

Global Quantum Computer Hardware Market Growth 2023-2029

<https://marketpublishers.com/r/G9967781723DEN.html>

Date: June 2023

Pages: 114

Price: US\$ 3,660.00 (Single User License)

ID: G9967781723DEN

Abstracts

The report requires updating with new data and is sent in 48 hours after order is placed.

The global Quantum Computer Hardware market size is projected to grow from US\$ million in 2022 to US\$ million in 2029; it is expected to grow at a CAGR of % from 2023 to 2029.

United States market for Quantum Computer Hardware is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

China market for Quantum Computer Hardware is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

Europe market for Quantum Computer Hardware is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

Global key Quantum Computer Hardware players cover IBM, Google, Microsoft, Rigetti Computing, IonQ, Honeywell, Alibaba Quantum Laboratory, D-Wave Systems and Fujitsu, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2022.

Quantum computer hardware refers to the physical components that make up a quantum computer, which is a type of computer that uses quantum mechanics to process information. Unlike classical computers that use bits to represent information, quantum computers use qubits, which can exist in multiple states simultaneously, allowing for much faster and more powerful computation.

The upstream industry chain of quantum computer hardware includes the production of raw materials such as silicon and superconducting materials, as well as the development of quantum algorithms and software. The downstream industry chain includes the integration of quantum hardware with classical computing systems and the development of applications that can take advantage of quantum computing's unique capabilities.

Currently, the world market share of quantum computer hardware is concentrated in North America, Europe, and Asia-Pacific regions. In North America, the United States is the largest market for quantum computer hardware, followed by Canada. In Europe, the United Kingdom, Germany, and France are the major markets. In Asia-Pacific, China, Japan, and South Korea are the main markets.

LPI (LP Information)' newest research report, the "Quantum Computer Hardware Industry Forecast" looks at past sales and reviews total world Quantum Computer Hardware sales in 2022, providing a comprehensive analysis by region and market sector of projected Quantum Computer Hardware sales for 2023 through 2029. With Quantum Computer Hardware sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Quantum Computer Hardware industry.

This Insight Report provides a comprehensive analysis of the global Quantum Computer Hardware landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Quantum Computer Hardware portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Quantum Computer Hardware market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Quantum Computer Hardware and breaks down the forecast by type, by application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Quantum Computer Hardware.

This report presents a comprehensive overview, market shares, and growth opportunities of Quantum Computer Hardware market by product type, application, key

manufacturers and key regions and countries.

Market Segmentation:

Segmentation by type

Quantum Computer Processor

Quantum Computer Memory

Quantum Computer Electrical Components

Segmentation by application

Telecommunication

Scientific Research

Finance and Business

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

IBM

Google

Microsoft

Rigetti Computing

IonQ

Honeywell

Alibaba Quantum Laboratory

D-Wave Systems

Fujitsu

Intel

NEC Corporation

PsiQuantum

Xanadu

Zapata Computing

QUDCOR

Key Questions Addressed in this Report

What is the 10-year outlook for the global Quantum Computer Hardware market?

What factors are driving Quantum Computer Hardware market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Quantum Computer Hardware market opportunities vary by end market size?

How does Quantum Computer Hardware break out type, application?

What are the influences of COVID-19 and Russia-Ukraine war?

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