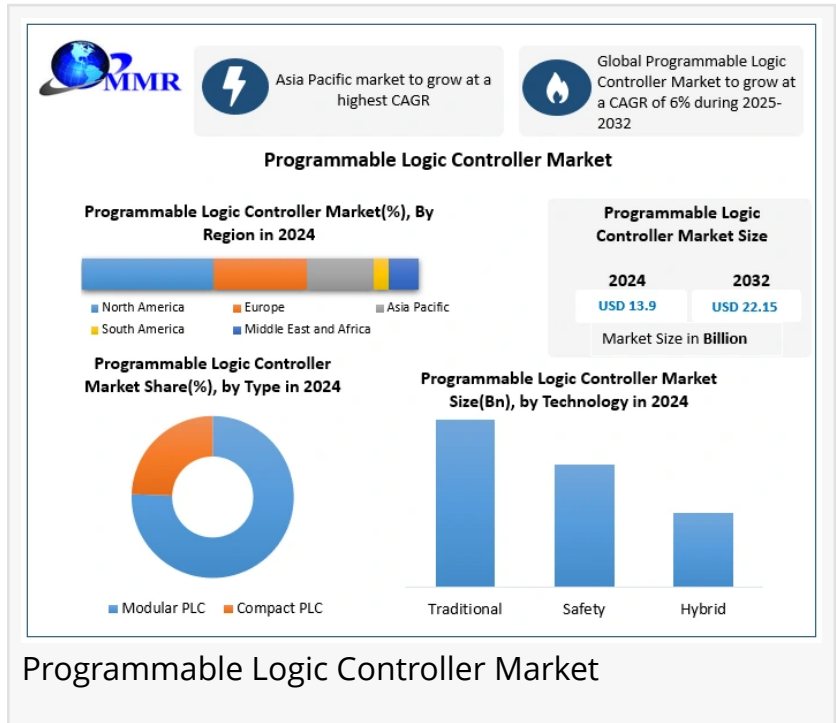


Programmable Logic Controller Market Press Review Highlighting Global Size, Share, Trends and Forecast Outlook

The Programmable Logic Controller Market is growing as industries adopt advanced automation solutions to enhance efficiency, reliability, and real-time control.

WILMINGTON, DE, UNITED STATES, December 8, 2025 /EINPresswire.com/ -- Global [Programmable Logic Controller Market](#) size reached USD 13.9 billion in 2024 and is projected to grow at a 6% CAGR from 2025 to 2032, achieving nearly USD 22.15 billion. This forecast highlights strong market share expansion driven by automation demand, advanced PLC technologies, and evolving industrial trends.



Global PLC Market Expansion: Industry 4.0, AI, and IoT Transforming Industrial Automation

“

Unlocking Smarter Manufacturing: How AI, IoT, and Modular PLCs Are Driving the Future of Automation”

Dharti Raut

Global Programmable Logic Controller (PLC) Market has seen healthy expansion in recent times due to the implementation of Industrial 4.0 and the incorporation of AI (Artificial Intelligence) and IIoT (Industrial Internet Of Things) into the Manufacturing Industry. Demand for Modular PLCs that are easier to use, comply with smart factory designs, and offer more functionality for predictive maintenance is helping to drive the growth of this market. Major companies like Emerson Electric, ABB Ltd. and

Advantech are investing heavily in AI-enabled PLC Platforms so that they can develop more advanced systems to support their customers' needs while increasing the operational efficiencies of their operations. The expansion of the market is being supported by many

organisations in the Asia-Pacific Region, North America, and Europe and is expected to have significant impact on the Global PLC Market Size, Share, Trends and Forecast Potential.

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Programmable Logic Controller Market	
By Type	Modular PLC Compact PLC
By Technology	Traditional Safety Hybrid
By End User	Automotive Chemical & Petrochemical Energy & Power Food & Beverage Oil & Gas Others
Regional Insights	North America (United States, Canada, and Mexico) Europe (UK, France, Germany, Italy, Spain, Sweden, Austria) Asia Pacific (China, South Korea, Japan, India, Australia, ASEAN) Middle East & Africa (South Africa, GCC, Nigeria) South America (Brazil, Argentina Rest of South America)

Programmable Logic Controller Market Expands as Automation and Industrial IoT Transform Manufacturing

Increased use of automated processes, the introduction of Industrial IOT and the need for flexible and re-programmable control systems throughout the manufacturing sector are driving growth in the PLC market. Investment in smart factory technology and enhanced manufacturing capabilities is driving continued growth in PLC market revenues, and subsequently increasing demand for high-performance PLC solutions worldwide.

