

# **Asia Pacific 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/A13A81DCD5BEEN.html>

Date: August 2023

Pages: 149

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

ID: A13A81DCD5BEEN

## **Abstracts**

Asia Pacific programmable logic controllers (PLC) market will grow by 6.0% annually with a total addressable market cap of \$57.55 billion over 2023-2032, 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 37 tables and 79 figures, this 149-page report “Asia Pacific 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 Asia Pacific 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 Asia Pacific 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 Asia Pacific 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 Asia Pacific 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 Asia Pacific 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 Asia Pacific 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 Asia Pacific 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 Asia Pacific 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 Asia Pacific 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 Asia Pacific 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:

Japan

China

South Korea

Australia

India

Rest of APAC (further segmented into Malaysia, Singapore, Indonesia, Thailand, New Zealand, Vietnam, Taiwan, and Philippines)

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.)

## Contents

### 1 INTRODUCTION

- 1.1 Industry Definition and Research Scope
  - 1.1.1 Industry Definition
  - 1.1.2 Research Scope
- 1.2 Research Methodology
  - 1.2.1 Overview of Market Research Methodology
  - 1.2.2 Market Assumption
  - 1.2.3 Secondary Data
  - 1.2.4 Primary Data
  - 1.2.5 Data Filtration and Model Design
  - 1.2.6 Market Size/Share Estimation
  - 1.2.7 Research Limitations
- 1.3 Executive Summary

### 2 MARKET OVERVIEW AND DYNAMICS

- 2.1 Market Size and Forecast
  - 2.1.1 Impact of COVID-19 on World Economy
  - 2.1.2 Impact of COVID-19 on the Market
  - 2.1.3 Impact of Russia-Ukraine Conflict: War Slows Economic Recovery
- 2.2 Major Growth Drivers
- 2.3 Market Restraints and Challenges
- 2.4 Emerging Opportunities and Market Trends
- 2.5 Porter's Fiver Forces Analysis

### 3 SEGMENTATION OF ASIA PACIFIC MARKET BY COMPONENT

- 3.1 Market Overview by Component
- 3.2 Hardware
  - 3.2.1 Processor
  - 3.2.2 Power Supply
  - 3.2.3 Input/Output
  - 3.2.4 Other Hardware
- 3.3 Software
- 3.4 Services
  - 3.4.1 Training



3.4.2 Maintenance

3.4.3 Consulting

## **4 SEGMENTATION OF ASIA PACIFIC MARKET BY PRODUCT TYPE**

4.1 Market Overview by Product Type

4.2 Nano PLC

4.2.1 Fixed Nano PLC

4.2.2 Modular Nano PLC

4.3 Micro/Small PLC

4.4 Medium PLC

4.5 Large PLC

4.6 Other Product Types

## **5 SEGMENTATION OF ASIA PACIFIC MARKET BY ARCHITECTURE**

5.1 Market Overview by Architecture

5.2 Compact PLC

5.3 Modular PLC

## **6 SEGMENTATION OF ASIA PACIFIC MARKET BY FORM**

6.1 Market Overview by Form

6.2 Rack Mounted Type

6.3 Single-Box Type

## **7 SEGMENTATION OF ASIA PACIFIC MARKET BY POWER SUPPLY**

7.1 Market Overview by Power Supply

7.2 PLC with SMPS (230 VAC)

7.3 PLC without SMPS (24 VDC)

## **8 SEGMENTATION OF ASIA PACIFIC MARKET BY APPLICATION**

8.1 Market Overview by Application

8.2 Packaging & Labeling

8.3 Material Handling

8.4 Escalator & Elevator

8.5 Process Control

- 8.6 Industrial Equipment Control System
- 8.7 Safety Monitoring & Control
- 8.8 Energy Management
- 8.9 Home & Building Automation
- 8.10 Other Applications

## **9 SEGMENTATION OF ASIA PACIFIC MARKET BY INDUSTRY VERTICAL**

- 9.1 Market Overview by Industry Vertical
- 9.2 Automotive Industry
- 9.3 Chemicals Industry
- 9.4 Food & Beverage Industry
- 9.5 Oil & Gas Industry
- 9.6 Energy & Power Industry
- 9.7 Pulp & Paper Industry
- 9.8 Pharmaceutical Industry
- 9.9 Water and Wastewater Industry
- 9.10 Other Industry Verticals

## **10 ASIA-PACIFIC MARKET 2022-2032 BY COUNTRY**

- 10.1 Overview of Asia-Pacific Market
- 10.2 Japan
- 10.3 China
- 10.4 Australia
- 10.5 India
- 10.6 South Korea
- 10.7 Rest of APAC Region

