

PC-Based Automation Market by Offering (Hardware and Software), Component (IPCs, HMIs, PLCs, SCADA), Sales Channel (Direct Sales and Indirect Sales), Industry (Process and Discrete), and Geography - Global Forecast to 2023

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Abstracts

“PC-based automation market expected to exhibit significant growth between 2018 and 2023”

The PC-based automation market is expected to grow at a CAGR of 4.9% between 2018 and 2023 to reach USD 38.01 billion by 2023 from USD 29.92 billion in 2018. This market growth can be attributed to the evolution of IIoT and increasing demand for smart automation solutions, growing emphasis on regulatory compliances, and increasing need for efficient monitoring in manufacturing plants. However, high investments for the implementation of PC-based automation systems are restraining the growth of the PC-based automation market.

“PLC to hold a major share of the PC-based automation market during the forecast period”

PLC is one of the most critical components in PC-based automation systems. It is widely used in almost all industrial applications to control the automation of industrial processes. Furthermore, PLCs are evolving continuously to include advanced features such as greater programming flexibility and ease, scalability, high memory, compactness, and high speed. These advanced features make PLCs the best option for a variety of industrial automation applications. This is driving the growth of the market for PLCs.

“Process industries to hold a larger share of the PC-based automation market during the forecast period”

The adoption rate of PC-based automation solutions in process industries is high owing to the rising cost pressure on manufacturers to optimize their production processes. Moreover, the increasing demand for real-time visibility and complex operations in industries such as oil & gas, energy & power, mining & metals, and food & beverages is expected to boost the demand for PC-based automation solutions in process industries.

“PC-based automation market in APAC expected to grow at a high rate during the forecast period”

The PC-based automation market in APAC is likely to grow at a high rate between 2018 and 2023. In APAC, countries such as India, China, and Japan play an important role in the overall growth of the PC-based automation market. In India, increasing infrastructural investments and government initiatives such as “Make in India” are supporting market growth. The Government of India is encouraging foreign companies to invest in the country to build their manufacturing facilities. Further, in China, the high adoption of advanced manufacturing technologies and government initiatives such as “Made in China 2025” are likely to accelerate the growth of the market for advanced manufacturing technologies, including PC-based automation, in the country.

The breakdown of the profiles of primary participants for the report has been given below.

By Company Type: Tier 1 = 50%, Tier 2 = 30%, and Tier 3 = 20%

By Designation: C-Level Executives = 70%, Directors = 20%, and Others = 10%

By Region: North America = 40%, Europe = 35%, APAC = 15%, and RoW = 10%

The key players in the PC-based automation market include ABB (Switzerland), Advantech (Japan), Beckhoff Automation (Germany), Emerson Electric (US), General Electric (US), Honeywell (US), IDEC (Japan), Kontron S&T (Germany), Mitsubishi Electric (Japan), OMRON (Japan), Robert Bosch (Germany), Rockwell Automation (US), Schneider Electric (France), Siemens (Germany), and Yokogawa Electric (Japan).

Research Coverage:

The research report analyzes the PC-based automation market on the basis of the following segments: offering, component, sales channel, industry, and geography. The market has been segmented on the basis of offering into hardware and software. Based on component, the market has been segmented into industrial PCs, HMIs, PLCs, and SCADA. The market has been segmented on the basis of sales channel into direct sales and indirect sales channels. Industries covered in this report include process and discrete. Process industries comprise oil & gas, chemicals, pharmaceuticals, mining & metals, food & beverages, energy & power, and others; discrete industries comprises automotive, semiconductor & electronics, aerospace & defense, medical devices, machine manufacturing, and others. The report also covers the market in 4 major regions—North America, Europe, APAC, and RoW.

Key Benefits of Buying the Report:

The report includes illustrative segmentation, analysis, and forecast based on offerings, components, sales channels, industries, and regions to provide an overall view of the market.

A detailed value chain analysis has been provided to provide in-depth insight into the market.

Major drivers, restraints, opportunities, and challenges pertaining to the market have been detailed in this report.

The report includes the detailed competitive landscape, along with key market players and their revenues.

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