Programmable Logic Controller Market Growth Challenges Impacting Size, Share, Trends and Forecast

PLC (Programmable Logic Controller) Market has been restrained by increasing complexity associated with the manufacturing processes, the cost of deployment, as well as the demand for more complex maintenance and service solutions than traditional methods. Integration into IoT, robotics, and predictive maintenance will require more sophisticated solutions and could therefore limit adoption in lower-cost regions; thus, this will have an impact on overall size, share, trends and predictions of growth in this market.

Programmable Logic Controller Market Growth Accelerates with Industry 4.0, AI, and IoT Integration

Global Programmable Logic Controller Market is experiencing significant growth potential as a result of continued adoption of Industry 4.0, smart factories, and IoT-based automation. The increasing use of predictive maintenance solutions and AI-integrated PLCs, combined with the rise in demand for modular and scalable PLC systems, will increase the size, share, trends, and forecast for the Programmable Logic Controller Market. Additionally, continued growth in Industrialization throughout Asia Pacific is a positive indication for long-term growth in this segment of the economy.

How are AI, IoT, and modular innovations reshaping the future of the Programmable Logic Controller Market?

Global Programmable Logic Controller Market Trends (2025–2032)

Industrial IoT Integration – PLCs connected to IoT and cloud platforms enhance real-time monitoring and predictive maintenance, influencing market size and trends.

AI & Machine Learning Adoption – AI-enabled PLCs simplify programming, reduce downtime, and improve operational efficiency, impacting market share and forecast growth.

Modular & Scalable Systems – Modular PLCs support flexible manufacturing and reduce long-term automation costs, driving trends in the global market.

Cybersecurity-Enhanced Automation – Secure PLC systems protect industrial networks, enhancing adoption rates and contributing to market size and share.

Regional Expansion & Smart Factories – Growth in Asia-Pacific, North America, and Europe is shaping market trends and forecast potential for programmable logic controllers.

Feel free to request a complimentary sample copy or view a summary of the report @

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Programmable Logic Controller Market Segmentation Analysis by Type and End-User

Programmable Logic Controller Market can be divided into two segments: End User and Type. Both segments provide valuable insight into the size, share, trends, and forecasts of the Programmable Logic Controller Market. The automotive industry is by far the largest End User of PLCs due to the high levels of automation that are utilized at various stages of the manufacturing process. The integration of artificial intelligence and the internet of things (IoT) into factory operations has quickly led to the emergence of smart factories. Modular PLCs currently hold the largest share of the market as they are capable of providing the necessary level of scalability and flexibility to support large industrial-scale operations. Compact PLCs are primarily used in environments with limited space and thus, impact the growth of the overall market size and forecast.

Programmable Logic Controller Market — Segmentation (By Type, Technology, End User, Regional Insights)

Recent Programmable Logic Controller Market Updates:

On March 15, 2025, Emerson Electric Co. launched AI-driven PLC solutions enhancing predictive maintenance and operational efficiency, positively impacting global Programmable Logic Controller Market size, share, trends, and forecast.

On July 10, 2025, ABB Ltd. secured \$9.8B in automation orders, expanding PLC adoption in energy and manufacturing sectors, strengthening market growth, share, and forecast potential. On June 20, 2025, Advantech Co., Ltd. introduced IoT-integrated PLC platforms for smart factories, driving key market trends, share expansion, and future growth opportunities.

Key Players Driving Programmable Logic Controller Market Growth: Size, Share, Trends, and Forecast

With increasing automation adoption, integration of Industry 4.0 and smart manufacturing projects, the global Programmable Logic Controller Market is becoming increasingly competitive. Using AI-enabled PLCs, IoT connectivity, and modular platforms, major players such as Siemens AG, Rockwell Automation, and ABB Ltd. are increasing their market share and operational efficiencies by influencing market size, market trend, and forecasts for growth.

Programmable Logic Controller Market is shaped by its competition, with strategic alliances, investments in research and development, and technological advancements providing companies with an edge in the industry. Organizations are also focusing on connecting cyber-secure PLCs, cloud-connected platforms, and scalable automation solutions, improving their presence within the regional market and building their market footprint. All of these factors are helping define market size, market shares, market trends, and growth potential within North America, Europe, and Asia Pacific's industrial markets.

Programmable Logic Controller Market Regional Growth in Asia-Pacific and North America

North America remains a key hub in the Programmable Logic Controller Market, led by Rockwell Automation and Siemens. High adoption of AI-enabled PLCs, IoT integration, and advanced automation solutions is driving market size, share, trends, and forecast growth, enhancing operational efficiency and industrial productivity.

Europe and Asia-Pacific are witnessing rapid expansion in the Programmable Logic Controller Market. Companies like ABB Ltd., Mitsubishi Electric, and Advantech are investing in modular, scalable, and cybersecurity-enabled PLC systems. Strategic R&D and partnerships in these regions are shaping market size, share, trends, and forecast potential in smart factories and Industry 4.0-enabled manufacturing sectors.