## **11 COMPETITIVE LANDSCAPE**

- 11.1 Overview of Key Vendors
- 11.2 New Product Launch, Partnership, Investment, and M&A
- 11.3 Company Profiles
  - 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  
RELATED REPORTS

## 12. LIST OF TABLES:

Table 1. Snapshot of Asia Pacific Programmable Logic Controllers Market in Balanced Perspective, 2022-2032  
Table 2. World Economic Outlook, 2021-2031  
Table 3. World Economic Outlook, 2021-2023  
Table 4. Scenarios for Economic Impact of Ukraine Crisis  
Table 5. Main Product Trends and Market Opportunities in Asia Pacific Programmable Logic Controllers Market  
Table 6. Asia Pacific Programmable Logic Controllers Market by Component, 2022-2032, \$ mn  
Table 7. Asia Pacific Programmable Logic Controllers Market: Hardware by Type, 2022-2032, \$ mn  
Table 8. Asia Pacific Programmable Logic Controllers Market: Services by Type, 2022-2032, \$ mn  
Table 9. Categories and Definition of PLCs by Product Type  
Table 10. Asia Pacific Programmable Logic Controllers Market by Product Type, 2022-2032, \$ mn  
Table 11. Asia Pacific Programmable Logic Controllers Market: Nano PLC by Type, 2022-2032, \$ mn  
Table 12. Asia Pacific Programmable Logic Controllers Market by Architecture, 2022-2032, \$ mn  
Table 13. Asia Pacific Programmable Logic Controllers Market by Form, 2022-2032, \$

*Asia Pacific Programmable Logic Controllers (PLC) Market 2022-2032 by Component (Hardware, Software, Services)...*

mn

Table 14. Asia Pacific Programmable Logic Controllers Market by Power Supply, 2022-2032, \$ mn

Table 15. Asia Pacific Programmable Logic Controllers Market by Application, 2022-2032, \$ mn

Table 16. Asia Pacific Programmable Logic Controllers Market by Industry Vertical, 2022-2032, \$ mn

Table 17. APAC Programmable Logic Controllers Market by Country, 2022-2032, \$ mn

Table 18. Japan Programmable Logic Controllers Market by Component, 2022-2032, \$ mn

Table 19. Japan Programmable Logic Controllers Market by Product Type, 2022-2032, \$ mn

Table 20. Japan Programmable Logic Controllers Market by Industry Vertical, 2022-2032, \$ mn

Table 21. China Programmable Logic Controllers Market by Component, 2022-2032, \$ mn

Table 22. China Programmable Logic Controllers Market by Product Type, 2022-2032, \$ mn

Table 23. China Programmable Logic Controllers Market by Industry Vertical, 2022-2032, \$ mn

Table 24. Australia Programmable Logic Controllers Market by Component, 2022-2032, \$ mn

Table 25. Australia Programmable Logic Controllers Market by Product Type, 2022-2032, \$ mn

Table 26. Australia Programmable Logic Controllers Market by Industry Vertical, 2022-2032, \$ mn

Table 27. India Programmable Logic Controllers Market by Component, 2022-2032, \$ mn

Table 28. India Programmable Logic Controllers Market by Product Type, 2022-2032, \$ mn

Table 29. India Programmable Logic Controllers Market by Industry Vertical, 2022-2032, \$ mn

Table 30. South Korea Programmable Logic Controllers Market by Component, 2022-2032, \$ mn

Table 31. South Korea Programmable Logic Controllers Market by Product Type, 2022-2032, \$ mn

Table 32. South Korea Programmable Logic Controllers Market by Industry Vertical, 2022-2032, \$ mn

Table 33. Programmable Logic Controllers Market in Rest of APAC by Country/Region,

2022-2032, \$ mn

Table 34. Main Vendors and Product Offerings

Table 35. ABB Ltd.: Company Snapshot

Table 36. ABB Ltd.: Business Segmentation

Table 37. ABB Ltd.: Product Portfolio

## 12. LIST OF FIGURES:

Figure 1. Structure of Typical Programmable Logic Controllers

Figure 2. Research Method Flow Chart

Figure 3. Bottom-up Approach and Top-down Approach for Market Estimation

Figure 4. Asia Pacific Market Forecast in Optimistic, Conservative and Balanced Perspectives, 2022-2032

Figure 5. Asia Pacific Programmable Logic Controllers Market, 2022-2032, \$ mn

Figure 6. Impact of COVID-19 on Business

Figure 7. Primary Drivers and Impact Factors of Asia Pacific Programmable Logic Controllers Market

