

Global Quantum Computing Market 2024 by Company, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Quantum Computing market size was valued at USD 242.3 million in 2023 and is forecast to a readjusted size of USD 1849.3 million by 2030 with a CAGR of 33.7% during review period.

Quantum Computing, this branch of computer science is based on the principles of the superposition of matter and quantum entanglement and uses a different computation method from the traditional one. In theory, it would be able to store many more states per unit of information and operate with much more efficient algorithms at the numerical level, such as Shor's or quantum annealing.

The Quantum Computing market covers Hardware, Software, etc. The typical players include D-Wave Solutions, IBM, Google, etc.

Global key players of Quantum Computing include D-Wave Solutions, IBM, ColdQuanta, Google, Microsoft and Rigetti Computing, etc. Top five players occupy for a share about 48%. North America is the largest market, with a share about 54%, followed by Asia-Pacific and Europe. In terms of product, Hardware is the largest segment, with a share over 82%. In terms of application, Medical is the largest market, with a share over 25%.

The Global Info Research report includes an overview of the development of the Quantum Computing industry chain, the market status of Medical (Hardware, Software), Chemistry (Hardware, Software), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Quantum Computing.

Regionally, the report analyzes the Quantum Computing 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 Quantum Computing market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Quantum Computing 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 Quantum Computing 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 revenue generated, and market share of different by Type (e.g., Hardware, Software).

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 Quantum Computing market.

Regional Analysis: The report involves examining the Quantum Computing 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 Quantum Computing market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Quantum Computing:

Company Analysis: Report covers individual Quantum Computing players, 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 Quantum Computing. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Medical, Chemistry).

Technology Analysis: Report covers specific technologies relevant to Quantum Computing. It assesses the current state, advancements, and potential future developments in Quantum Computing areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Quantum Computing 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

Quantum Computing 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 value.

Market segment by Type

Hardware

Software

Cloud Service

Market segment by Application

Medical

Chemistry

Transportation

Manufacturing

Others

Market segment by players, this report covers

D-Wave Solutions

IBM

Google

Microsoft

Rigetti Computing

Intel

Origin Quantum Computing Technology

Anyon Systems Inc.

Cambridge Quantum Computing Limited

ColdQuanta

1QBit

Xanadu Quantum Technologies

Honeywell

Zapata Computing

Fujitsu

QC Ware

Ion Q

Market segment by regions, regional analysis covers

North America (United States, Canada, and Mexico)

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

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

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

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

Chapter 1, to describe Quantum Computing product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Quantum Computing, with revenue, gross margin and global market share of Quantum Computing from 2019 to 2024.

Chapter 3, the Quantum Computing competitive situation, revenue and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and application, with consumption value and growth rate by Type, application, from 2019 to 2030.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2019 to 2024. and Quantum Computing market forecast, by regions, type and application, with consumption value, from 2025 to 2030.

Chapter 11, market dynamics, drivers, restraints, trends and Porters Five Forces

analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of Quantum Computing.

Chapter 13, to describe Quantum Computing research findings and conclusion.

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