

Global Blowers and Fans for Printed Circuit Board (PCB) Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Blowers and Fans for Printed Circuit Board (PCB) market size was valued at USD million in 2023 and is forecast to a readjusted size of USD million by 2030 with a CAGR of % during review period.

Blowers and fans are used in electronic printed circuit boards, as well as other places, to generate more airflow across devices, which are sensitive to increases in temperatures. Due to the amount of heat an electronic device can potentially produce, especially when in confined spaces, where natural airflow is not sufficient to maintain proper operating temperatures of the electronics. Blowers and fans are used to induce air flow and create an air cooling effect for the electronic devices that are generating heat, and also sensitive to increases in temperature.

Due to the amount of computing power found in most desktop style computers, heat is easily generated and often becomes a primary concern for the overall stability and operation of the electrical system. In fact, for some systems, blowers and fans, which generated air, cooled effects, are simply not sufficient, and cannot keep up with the amount of heat load generated. For systems where this is the case – water-cooled systems are required to maintain safe operating conditions for the electrical components. These systems are usually found in large supercomputers and also are found in most server farms.

For most applications blowers and fans suffice. It is also interesting to note, that more and more mobile computing systems are trying to design their systems, so they are power efficient and don't generate as much heat as older systems. This provides a

benefit to the network, as now almost all mobile systems have omitted the use of fans and blowers. By designing more power efficient systems, it now extends the battery life, as it is not required to burn battery power by running blowers and fans.

According to our Semiconductor Research Center, the global total output value of PCB was about US\$ 81 billion in 2022. With strong drivers from new technology, such as AI, 5G and new energy vehicles, it is estimated that the PCB industry will continue to grow steadily in the next six years. Global PCB manufacturers are mainly located in China mainland, China Taiwan, Japan, South Korea, Europe and the United States. Among them, Chinese local PCB companies hold the biggest share.

The Global Info Research report includes an overview of the development of the Blowers and Fans for Printed Circuit Board (PCB) industry chain, the market status of 0-5 W (0-1000 r/min, 1000-2000 r/min), 5-10 W (0-1000 r/min, 1000-2000 r/min), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Blowers and Fans for Printed Circuit Board (PCB).

Regionally, the report analyzes the Blowers and Fans for Printed Circuit Board (PCB) 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 Blowers and Fans for Printed Circuit Board (PCB) market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Blowers and Fans for Printed Circuit Board (PCB) 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 Blowers and Fans for Printed Circuit Board (PCB) 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 sales quantity (K Units), revenue generated, and market share of different by Type (e.g., 0-1000 r/min, 1000-2000 r/min).

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 Blowers and Fans for Printed Circuit Board (PCB) market.

Regional Analysis: The report involves examining the Blowers and Fans for Printed Circuit Board (PCB) 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 Blowers and Fans for Printed Circuit Board (PCB) market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Blowers and Fans for Printed Circuit Board (PCB):

Company Analysis: Report covers individual Blowers and Fans for Printed Circuit Board (PCB) manufacturers, 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 Blowers and Fans for Printed Circuit Board (PCB) This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (0-5 W, 5-10 W).

Technology Analysis: Report covers specific technologies relevant to Blowers and Fans for Printed Circuit Board (PCB). It assesses the current state, advancements, and potential future developments in Blowers and Fans for Printed Circuit Board (PCB) areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Blowers and Fans for Printed Circuit Board (PCB) 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

Blowers and Fans for Printed Circuit Board (PCB) 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 volume and value.

Market segment by Type

0-1000 r/min

1000-2000 r/min

2000-4000 r/min

Above 4000 r/min

Market segment by Application

0-5 W

5-10 W

10-50 W

Above 50 W

Major players covered

DeltaElectronics

Sanyo Denki

Orion Fans

Aavid

Adafruit Industries

ADDA

Advantech

Artesyn

Embedded Technologies

Bud Industries

Comair Rotron

Culina

MfgCorp

Fischer Elektronik

Minebeamistumi

Omron

Schroff GmbH

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

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

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

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Blowers and Fans for Printed Circuit Board (PCB) product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Blowers and Fans for Printed Circuit Board (PCB), with price, sales, revenue and global market share of Blowers and Fans for Printed Circuit Board (PCB) from 2019 to 2024.

Chapter 3, the Blowers and Fans for Printed Circuit Board (PCB) competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Blowers and Fans for Printed Circuit Board (PCB) breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Blowers and Fans for Printed Circuit Board (PCB) market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Blowers and Fans for Printed Circuit Board (PCB).

Chapter 14 and 15, to describe Blowers and Fans for Printed Circuit Board (PCB) sales channel, distributors, customers, research findings and conclusion.

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