Figure 8. World Industrial Robotics Market by Shipment, 2022-2032, thousand units

Figure 9. World Vehicle Production by Car Type, 2019-2030, million units

Figure 10. World Crude Oil Production, 2000-2021, million tons

Figure 11. Primary Restraints and Impact Factors of Asia Pacific Programmable Logic Controllers Market

Figure 12. Investment Opportunity Analysis

Figure 13. Porter's Five Forces Analysis of Asia Pacific Programmable Logic Controllers Market

Figure 14. Breakdown of Asia Pacific Programmable Logic Controllers Market by Component, 2022-2032, % of Revenue

Figure 15. Asia Pacific Addressable Market Cap in 2023-2032 by Component, Value (\$ mn) and Share (%)

Figure 16. Asia Pacific Programmable Logic Controllers Market by Component: Hardware, 2022-2032, \$ mn

Figure 17. Asia Pacific Programmable Logic Controllers Market by Hardware: Processor, 2022-2032, \$ mn

Figure 18. Asia Pacific Programmable Logic Controllers Market by Hardware: Power Supply, 2022-2032, \$ mn

Figure 19. Asia Pacific Programmable Logic Controllers Market by Hardware: Input/Output, 2022-2032, \$ mn

Figure 20. Asia Pacific Programmable Logic Controllers Market by Hardware: Other Hardware, 2022-2032, \$ mn

Figure 21. Asia Pacific Programmable Logic Controllers Market by Component:

Software, 2022-2032, \$ mn

Figure 22. Asia Pacific Programmable Logic Controllers Market by Component:

Services, 2022-2032, \$ mn

Figure 23. Asia Pacific Programmable Logic Controllers Market by Services: Training, 2022-2032, \$ mn

Figure 24. Asia Pacific Programmable Logic Controllers Market by Services:

Maintenance, 2022-2032, \$ mn

Figure 25. Asia Pacific Programmable Logic Controllers Market by Services: Consulting, 2022-2032, \$ mn

Figure 26. Breakdown of Asia Pacific Programmable Logic Controllers Market by Product Type, 2022-2032, % of Sales Revenue

Figure 27. Asia Pacific Addressable Market Cap in 2023-2032 by Product Type, Value (\$ mn) and Share (%)

Figure 28. Asia Pacific Programmable Logic Controllers Market by Product Type: Nano PLC, 2022-2032, \$ mn

Figure 29. Asia Pacific Programmable Logic Controllers Market by Nano PLC: Fixed Nano PLC, 2022-2032, \$ mn

Figure 30. Asia Pacific Programmable Logic Controllers Market by Nano PLC: Modular Nano PLC, 2022-2032, \$ mn

Figure 31. Picture of Typical Small PLC Systems

Figure 32. Asia Pacific Programmable Logic Controllers Market by Product Type: Micro/Small PLC, 2022-2032, \$ mn

Figure 33. Picture of Typical Medium PLC Systems

Figure 34. Asia Pacific Programmable Logic Controllers Market by Product Type: Medium PLC, 2022-2032, \$ mn

Figure 35. Asia Pacific Programmable Logic Controllers Market by Product Type: Large PLC, 2022-2032, \$ mn

Figure 36. Asia Pacific Programmable Logic Controllers Market by Product Type: Other Product Types, 2022-2032, \$ mn

Figure 37. Breakdown of Asia Pacific Programmable Logic Controllers Market by Architecture, 2022-2032, % of Sales Revenue

Figure 38. Asia Pacific Addressable Market Cap in 2023-2032 by Architecture, Value (\$ mn) and Share (%)

Figure 39. Asia Pacific Programmable Logic Controllers Market by Architecture: Compact PLC, 2022-2032, \$ mn

Figure 40. Asia Pacific Programmable Logic Controllers Market by Architecture: Modular PLC, 2022-2032, \$ mn

Figure 41. Breakdown of Asia Pacific Programmable Logic Controllers Market by Form,

2022-2032, % of Revenue

Figure 42. Asia Pacific Addressable Market Cap in 2023-2032 by Form, Value (\$ mn) and Share (%)

Figure 43. Asia Pacific Programmable Logic Controllers Market by Form: Rack Mounted Type, 2022-2032, \$ mn

Figure 44. Asia Pacific Programmable Logic Controllers Market by Form: Single-Box Type, 2022-2032, \$ mn

Figure 45. Breakdown of Asia Pacific Programmable Logic Controllers Market by Power Supply, 2022-2032, % of Revenue