Programmable Logic Controller Key Players

North America

Emerson Electric Co. - St. Louis, Missouri, USA

Honeywell International Inc. - Charlotte, North Carolina, USA

Rockwell Automation Inc. - Milwaukee, Wisconsin, USA

Europe

ABB Ltd. - Zurich, Switzerland

B&R Industrial Automation GmbH - Eggelsberg, Austria

Beckhoff Automation GmbH & Co. KG - Verl, Germany

Bosch Rexroth AG - Lohr am Main, Germany
Danfoss A/S - Nordborg, Denmark
Eaton Corporation PLC - Dublin, Ireland
Schneider Electric - Rueil-Malmaison, France
Siemens AG - Munich, Germany
WAGO - Minden, Germany

Asia Pacific

Advantech Co., Ltd. - Taipei, Taiwan
Delta Electronics Inc. - Taipei, Taiwan
FATEK Automation Corporation - Taichung, Taiwan
Fuji Electric Co., Ltd. - Tokyo, Japan
Hitachi, Ltd. - Tokyo, Japan
IDEC Corporation - Osaka, Japan
Keyence Corporation - Osaka, Japan
Mitsubishi Electric Corporation - Tokyo, Japan
Omron Corporation - Kyoto, Japan
Panasonic Corporation - Osaka, Japan
Toshiba - Tokyo, Japan
Yaskawa Electric Corporation - Kitakyushu, Japan

FAQs

Q1: What is the current size of the global Programmable Logic Controller Market?

A: The global Programmable Logic Controller Market was valued at USD 13.9 billion in 2024 and is projected to reach USD 22.15 billion by 2032.

Q2: Which industries are the largest end-users of PLCs?

A: The automotive industry is the largest end-user of PLCs due to high automation in assembly, painting, welding, and smart factory operations.

Q3: What types of PLCs dominate the market?

A: Modular PLCs dominate the market because of their flexibility, scalability, and suitability for large-scale industrial automation.

Q4: How is Industry 4.0 influencing the Programmable Logic Controller Market?

A: Industry 4.0, along with AI and IoT integration, is driving demand for PLCs by enabling smart factories and real-time industrial process automation.

Q5: Which regions are key for PLC market growth?

A: Asia-Pacific leads the market due to rapid industrial automation, while North America and Europe show significant growth in smart manufacturing adoption.

Key Highlights and Key Insights

- Robust Market Growth – Global PLC market reached USD 13.9 billion in 2024 and is projected to grow at a 6% CAGR, reaching nearly USD 22.15 billion by 2032, driven by increasing automation demand and advanced PLC technologies.
- Industry 4.0 & AI Integration – Adoption of Industry 4.0, AI, and Industrial IoT (IIoT) in manufacturing is accelerating demand for smart, predictive, and efficient PLC solutions.
- Modular & Scalable PLCs Lead – Modular PLCs dominate the market due to their flexibility, scalability, and compatibility with large-scale industrial automation and smart factory operations.
- Regional Growth Opportunities – Rapid industrialization and smart factory adoption in Asia-Pacific, North America, and Europe are shaping market size, share, and growth trends.
- Strategic Investments by Key Players – Companies like Emerson Electric, ABB Ltd., and Advantech are investing in AI-enabled, IoT-integrated, and cybersecurity-enhanced PLC platforms to improve operational efficiency and expand market footprint.

Global Programmable Logic Controller Market / Analyst Perspective

According to analysts, the global programmable logic controller (PLC) market has been experiencing rapid growth due to the increasing use of Industry 4.0 technologies, such as artificial intelligence (AI) and the internet of things (IoT), and the proliferation of smart factories. Strategic investments in modular, AI-enabled, and IoT-integrated PLC solutions by major global companies—including Emerson Electric, ABB Ltd., and Advantech—are driving increased adoption of automation, improved operational efficiencies, and influencing market size, trends, and forecast potential throughout many of the world's major industrial regions.

Related Reports –

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Internet of Thing Microcontroller Market - <https://www.maximizemarketresearch.com/market-report/global-internet-of-thing-microcontroller-market/72654/>

Maximize Market Research is launching a subscription model for data and analysis in the Global Programmable Logic Controller Market:

<https://www.mmrstatistics.com/reports/671657/programmable-logic-controller-market>

Readers should explore this Programmable Logic Controller Market report to understand market growth, key trends, top players, and regional opportunities, enabling informed decisions, strategic planning, and insights into smart manufacturing, IoT integration, and industrial automation for competitive advantage.

Programmable Logic Controller Topic - <https://www.mmrstatistics.com/topics/285/control-systems>

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