

Global IPC Board Market Research Report 2024(Status and Outlook)

<https://marketpublishers.com/r/GCB4A303A8F3EN.html>

Date: December 2024

Pages: 161

Price: US\$ 2,800.00 (Single User License)

ID: GCB4A303A8F3EN

Abstracts

Report Overview

The market for Industrial PC (IPC) boards plays a crucial role in various industries, providing robust computing solutions for applications requiring high reliability and performance in harsh environments. IPC boards are characterized by their durability, extended temperature range, and compatibility with industrial peripherals. They are widely used in sectors such as manufacturing, automation, transportation, and healthcare.

As of 2023, the global IPC board market size stands at approximately USD 1.2 billion. The market is expected to grow at a Compound Annual Growth Rate (CAGR) of 6.78% from 2024 to 2032. Several factors are driving this growth, including the increasing demand for automation in industries, the rise of Industrial Internet of Things (IIoT) applications, and the need for rugged computing solutions in challenging environments.

One key trend in the IPC board market is the shift towards edge computing. With the proliferation of IoT devices generating massive amounts of data at the edge of networks, there is a growing need for IPC boards to process and analyze this data in real-time. This trend is driving the adoption of more powerful and efficient IPC boards with enhanced processing capabilities.

Another significant trend is the increasing focus on cybersecurity in industrial environments. As industrial systems become more interconnected, the risk of cyber threats also rises. IPC board manufacturers are responding by integrating advanced security features into their products to protect against cyber attacks and ensure the integrity of industrial operations.

Furthermore, the market is witnessing a growing demand for IPC boards with AI and machine learning capabilities. These technologies are being increasingly deployed in industrial settings to optimize processes, improve predictive maintenance, and enhance overall operational efficiency. IPC boards with built-in AI accelerators are becoming essential for enabling these advanced applications.

In terms of regional market distribution, Asia Pacific is a leading market for IPC boards, driven by the rapid industrialization in countries like China, Japan, and South Korea. The region's dominance can be attributed to factors such as the presence of a large manufacturing base, increasing investments in automation, and the adoption of Industry 4.0 technologies. North America and Europe also hold significant market shares due to the strong presence of key industrial sectors and a focus on technological advancements.

Despite the promising growth prospects, the IPC board market faces challenges such as supply chain disruptions, rising component costs, and the need for skilled personnel to deploy and maintain these sophisticated systems. Addressing these challenges will be crucial for sustaining the market's growth trajectory and meeting the evolving needs of industries leveraging IPC boards.

This report provides a deep insight into the global IPC Board market covering all its essential aspects. This ranges from a macro overview of the market to micro details of the market size, competitive landscape, development trend, niche market, key market drivers and challenges, SWOT analysis, value chain analysis, etc.

The analysis helps the reader to shape the competition within the industries and strategies for the competitive environment to enhance the potential profit. Furthermore, it provides a simple framework for evaluating and accessing the position of the business organization. The report structure also focuses on the competitive landscape of the Global IPC Board Market, this report introduces in detail the market share, market performance, product situation, operation situation, etc. of the main players, which helps the readers in the industry to identify the main competitors and deeply understand the competition pattern of the market.

In a word, this report is a must-read for industry players, investors, researchers, consultants, business strategists, and all those who have any kind of stake or are planning to foray into the IPC Board market in any manner.

Global IPC Board Market: Market Segmentation Analysis

The research report includes specific segments by region (country), manufacturers, Type, and Application. Market segmentation creates subsets of a market based on product type, end-user or application, Geographic, and other factors. By understanding the market segments, the decision-maker can leverage this targeting in the product, sales, and marketing strategies. Market segments can power your product development cycles by informing how you create product offerings for different segments.

Key Company

Advantech

Beckhoff Automation

Kontron

Axiomtek

Portwell

Eurotech

Acrosser Technology

DFI Inc

NEXCOM

WinSystems

Lanner Electronics

IEI Integration Corp

Adlink Technology

AAEON (Asus)

Arbor Technology

Vecow

LEX Computech

Market Segmentation (by Type)

Single Board Computers (SBC)

CPU Board

Computer-on-Module

UPS Motherboard

ARM-based Platforms

Market Segmentation (by Application)

Process Control

Environmental Monitoring

Energy Management

Telecommunications

Aerospace and Defense

Utilities

Others

Geographic Segmentation

North America (USA, Canada, Mexico)

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

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

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

The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

Key Benefits of This Market Research:

Industry drivers, restraints, and opportunities covered in the study

Neutral perspective on the market performance

Recent industry trends and developments

Competitive landscape & strategies of key players

Potential & niche segments and regions exhibiting promising growth covered

Historical, current, and projected market size, in terms of value

In-depth analysis of the IPC Board Market

Overview of the regional outlook of the IPC Board Market:

Key Reasons to Buy this Report:

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change

This enables you to anticipate market changes to remain ahead of your competitors

You will be able to copy data from the Excel spreadsheet straight into your

marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly

Provision of market value (USD Billion) data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

6-month post-sales analyst support

Customization of the Report

In case of any queries or customization requirements, please connect with our sales

team, who will ensure that your requirements are met.

Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the IPC Board Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 10 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 11 provides a quantitative analysis of the market size and development potential of each market segment (product type and application) in the next five years.

Chapter 12 is the main points and conclusions of the report.

Contents

1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE

1.1 Market Definition and Statistical Scope of IPC Board

1.2 Key Market Segments

1.2.1 IPC Board Segment by Type

1.2.2 IPC Board Segment by Application

1.3 Methodology & Sources of Information

1.3.1 Research Methodology

1.3.2 Research Process

1.3.3 Market Breakdown and Data Triangulation

1.3.4 Base Year

1.3.5 Report Assumptions & Caveats

2 IPC BOARD MARKET OVERVIEW

2.1 Global Market Overview

2.1.1 Global IPC Board Market Size (M USD) Estimates and Forecasts (2019-2032)

2.1.2 Global IPC Board Sales Estimates and Forecasts (2019-2032)

2.2 Market Segment Executive Summary

2.3 Global Market Size by Region

2.4 Macroeconomic Analysis

3 IPC BOARD MARKET COMPETITIVE LANDSCAPE

3.1 Global IPC Board Sales by Manufacturers (2019-2024)

3.2 Global IPC Board Revenue Market Share by Manufacturers (2019-2024)

3.3 IPC Board Market Share by Company Type (Tier 1, Tier 2, and Tier 3)

3.4 Global IPC Board Average Price by Manufacturers (2019-2024)

3.5 Manufacturers IPC Board Sales Sites, Area Served, Product Type

3.6 IPC Board Market Competitive Situation and Trends

3.6.1 IPC Board Market Concentration Rate

3.6.2 Global 5 and 10 Largest IPC Board Players Market Share by Revenue

3.6.3 Mergers & Acquisitions, Expansion

4 IPC BOARD INDUSTRY CHAIN ANALYSIS

4.1 IPC Board Industry Chain Analysis

4.2 Market Overview of Key Raw Materials

4.3 Midstream Market Analysis

4.4 Downstream Customer Analysis

5 THE DEVELOPMENT AND DYNAMICS OF IPC BOARD MARKET

5.1 Key Development Trends

5.2 Driving Factors

5.3 Market Challenges

5.4 Market Restraints

5.5 Industry News

5.5.1 New Product Developments

5.5.2 Mergers & Acquisitions

5.5.3 Expansions

5.5.4 Collaboration/Supply Contracts

5.6 Industry Policies

6 IPC BOARD MARKET SEGMENTATION BY TYPE

6.1 Evaluation Matrix of Segment Market Development Potential (Type)

6.2 Global IPC Board Sales Market Share by Type (2019-2024)

6.3 Global IPC Board Market Size Market Share by Type (2019-2024)

6.4 Global IPC Board Price by Type (2019-2024)

7 IPC BOARD MARKET SEGMENTATION BY APPLICATION

7.1 Evaluation Matrix of Segment Market Development Potential (Application)

7.2 Global IPC Board Market Sales by Application (2019-2024)

7.3 Global IPC Board Market Size (M USD) by Application (2019-2024)

7.4 Global IPC Board Sales Growth Rate by Application (2019-2024)

8 IPC BOARD MARKET SALES BY REGION

8.1 Global IPC Board Sales by Region

8.1.1 Global IPC Board Sales by Region

8.1.2 Global IPC Board Sales Market Share by Region

