

Quantum Cryptography Market - Forecasts From 2018 to 2023

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Abstracts

The quantum cryptography market was valued at US\$185.737 million in 2017 and is expected to grow at a CAGR of 28.44% over the forecast period to reach a total market size of US\$834.066 million by 2023. Rising incidence of cyber-attacks and their increasing severity has been increasing concerns among enterprises regarding data security and privacy. As enterprises across industries continue to migrate towards cloud, the losses resulting from cyber-attacks have been increasing, thus increasing the need among enterprises to adopt stronger encryption techniques. This is increasing the adoption of quantum cryptography, thus boosting the growth of the market. However, since this technology is new, there is still low awareness among many enterprises regarding it. This is one of the factors hindering the growth of the market. Yet, the market is expected to witness a solid growth as companies continue to increase their IT budgets and apportion a good share of it towards security.

This research study examines the current market trends related to the demand, supply, and sales, in addition to the recent developments. Major drivers, restraints, and opportunities have been covered to provide an exhaustive picture of the market. The analysis presents in-depth information regarding the development, trends, and industry policies and regulations implemented in each of the geographical regions. Further, the overall regulatory framework of the market has been exhaustively covered to offer stakeholders a better understanding of the key factors affecting the overall market environment.

Identification of key industry players in the industry and their revenue contribution to the overall business or relevant segment aligned to the study has been covered as a part of competitive intelligence done through extensive secondary research. Various studies and data published by industry associations, analyst reports, investor presentations,

press releases and journals among others have been taken into consideration while conducting the secondary research. Both bottom-up and top down approaches have been utilized to determine the market size of the overall market and key segments. The values obtained are correlated with the primary inputs of the key stakeholders in the quantum cryptography value chain. Last step involves complete market engineering which includes analysing the data from different sources and existing proprietary datasets while using various data triangulation methods for market breakdown and forecasting.

Market intelligence is presented in the form of analysis, charts, and graphics to help the clients in gaining faster and efficient understanding of the quantum cryptography market.

Major industry players profiled as part of the report are ID Quantique, MagiQ Technologies, Inc., QuintessenceLabs, NuCrypt, Anhui Qasky Science and Technology Limited Liability Company, Crypta Labs Ltd, Qubitekk, PQ Solutions Limited and Infineon Technologies.

Segmentation

The quantum cryptography market is segmented by component, enterprise size, application, end-user industry and geography.

By Component

Hardware

Software

Services

By Enterprise Size

Small

Medium

Large

By Application

Network Security

Database Encryption

Application Security

Others

By End-User Industry

Communication and Technology

Government

Military and Defence

Retail

Healthcare

BFSI

Others

By Geography

North America

South America

Europe

Middle East and Africa

Asia Pacific

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5.2. Software

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6. QUANTUM CRYPTOGRAPHY MARKET BY ENTERPRISE SIZE

6.1. Small

6.2. Medium

6.3. Large

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- 7.1. Network Security
- 7.2. Database Encryption
- 7.3. Application Security
- 7.4. Others

8. QUANTUM CRYPTOGRAPHY MARKET BY END-USER INDUSTRY

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