

Global Quantum Communication Supply, Demand and Key Producers, 2023-2029

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Abstracts

The global Quantum Communication market size is expected to reach \$ 5219.5 million by 2029, rising at a market growth of 24.6% CAGR during the forecast period (2023-2029).

The key manufacturers of Quantum Communication is MagiQ Technologies, ID Quantique, QuantumCTek, Toshiba, CAS Quantum Network, Crypta Labs, NEC, Qubitekk and QuintessenceLabs, among which the top two manufacturers account for nearly 40% of the market share, and the largest manufacturer is MagiQ Technologies. Global quantum communication is mainly distributed in North America, Europe, Asia-Pacific, Latin America, the Middle East and Africa, among which the top three regions account for nearly 95% of the market share. At present, the Asia-Pacific region has the largest market share, nearly 40%, followed by North America and Europe. As far as products are concerned, they can be divided into hardware, software and services, with a growth rate of about 20%. At present, the market share of hardware is close to 50%. In terms of application, government is the largest application field, with a current market share of nearly 30%, followed by defense, military and telecommunication.

Quantum communication is a new type of communication method that uses quantum superposition and entanglement effects to transmit information. Based on the three principles of uncertainty, measurement collapse and non-cloning in quantum mechanics, it provides an absolute security guarantee that cannot be eavesdropped and calculated. The main division is quantum key distribution and quantum teleportation.

This report studies the global Quantum Communication demand, key companies, and key regions.

This report is a detailed and comprehensive analysis of the world market for Quantum Communication, and provides market size (US\$ million) and Year-over-Year (YoY) growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Quantum Communication that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Quantum Communication total market, 2018-2029, (USD Million)

Global Quantum Communication total market by region & country, CAGR, 2018-2029, (USD Million)

U.S. VS China: Quantum Communication total market, key domestic companies and share, (USD Million)

Global Quantum Communication revenue by player and market share 2018-2023, (USD Million)

Global Quantum Communication total market by Type, CAGR, 2018-2029, (USD Million)

Global Quantum Communication total market by Application, CAGR, 2018-2029, (USD Million)

This reports profiles major players in the global Quantum Communication market based on the following parameters – company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include MagiQ Technologies, ID Quantique, QuantumCTek, Toshiba, CAS Quantum Network, Crypta Labs, NEC, Qubitekk and QuintessenceLabs, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Quantum Communication market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), by player, by regions, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Quantum Communication Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Quantum Communication Market, Segmentation by Type

Hardware

Software

Service

Global Quantum Communication Market, Segmentation by Application

Government

Military and Defense

Telecommunication

BFSI

Enterprise

Industrial

Others

Companies Profiled:

MagiQ Technologies

ID Quantique

QuantumCTek

Toshiba

CAS Quantum Network

Crypta Labs

NEC

Qubitekk

QuintessenceLabs

Arqit

Beijing ZhongChuangWei

KETS Quantum

SpeQtral

Crypto Quantique

Ki3 Photonics

Anhui Qasky Quantum Technology

QEYnet

QuantLR

Qunnect

GoQuantum

Nu Quantum

Quantum Xchange

Qulabs

Quantropi

Aliro Quantum

Aegiq

Qudoor

Quantum Telecommunications Italy (QTI)

nodeQ

ThinkQuantum

Key Questions Answered

1. How big is the global Quantum Communication market?

Global Quantum Communication Supply, Demand and Key Producers, 2023-2029

2. What is the demand of the global Quantum Communication market?
3. What is the year over year growth of the global Quantum Communication market?
4. What is the total value of the global Quantum Communication market?
5. Who are the major players in the global Quantum Communication market?
6. What are the growth factors driving the market demand?

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