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Global Programmable Logic Controller (PLC) Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Programmable Logic Controller (PLC) market size was valued at US$ 16960 million in 2024 and is forecast to a readjusted size of USD 23290 million by 2031 with a CAGR of 4.7% during review period.

A programmable logic controller, PLC, is a digital computer used for automation of typically industrial electromechanical processes, such as control of machinery on factory assembly lines, amusement rides, or light fixtures. PLCs are used in many machines, in many industries. PLCs are designed for multiple arrangements of digital and analog inputs and outputs, extended temperature ranges, immunity to electrical noise, and resistance to vibration and impact. Programs to control machine operation are typically stored in battery-backed-up or non-volatile memory. A PLC is an example of a 'hard' real-time system since output results must be produced in response to input conditions within a limited time, otherwise unintended operation will result.

The core manufacturers of Programmable Logic Controller (PLC) in the world include Siemens, Rockwell (A-B), and Mitsubishi. The first three companies account for about 64% of the share. Asia-Pacific is the largest market with nearly 38% of the market, followed by Europe and North America with 32% and 23% respectively. In terms of product type, Micro is the largest segment, accounting for about 37% of the share, while in terms of application, Automobile Industry is the largest downstream segment, accounting for about 48%.

This report is a detailed and comprehensive analysis for global Programmable Logic Controller (PLC) market. Both quantitative and qualitative analyses are presented by

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manufacturers, by region & country, by Product Size and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Programmable Logic Controller (PLC) market size and forecasts, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2020-2031

Global Programmable Logic Controller (PLC) market size and forecasts by region and country, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2020-2031

Global Programmable Logic Controller (PLC) market size and forecasts, by Product Size and by Application, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2020-2031

Global Programmable Logic Controller (PLC) market shares of main players, shipments in revenue ($ Million), sales quantity (K Units), and ASP (US$/Unit), 2020-2025

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Programmable Logic Controller (PLC)

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Programmable Logic Controller (PLC) market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Siemens, Rockwell(A-B), Mitsubishi, Schneider(Modicon), Omron, Emerson(GE Fanuc), ABB(B&R), Bosch Rexroth, Fuji, Toshiba, etc.

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This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Programmable Logic Controller (PLC) market is split by Product Size and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Product Size, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Product Size

- Nano
- Micro
- Medium
- Large

Market segment by Application

- Steel Industry
- Petrochemical and Gas Industry
- Power Industry
- Automobile Industry
- Semiconductor Industry
- Electrical And Electronics Industry
- Others

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Major players covered

- Siemens
- Rockwell(A-B)
- Mitsubishi
- Schneider(Modicon)
- Omron
- Emerson(GE Fanuc)
- ABB(B&R)
- Bosch Rexroth
- Fuji
- Toshiba
- Keyence
- Idec
- Panasonic
- Koyo

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

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South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Programmable Logic Controller (PLC) product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Programmable Logic Controller (PLC), with price, sales quantity, revenue, and global market share of Programmable Logic Controller (PLC) from 2020 to 2025.

Chapter 3, the Programmable Logic Controller (PLC) competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Programmable Logic Controller (PLC) breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Product Size and by Application, with sales market share and growth rate by Product Size, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025.and Programmable Logic Controller (PLC) market forecast, by regions, by Product Size, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Programmable Logic Controller (PLC).

Chapter 14 and 15, to describe Programmable Logic Controller (PLC) sales channel, distributors, customers, research findings and conclusion.

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