

Global Quantum Cryptography and Encryption Market 2025 by Company, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Quantum Cryptography and Encryption market size was valued at US\$ 4074 million in 2024 and is forecast to a readjusted size of USD 5277 million by 2031 with a CAGR of 3.8% during review period.

This report is a detailed and comprehensive analysis for global Quantum Cryptography and Encryption market. Both quantitative and qualitative analyses are presented by company, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Quantum Cryptography and Encryption market size and forecasts, in consumption value (\$ Million), 2020-2031

Global Quantum Cryptography and Encryption market size and forecasts by region and country, in consumption value (\$ Million), 2020-2031

Global Quantum Cryptography and Encryption market size and forecasts, by Type and by Application, in consumption value (\$ Million), 2020-2031

Global Quantum Cryptography and Encryption market shares of main players, in revenue (\$ Million), 2020-2025

The Primary Objectives in This Report Are:

Global Quantum Cryptography and Encryption Market 2025 by Company, Regions, Type and Application, Forecast to...

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Quantum Cryptography and Encryption

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Quantum Cryptography and Encryption 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 ID Quantique, Qrypt, Single Quantum, Post-Quantum, Crypto Quantique, CryptoNext Security, Quantum Resistant Ledger, InfiniQuant, Agnostiq, ISARA Corporation, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market segmentation

Quantum Cryptography and Encryption market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for Consumption Value by Type and by Application. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

- Code-based
- Lattice-based
- Others

Market segment by Application

- Financial
- Government
- Military & Defense
- Others

Market segment by players, this report covers

- ID Quantique
- Qrypt
- Single Quantum
- Post-Quantum
- Crypto Quantique
- CryptoNext Security

- Quantum Resistant Ledger
- InfiniQuant
- Agnostiq
- ISARA Corporation
- KETS Quantum Security
- MagiQ Technologies
- PQShield
- Qabacus
- Qaisec
- Qasky Quantum Technology

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 and Rest of Asia-Pacific)

South America (Brazil, 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 Cryptography and Encryption product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Quantum Cryptography and Encryption, with revenue, gross margin, and global market share of Quantum Cryptography and Encryption from 2020 to 2025.

Chapter 3, the Quantum Cryptography and Encryption 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 by Application, with consumption value and growth rate by Type, by Application, from 2020 to 2031

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 2020 to 2025.and

Quantum Cryptography and Encryption market forecast, by regions, by Type and by Application, with consumption value, from 2026 to 2031.

Chapter 11, market dynamics, drivers, restraints, trends, Porters Five Forces analysis.

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

Chapter 13, to describe Quantum Cryptography and Encryption research findings and conclusion.

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