

Global Quad-Flat-No-Lead Packaging (QFN) 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 Quad-Flat-No-Lead Packaging (QFN) market size was valued at USD 3952.3 million in 2023 and is forecast to a readjusted size of USD 4489.6 million by 2030 with a CAGR of 1.8% during review period.

Quad-Flat-No-Lead (QFN) packaging is a type of surface-mount integrated circuit (IC) package that provides a compact and low-profile solution for electronic components. It is widely used in various industries, including consumer electronics, telecommunications, automotive, and industrial applications.

QFN packages are designed to have no leads protruding from the sides. Instead, the electrical connections are made through metal pads on the bottom surface of the package. This design allows for a smaller package size and improved thermal and electrical performance compared to traditional leaded packages.

QFN packaging has gained popularity in the electronics industry due to its compact size, good thermal performance, and reliability. It enables the development of smaller and more powerful electronic devices while optimizing space utilization on PCBs.

Global key players of Quad-Flat-No-Lead Packaging(QFN) include ASE(SPIL), Amkor Technology, JCET Group, Powertech Technology Inc. and Tongfu Microelectronics, etc. Top five players occupy for a share about 70%. Asia-Pacific is the largest market, with a share about 77%, followed by Europe and North America. In terms of product, Sawn Type is the largest segment, with a share over 63%. In terms of Package Size, Above 5x5 to 7x7 is the largest market, with a share over 28%.

The Global Info Research report includes an overview of the development of the Quad-Flat-No-Lead Packaging (QFN) industry chain, the market status of Automotive (Punched Type, Sawn Type), Consumer Electronics (Punched Type, Sawn Type), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Quad-Flat-No-Lead Packaging (QFN).

Regionally, the report analyzes the Quad-Flat-No-Lead Packaging (QFN) 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 Quad-Flat-No-Lead Packaging (QFN) market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Quad-Flat-No-Lead Packaging (QFN) 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 Quad-Flat-No-Lead Packaging (QFN) 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 (KK PCS), revenue generated, and market share of different by Type (e.g., Punched Type, Sawn Type).

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 Quad-Flat-No-Lead Packaging (QFN) market.

Regional Analysis: The report involves examining the Quad-Flat-No-Lead Packaging (QFN) 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 Quad-Flat-No-Lead Packaging (QFN) market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Quad-Flat-No-Lead Packaging (QFN):

Company Analysis: Report covers individual Quad-Flat-No-Lead Packaging (QFN) 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 Quad-Flat-No-Lead Packaging (QFN). This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Automotive, Consumer Electronics).

Technology Analysis: Report covers specific technologies relevant to Quad-Flat-No-Lead Packaging (QFN). It assesses the current state, advancements, and potential future developments in Quad-Flat-No-Lead Packaging (QFN) areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Quad-Flat-No-Lead Packaging (QFN) 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

Quad-Flat-No-Lead Packaging (QFN) 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

Punched Type

Sawn Type

Market segment by Application

Automotive

Consumer Electronics

Industrial

Communications

Others

Major players covered

ASE(SPIL)

Amkor Technology

JCET Group

Powertech Technology Inc.

Tongfu Microelectronics

Tianshui Huatian Technology

UTAC

Orient Semiconductor

ChipMOS

King Yuan Electronics

SFA Semicon

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 Quad-Flat-No-Lead Packaging (QFN) product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Quad-Flat-No-Lead Packaging (QFN), with price, sales, revenue and global market share of Quad-Flat-No-Lead Packaging (QFN) from 2019 to 2024.

Chapter 3, the Quad-Flat-No-Lead Packaging (QFN) competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Quad-Flat-No-Lead Packaging (QFN) 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 Quad-Flat-No-Lead Packaging (QFN) 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 Quad-Flat-No-Lead Packaging (QFN).

Chapter 14 and 15, to describe Quad-Flat-No-Lead Packaging (QFN) sales channel, distributors, customers, research findings and conclusion.

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