8.2 Global IPC Board Market Size by Region

8.2.1 Global IPC Board Market Size by Region

8.2.2 Global IPC Board Market Size Market Share by Region

8.3 North America

8.3.1 North America IPC Board Sales by Country

8.3.2 North America IPC Board Market Size by Country

8.3.3 U.S. Market Overview

8.3.4 Canada Market Overview

8.3.5 Mexico Market Overview

8.4 Europe

8.4.1 Europe IPC Board Sales by Country

8.4.2 Europe IPC Board Market Size by Country

8.4.3 Germany Market Overview

8.4.4 France Market Overview

8.4.5 U.K. Market Overview

8.4.6 Italy Market Overview

8.4.7 Russia Market Overview

8.5 Asia Pacific

8.5.1 Asia Pacific IPC Board Sales by Region

8.5.2 China

8.5.3 Japan

8.5.4 South Korea

8.5.5 India

8.5.6 Southeast Asia

8.6 Asia Pacific

8.6.1 Asia Pacific IPC Board Market Size by Region

8.6.2 Asia Pacific IPC Board Market Size by Region

8.6.3 China

8.6.4 Japan

8.6.5 South Korea

8.6.6 India

8.6.7 Southeast Asia

8.7 South America

8.7.1 South America IPC Board Sales by Country

8.7.2 South America IPC Board Market Size by Country

8.7.3 Brazil

8.7.4 Argentina

8.7.5 Columbia

8.8 Middle East and Africa

8.8.1 Middle East and Africa IPC Board Sales by Region

8.8.2 Middle East and Africa IPC Board Market Size by Region

8.8.3 Saudi Arabia

- 8.8.4 UAE
- 8.8.5 Egypt
- 8.8.6 Nigeria
- 8.8.7 South Africa

9 IPC BOARD MARKET PRODUCTION BY REGION

- 9.1 Global Production of IPC Board by Region (2019-2024)
- 9.2 Global IPC Board Revenue Market Share by Region (2019-2024)
- 9.3 Global IPC Board Production, Revenue, Price and Gross Margin (2019-2024)
- 9.4 North America IPC Board Production
 - 9.4.1 North America IPC Board Production Growth Rate (2019-2024)
 - 9.4.2 North America IPC Board Production, Revenue, Price and Gross Margin (2019-2024)
- 9.5 Europe IPC Board Production
 - 9.5.1 Europe IPC Board Production Growth Rate (2019-2024)
 - 9.5.2 Europe IPC Board Production, Revenue, Price and Gross Margin (2019-2024)
- 9.6 Japan IPC Board Production (2019-2024)
 - 9.6.1 Japan IPC Board Production Growth Rate (2019-2024)
 - 9.6.2 Japan IPC Board Production, Revenue, Price and Gross Margin (2019-2024)
- 9.7 China IPC Board Production (2019-2024)
 - 9.7.1 China IPC Board Production Growth Rate (2019-2024)
 - 9.7.2 China IPC Board Production, Revenue, Price and Gross Margin (2019-2024)

10 KEY COMPANIES PROFILE

- 10.1 Advantech
 - 10.1.1 Advantech IPC Board Basic Information
 - 10.1.2 Advantech IPC Board Product Overview
 - 10.1.3 Advantech IPC Board Product Market Performance
 - 10.1.4 Advantech Business Overview
 - 10.1.5 Advantech IPC Board SWOT Analysis
 - 10.1.6 Advantech Recent Developments
- 10.2 Beckhoff Automation
 - 10.2.1 Beckhoff Automation IPC Board Basic Information
 - 10.2.2 Beckhoff Automation IPC Board Product Overview
 - 10.2.3 Beckhoff Automation IPC Board Product Market Performance
 - 10.2.4 Beckhoff Automation Business Overview
 - 10.2.5 Beckhoff Automation IPC Board SWOT Analysis

