

Industrial Computers Market By Type (Panel, Box, Embedded Din Rail, Din Rail, Rack Mount, Others), By Technology (Resistive, Capacitive), By End Use (Transportation and Infrastructure, Electronics, Pharmaceuticals, Industrial, Others): Global Opportunity Analysis and Industry Forecast, 2021-2031

Market Report | 2022-11-01 | 251 pages | Allied Market Research

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Report description:

The global industrial computers market was valued at \$4,780.0 million in 2021, and is projected to reach \$8,884.06 million by 2031, registering a CAGR of 6.67% from 2022 to 2031. A commercial computing platform utilized for extensive storage, information processing, and communication applications is referred to as an industrial computer.

They are made specifically to function in harsh conditions like high temperatures, wetness, dust, shocks, and vibrations. Industrial computers can run human-computer interface (HCI) programs efficiently and are frequently used for process and machine automation. They are produced using industrial-grade parts in an enclosed case to shield the contents from dust and particle incursion. Industrial computers use less electricity, are more effective, and have a longer operational life than personal and commercial computers. They consequently have a wide range of uses in many different industries, including semiconductors and electronics, aerospace and defense, chemical, healthcare, and oil and gas.

Due to the high demand for industrial IoT from manufacturing companies, increased awareness of resource optimization in manufacturing firms, and recent advancements in display technology like LCD and OLED displays, the market for industrial computers is anticipated to expand significantly during the forecast period. Furthermore, the industrial computers market is anticipated to increase at a quick rate during the forecast period due to rise in need for smart manufacturing solutions brought on by new technologies in the manufacturing sector, increasing industrialization, and infrastructural development.

However, one of the main challenges limiting the growth of the global industrial computers market is the expensive initial investment as well as data privacy and cybersecurity concerns. The industrial computers market is segmented on the basis of type, technology, end use, and region. On the basis of type, the market is divided into panel, box, embedded din rail, din rail, rack mount, and others. By technology, the market is segmented into capacitive and resistive. By end use, the market is segregated

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into transportation & infrastructure, electronics, pharmaceuticals, industrial, and others.

The key players that operate in the market include Advantech, American Portwell Technology, Avalue Technology, B&R, Beckhoff Automation, DFI, IEL Integration Corporation, Kontron S&T, Nexcom International, and Siemens AG.

Key Benefits For Stakeholders

- This report provides a quantitative analysis of the market segments, current trends, estimations, and dynamics of the industrial computers market analysis from 2021 to 2031 to identify the prevailing industrial computers market opportunities.
- The market research is offered along with information related to key drivers, restraints, and opportunities.
- Porter's five forces analysis highlights the potency of buyers and suppliers to enable stakeholders make profit-oriented business decisions and strengthen their supplier-buyer network.
- In-depth analysis of the industrial computers market segmentation assists to determine the prevailing market opportunities.
- Major countries in each region are mapped according to their revenue contribution to the global market.
- Market player positioning facilitates benchmarking and provides a clear understanding of the present position of the market players.
- The report includes the analysis of the regional as well as global industrial computers market trends, key players, market segments, application areas, and market growth strategies.

Key Market Segments

By Type

- Panel
- Box
- Embedded Din Rail
- Din Rail
- Rack Mount
- Others

By Technology

- Resistive
- Capacitive

By End Use

- Industrial
- Others
- Transportation and Infrastructure
- Electronics
- Pharmaceuticals

By Region

- North America
- U.S.
- Canada
- Mexico
- Europe
- UK
- France
- Germany
- Rest of Europe
- Asia-Pacific
- China
- India
- Japan
- South Korea

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- Rest of Asia-Pacific
- LAMEA
- Latin America
- Middle East
- Africa
- Key Market Players
- AdvanTech Solutions
- American Portwell Technology, Inc.
- Avalue Technology (Taiwan)
- B&R Automation
- Beckhoff Automation
- DFI
- IEI Integration Corporation
- Kontron S&T
- Nexcom International Co., Ltd.
- Siemens AG

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