

North America Programmable Logic Controllers (PLC) Market 2022-2032 by Component (Hardware, Software, Services), Product Type (Nano, Micro/Small, Medium, Large, Others), Architecture (Compact, Modular), Form (Rack Mounted, Single-Box), Power Supply (230 VAC, 24 VDC), Application, Industry Vertical, and Country: Trend Forecast and Growth Opportunity

<https://marketpublishers.com/r/NE3CA68ABD76EN.html>

Date: August 2023

Pages: 142

Price: US\$ 2,125.00 (Single User License)

ID: NE3CA68ABD76EN

Abstracts

North America programmable logic controllers (PLC) market is projected to grow by 4.6% annually in the forecast period and reach \$6.09 billion by 2032, driven by the rising adoption of automation systems, improved operations in terms of productivity and safety, an increasing demand of PLC in a magnitude of industries, and the growing availability and affordability of more advanced PLC workflow solutions.

Highlighted with 30 tables and 76 figures, this 142-page report “North America Programmable Logic Controllers (PLC) Market 2022-2032 by Component (Hardware, Software, Services), Product Type (Nano, Micro/Small, Medium, Large, Others), Architecture (Compact, Modular), Form (Rack Mounted, Single-Box), Power Supply (230 VAC, 24 VDC), Application, Industry Vertical, and Country: Trend Forecast and Growth Opportunity” is based on a comprehensive research of the entire North America programmable logic controllers (PLC) market and all its sub-segments through extensively detailed classifications. Profound analysis and assessment are generated from premium primary and secondary information sources with inputs derived from industry professionals across the value chain. The report is based on studies on 2020-2022 and provides forecast from 2023 till 2032 with 2022 as the base year. (Please note: The report will be updated before delivery so that the latest historical year is the base year, and the forecast covers at least 5 years over the base year.)

In-depth qualitative analyses include identification and investigation of the following aspects:

Market Structure

Growth Drivers

Restraints and Challenges

Emerging Product Trends & Market Opportunities

Porter's Fiver Forces

The trend and outlook of North America market is forecast in optimistic, balanced, and conservative view by taking into account of COVID-19 and Russia-Ukraine conflict. The balanced (most likely) projection is used to quantify North America programmable logic controllers (PLC) market in every aspect of the classification from perspectives of Component, Product Type, Architecture, Form, Power Supply, Application, Industry Vertical, and Country.

Based on Component, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2022-2032 included in each section.

Hardware

Processor

Power Supply

Input/Output

Other Hardware

Software

Services

Training

Maintenance

Consulting

Based on Product Type, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2022-2032 included in each section.

Nano PLC

Fixed Nano PLC

Modular Nano PLC

Micro/Small PLC

Medium PLC

Large PLC

Other Product Types

By Architecture, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2022-2032 included in each section.

Compact PLC

Modular PLC

By Form, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2022-2032 included in each section.

Rack Mounted Type

Single-Box Type

By Power Supply, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2022-2032 included in each section.

PLC with SMPS (230 VAC)

PLC without SMPS (24 VDC)

By Application, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2022-2032 included in each section.

Packaging & Labeling

Material Handling

Escalator & Elevator

Process Control

Industrial Equipment Control System

Safety Monitoring & Control

Energy Management

Home & Building Automation

Other Applications

By Industry Vertical, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2022-2032 included in each section.

Automotive Industry

Chemicals Industry

Food & Beverage Industry

Oil & Gas Industry

Energy & Power Industry

Pulp & Paper Industry

Pharmaceutical Industry

Water and Wastewater Industry

Other Industry Verticals

Geographically, the following national/local markets are fully investigated:

U.S.

Canada

Mexico

For each key country, detailed analysis and data for annual revenue (\$ mn) are available for 2022-2032. The breakdown of national markets by Component, Product Type, and Industry Vertical over the forecast years are also included.

The report also covers the current competitive scenario and the predicted trend; and profiles key vendors including market leaders and important emerging players.

Selected Key Players:

ABB Ltd.

B&R Industrial Automation GmbH

Eaton Corporation PLC

Emerson Electric Company

Fuji Electric Co., Ltd.

General Electric Co.

Hitachi Ltd.

Honeywell International Inc.

IDEC Corporation

Infineon Technologies AG

Mitsubishi Electric Corporation

Omron Corporation

Panasonic Corporation

Robert Bosch GmbH

Rockwell Automation Inc.

Schneider Electric SE

Siemens AG

Toshiba International Corporation

Yokogawa Electric Corporation

(Please note: The report will be updated before delivery so that the latest historical year is the base year, and the forecast covers at least 5 years over the base year.)

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