Figure 46. Asia Pacific Addressable Market Cap in 2023-2032 by Power Supply, Value (\$ mn) and Share (%)

Figure 47. Asia Pacific Programmable Logic Controllers Market by Power Supply: PLC with SMPS (230 VAC), 2022-2032, \$ mn

Figure 48. Asia Pacific Programmable Logic Controllers Market by Power Supply: PLC without SMPS (24 VDC), 2022-2032, \$ mn

Figure 49. Breakdown of Asia Pacific Programmable Logic Controllers Market by Application, 2022-2032, % of Revenue

Figure 50. Asia Pacific Addressable Market Cap in 2023-2032 by Application, Value (\$ mn) and Share (%)

Figure 51. Asia Pacific Programmable Logic Controllers Market by Application: Packaging & Labeling, 2022-2032, \$ mn

Figure 52. Asia Pacific Programmable Logic Controllers Market by Application: Material Handling, 2022-2032, \$ mn

Figure 53. Asia Pacific Programmable Logic Controllers Market by Application: Escalator & Elevator, 2022-2032, \$ mn

Figure 54. Asia Pacific Programmable Logic Controllers Market by Application: Process Control, 2022-2032, \$ mn

Figure 55. Asia Pacific Programmable Logic Controllers Market by Application: Industrial Equipment Control System, 2022-2032, \$ mn

Figure 56. Asia Pacific Programmable Logic Controllers Market by Application: Safety Monitoring & Control, 2022-2032, \$ mn

Figure 57. Asia Pacific Programmable Logic Controllers Market by Application: Energy Management, 2022-2032, \$ mn

Figure 58. Asia Pacific Programmable Logic Controllers Market by Application: Home & Building Automation, 2022-2032, \$ mn

Figure 59. Asia Pacific Programmable Logic Controllers Market by Application: Other Applications, 2022-2032, \$ mn

Figure 60. Breakdown of Asia Pacific Programmable Logic Controllers Market by Industry Vertical, 2022-2032, % of Revenue



Figure 61. Asia Pacific Addressable Market Cap in 2023-2032 by Industry Vertical, Value (\$ mn) and Share (%)

Figure 62. Asia Pacific Programmable Logic Controllers Market by Industry Vertical: Automotive Industry, 2022-2032, \$ mn

Figure 63. Asia Pacific Programmable Logic Controllers Market by Industry Vertical: Chemicals Industry, 2022-2032, \$ mn

Figure 64. Asia Pacific Programmable Logic Controllers Market by Industry Vertical: Food & Beverage Industry, 2022-2032, \$ mn

Figure 65. Asia Pacific Programmable Logic Controllers Market by Industry Vertical: Oil & Gas Industry, 2022-2032, \$ mn

Figure 66. Asia Pacific Programmable Logic Controllers Market by Industry Vertical: Energy & Power Industry, 2022-2032, \$ mn

Figure 67. Asia Pacific Programmable Logic Controllers Market by Industry Vertical: Pulp & Paper Industry, 2022-2032, \$ mn

Figure 68. Asia Pacific Programmable Logic Controllers Market by Industry Vertical: Pharmaceutical Industry, 2022-2032, \$ mn

Figure 69. Asia Pacific Programmable Logic Controllers Market by Industry Vertical: Water and Wastewater Industry, 2022-2032, \$ mn

Figure 70. Asia Pacific Programmable Logic Controllers Market by Industry Vertical: Other Industry Verticals, 2022-2032, \$ mn

Figure 71. Breakdown of APAC Programmable Logic Controllers Market by Country, 2022 and 2032, % of Revenue

Figure 72. Contribution to APAC 2023-2032 Cumulative Market by Country, Value (\$ mn) and Share (%)

Figure 73. Programmable Logic Controllers Market in Japan, 2022-2032, \$ mn

Figure 74. Programmable Logic Controllers Market in China, 2022-2032, \$ mn

Figure 75. Programmable Logic Controllers Market in Australia, 2022-2032, \$ mn

Figure 76. Programmable Logic Controllers Market in India, 2022-2032, \$ mn

Figure 77. Programmable Logic Controllers Market in South Korea, 2022-2032, \$ mn

Figure 78. Programmable Logic Controllers Market in Rest of APAC, 2022-2032, \$ mn

Figure 79. Growth Stage of Asia Pacific Programmable Logic Controllers Industry over the Forecast Period



## I would like to order

Product name: Asia Pacific 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

Product link: <https://marketpublishers.com/r/A13A81DCD5BEEN.html>

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

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/A13A81DCD5BEEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below  
and fax the completed form to +44 20 7900 3970