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PC-Based Automation Market Report: Trends, Forecast and Competitive Analysis to 2030

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Abstracts

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PC-Based Automation Trends and Forecast

The future of the global PC-based automation market looks promising with opportunities in the pharmaceuticals, mining & metals, food & beverages, automotive, semiconductor & electronics, and aerospace & defense markets. The global PC-based automation market is expected to reach an estimated $42.79 billion by 2030 with a CAGR of 5.1% from 2024 to 2030. The major drivers for this market are growing demand for automation technology, growing emphasis on regulatory compliances ,and increasing need for efficient monitoring in manufacturing plants.future of the global PC-based automation market looks promising with opportunities in the pharmaceutical, mining & metal, food & beverage, automotive, semiconductor & electronic, and aerospace & defense markets. The global PC-based automation market is expected to reach an estimated $42.79 billion by 2030 with a CAGR of 5.1% from 2024 to 2030. The major drivers for this market are rising demand of IIOT, growing emphasis on regulatory compliances on the adoption of smart and automated solutions, and increasing requirement for efficient monitoring in manufacturing plants across the globe.

A more than 150-page report is developed to help in your business decisions. Sample figures with some insights are shown below.

PC-Based Automation by Segment

The study includes a forecast for the global PC-based automation by offering, component, end use industry, and region

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PC-Based Automation Market by Offering [Shipment Analysis by Value from 2018 to 2030]:

Hardware

Software

PC-Based Automation Market by Component [Shipment Analysis by Value from 2018 to 2030]:

IPCs

HMIs

PLCs

SCADA

PC-Based Automation Market by End Use Industry [Shipment Analysis by Value from 2018 to 2030]:

Pharmaceuticals

Mining & Metals

Food & Beverages

Automotive

Semiconductor & Electronics

Aerospace & Defense

PC-Based Automation Market by Region [Shipment Analysis by Value from 2018 to 2030]:

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North America

Europe

Asia Pacific

The Rest of the World

List of PC-Based Automation Companies

Companies in the market compete on the basis of product quality offered. Major players in this market focus on expanding their manufacturing facilities, R&D investments, infrastructural development, and leverage integration opportunities across the value chain. With these strategies PC-based automation companies cater increasing demand, ensure competitive effectiveness, develop innovative products & technologies, reduce production costs, and expand their customer base. Some of the PC-based automation companies profiled in this report include-

ABB

Advantech

Beckhoff Automation

Emerson Electric

General Electric

Honeywell

IDEC

Kontron S&T

Mitsubishi Electric

OMRON

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PC-Based Automation Market Insights

Lucintel forecast that software is expected to witness highest growth over the forecast period owing to its improved scalability and flexibility as compared to hardwares.

Within this market, consumer electronics will remain the largest segment.

APAC is expected to witness highest growth over the forecast period due to rapid industralization and growing adoption of automation technology across various end use industries in the region.

Features of the Global PC-Based Automation Market

Market Size Estimates: PC-Based Automation Market size estimation in terms of value ($B).

Trend and Forecast Analysis: Market trends (2018 to 2023) and forecast (2024 to 2030) by various segments and regions.

Segmentation Analysis: PC-based automation market size by offering, component, end use industry, and region in terms of value ($B).

Regional Analysis: PC-based automation market breakdown by North America, Europe, Asia Pacific, and Rest of the World.

Growth Opportunities: Analysis of growth opportunities in different offering, component, end use industry, and region of the PC-based automation market.

Strategic Analysis: This includes M&A, new product development, and competitive landscape of the PC-based automation market.

Analysis of competitive intensity of the industry based on Porter’s Five Forces model.

FAQ

Q.1 What is the PC-based automation market size?

Answer: The global PC-based automation market is expected to reach an estimated $42.79 billion by 2030.

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Q.2 What is the growth forecast for PC-based automation market?

Answer: The global PC-based automation market is expected to grow with a CAGR of 5.1% from 2024 to 2030

Q.3 What are the major drivers influencing the growth of the based automation market?

Answer: The major drivers for this market are rising demand of IIOT, growing emphasis on regulatory compliances on the adoption of smart and automated solutions, and increasing requirement for efficient monitoring in manufacturing plants across the globe.

Q4. What are the major segments for PC-based automation market?

Answer: The future of the global PC-based automation market looks promising with opportunities in the pharmaceutical, mining & metal, food & beverage, automotive, semiconductor & electronic, and aerospace & defense markets.

Q5. Who are the key PC-based automation market companies?

Answer: Some of the key PC-based automation companies are as follows:

ABB

Advantech

Beckhoff Automation

Emerson Electric

General Electric

Honeywell

IDEC

Kontron S&T

Mitsubishi Electric

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OMRON

Q6. Which PC-based automation market segment will be the largest in future?

Answer: Lucintel forecast that software is expected to witness highest growth over the forecast period owing to its improved scalability and flexibility as compared to hardwares.

Q7. In PC-based automation market, which region is expected to be the largest in next 5 years?

Answer: APAC is expected to witness highest growth over the forecast period due to rapid industralization and growing adoption of automation technology across various end use industries in the region.

Q.8 Do we receive customization in this report?

Answer: Yes, Lucintel provides 10% customization without any additional cost.

This report answers following 11 key questions:

Q.1. What are some of the most promising, high-growth opportunities for the PC-based automation market by offering (hardware and software), component (IPCs, HMIs, PLCs, and SCADA), end use industry (pharmaceuticals, mining & metals, food & beverages, automotive, semiconductor & electronics, and aerospace & defense), and region (North America, Europe, Asia Pacific, and the Rest of the World)?

Q.2. Which segments will grow at a faster pace and why?

Q.3. Which region will grow at a faster pace and why?

Q.4. What are the key factors affecting market dynamics? What are the key challenges and business risks in this market?

Q.5. What are the business risks and competitive threats in this market?

Q.6. What are the emerging trends in this market and the reasons behind them?

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Q.7. What are some of the changing demands of customers in the market?

Q.8. What are the new developments in the market? Which companies are leading these developments?

Q.9. Who are the major players in this market? What strategic initiatives are key players pursuing for business growth?

Q.10. What are some of the competing products in this market and how big of a threat do they pose for loss of market share by material or product substitution?

Q.11. What M&A activity has occurred in the last 5 years and what has its impact been on the industry?

For any questions related to PC-based automation market or related to PC-based automation companies, PC-based automation market size, PC-based automation market share, PC-based automation market growth, PC-based automation market research, write Lucintel analyst at email: helpdesk@lucintel.com we will be glad to get back to you soon.

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7.3: Beckhoff Automation
7.4: Emerson Electric
7.5: General Electric
7.6: Honeywell
7.7: IDEC
7.8: Kontron S&T
7.9: Mitsubishi Electric
7.10: OMRON

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