

Global PC-Based Automation Market 2024 by Company, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global PC-Based Automation market size was valued at USD 26630 million in 2023 and is forecast to a readjusted size of USD 32040 million by 2030 with a CAGR of 2.7% during review period.

PC-based automation is a process that entails the use of software to manage real-time (RTOS) applications that can perform such functions as motion control and machine vision in various industrial procedural environments.

North America held the largest share of the overall PC-based automation market in 2017. It is an early adopter of advanced manufacturing technologies. However, the PC-based automation market in APAC is expected to surpass the growth of the market in North America market by 2023. The market in APAC is expected to grow at the highest rate between 2018 and 2023 owing to rapid industrialization in countries such as India and China and high adoption of advanced manufacturing technologies in Japan. Further, in APAC, the spending on the manufacturing sector is growing continuously. Government support in countries such as China and India is contributing to the growth of the manufacturing sector in APAC, which is further encouraging the adoption of automation technologies in the region.

The Global Info Research report includes an overview of the development of the PC-Based Automation industry chain, the market status of Automotive (IPCs, HMIs), Semiconductor & Electronics (IPCs, HMIs), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of PC-Based Automation.

Regionally, the report analyzes the PC-Based Automation markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global PC-Based Automation market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the PC-Based Automation market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the PC-Based Automation industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the revenue generated, and market share of different by Type (e.g., IPCs, HMIs).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the PC-Based Automation market.

Regional Analysis: The report involves examining the PC-Based Automation market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the PC-Based Automation market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to PC-Based Automation:

Company Analysis: Report covers individual PC-Based Automation players, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards PC-Based Automation. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Automotive, Semiconductor & Electronics).

Technology Analysis: Report covers specific technologies relevant to PC-Based Automation. It assesses the current state, advancements, and potential future developments in PC-Based Automation areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the PC-Based Automation market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

PC-Based Automation market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of value.

Market segment by Type

IPCs

HMIs

PLCs

SCADA

Market segment by Application

Automotive

Semiconductor & Electronics

Aerospace & Defense

Oil & Gas

Chemicals

Pharmaceuticals

Machine Manufacturing

Others

Market segment by players, this report covers

Siemens

General Electric

Mitsubishi Electric

Schneider Electric

Rockwell Automation

ABB

OMRON

Advantech

Honeywell

Emerson Electric

Beckhoff Automation

Yokogawa Electric

Kontron S&T

Bosch Rexroth

IDEC

Market segment by regions, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, UK, Russia, Italy, and Rest of Europe)

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

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

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

Chapter 1, to describe PC-Based Automation product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of PC-Based Automation, with revenue, gross margin and global market share of PC-Based Automation from 2019 to 2024.

Chapter 3, the PC-Based Automation competitive situation, revenue and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and application, with consumption value and growth rate by Type, application, from 2019 to 2030.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2019 to 2024. and PC-

Based Automation market forecast, by regions, type and application, with consumption value, from 2025 to 2030.

Chapter 11, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of PC-Based Automation.

Chapter 13, to describe PC-Based Automation research findings and conclusion.

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