10.2.6 Beckhoff Automation Recent Developments

10.3 Kontron

10.3.1 Kontron IPC Board Basic Information

10.3.2 Kontron IPC Board Product Overview

10.3.3 Kontron IPC Board Product Market Performance

10.3.4 Kontron IPC Board SWOT Analysis

10.3.5 Kontron Business Overview

10.3.6 Kontron Recent Developments

10.4 Axiomtek

10.4.1 Axiomtek IPC Board Basic Information

10.4.2 Axiomtek IPC Board Product Overview

10.4.3 Axiomtek IPC Board Product Market Performance

10.4.4 Axiomtek Business Overview

10.4.5 Axiomtek Recent Developments

10.5 Portwell

10.5.1 Portwell IPC Board Basic Information

10.5.2 Portwell IPC Board Product Overview

10.5.3 Portwell IPC Board Product Market Performance

10.5.4 Portwell Business Overview

10.5.5 Portwell Recent Developments

10.6 Eurotech

10.6.1 Eurotech IPC Board Basic Information

10.6.2 Eurotech IPC Board Product Overview

10.6.3 Eurotech IPC Board Product Market Performance

10.6.4 Eurotech Business Overview

10.6.5 Eurotech Recent Developments

10.7 Acrosser Technology

10.7.1 Acrosser Technology IPC Board Basic Information

10.7.2 Acrosser Technology IPC Board Product Overview

10.7.3 Acrosser Technology IPC Board Product Market Performance

10.7.4 Acrosser Technology Business Overview

10.7.5 Acrosser Technology Recent Developments

10.8 DFI Inc

10.8.1 DFI Inc IPC Board Basic Information

10.8.2 DFI Inc IPC Board Product Overview

10.8.3 DFI Inc IPC Board Product Market Performance

10.8.4 DFI Inc Business Overview

10.8.5 DFI Inc Recent Developments

10.9 NEXCOM

- 10.9.1 NEXCOM IPC Board Basic Information
- 10.9.2 NEXCOM IPC Board Product Overview
- 10.9.3 NEXCOM IPC Board Product Market Performance
- 10.9.4 NEXCOM Business Overview
- 10.9.5 NEXCOM Recent Developments
- 10.10 WinSystems
 - 10.10.1 WinSystems IPC Board Basic Information
 - 10.10.2 WinSystems IPC Board Product Overview
 - 10.10.3 WinSystems IPC Board Product Market Performance
 - 10.10.4 WinSystems Business Overview
 - 10.10.5 WinSystems Recent Developments
- 10.11 Lanner Electronics
 - 10.11.1 Lanner Electronics IPC Board Basic Information
 - 10.11.2 Lanner Electronics IPC Board Product Overview
 - 10.11.3 Lanner Electronics IPC Board Product Market Performance
 - 10.11.4 Lanner Electronics Business Overview
 - 10.11.5 Lanner Electronics Recent Developments
- 10.12 IEI Integration Corp
 - 10.12.1 IEI Integration Corp IPC Board Basic Information
 - 10.12.2 IEI Integration Corp IPC Board Product Overview
 - 10.12.3 IEI Integration Corp IPC Board Product Market Performance
 - 10.12.4 IEI Integration Corp Business Overview
 - 10.12.5 IEI Integration Corp Recent Developments
- 10.13 Adlink Technology
 - 10.13.1 Adlink Technology IPC Board Basic Information
 - 10.13.2 Adlink Technology IPC Board Product Overview
 - 10.13.3 Adlink Technology IPC Board Product Market Performance
 - 10.13.4 Adlink Technology Business Overview
 - 10.13.5 Adlink Technology Recent Developments
- 10.14 AAEON (Asus)
 - 10.14.1 AAEON (Asus) IPC Board Basic Information
 - 10.14.2 AAEON (Asus) IPC Board Product Overview
 - 10.14.3 AAEON (Asus) IPC Board Product Market Performance
 - 10.14.4 AAEON (Asus) Business Overview
 - 10.14.5 AAEON (Asus) Recent Developments
- 10.15 Arbor Technology
 - 10.15.1 Arbor Technology IPC Board Basic Information
 - 10.15.2 Arbor Technology IPC Board Product Overview
 - 10.15.3 Arbor Technology IPC Board Product Market Performance

- 10.15.4 Arbor Technology Business Overview
- 10.15.5 Arbor Technology Recent Developments
- 10.16 Vecow
 - 10.16.1 Vecow IPC Board Basic Information
 - 10.16.2 Vecow IPC Board Product Overview
 - 10.16.3 Vecow IPC Board Product Market Performance
 - 10.16.4 Vecow Business Overview
 - 10.16.5 Vecow Recent Developments
- 10.17 LEX Computech
 - 10.17.1 LEX Computech IPC Board Basic Information
 - 10.17.2 LEX Computech IPC Board Product Overview
 - 10.17.3 LEX Computech IPC Board Product Market Performance
 - 10.17.4 LEX Computech Business Overview
 - 10.17.5 LEX Computech Recent Developments

11 IPC BOARD MARKET FORECAST BY REGION

- 11.1 Global IPC Board Market Size Forecast
- 11.2 Global IPC Board Market Forecast by Region
 - 11.2.1 North America Market Size Forecast by Country
 - 11.2.2 Europe IPC Board Market Size Forecast by Country
 - 11.2.3 Asia Pacific IPC Board Market Size Forecast by Region
 - 11.2.4 South America IPC Board Market Size Forecast by Country
 - 11.2.5 Middle East and Africa Forecasted Sales of IPC Board by Country

12 FORECAST MARKET BY TYPE AND BY APPLICATION (2025-2032)

- 12.1 Global IPC Board Market Forecast by Type (2025-2032)
 - 12.1.1 Global Forecasted Sales of IPC Board by Type (2025-2032)
 - 12.1.2 Global IPC Board Market Size Forecast by Type (2025-2032)
 - 12.1.3 Global Forecasted Price of IPC Board by Type (2025-2032)
- 12.2 Global IPC Board Market Forecast by Application (2025-2032)
 - 12.2.1 Global IPC Board Sales (K Units) Forecast by Application
 - 12.2.2 Global IPC Board Market Size (M USD) Forecast by Application (2025-2032)

13 CONCLUSION AND KEY FINDINGS

I would like to order

Product name: Global IPC Board Market Research Report 2024(Status and Outlook)

Product link: <https://marketpublishers.com/r/GCB4A303A8F3EN.html>

Price: US\$ 2,800.00 (Single User License / Electronic Delivery)

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GCB4A303A8F3EN.html>