

# **Global Quantum Cryptography Market Size study, by Offering (Solutions, Services) by Application (Network Security, Application Security, Database Security) by End User (IT & Telecommunications, BFSI, Government & Defense, Healthcare, Others) and Regional Forecasts 2020-2027**

<https://marketpublishers.com/r/G2BE57CDDAF2EN.html>

Date: June 2020

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: G2BE57CDDAF2EN

## **Abstracts**

Global Quantum Cryptography Market is valued approximately at USD 142.53 million in 2019 and is anticipated to grow with a healthy growth rate of more than 38.2% over the forecast period 2020-2027. Quantum Cryptography incorporates the application of physics data with an objective to develop a cryptosystem that is not easily exploitable. It is an type of coding in which the program writer converts math to physics for higher security reasons. Quantum cryptography aims at the fortification of data or the valuable information of the association from hackers or code breakers. Quantum Key distribution (QKD) is an enormously popular cryptographic application. It includes encoding and sending the needed information for decryption. The Quantum cryptography market is chiefly driven owing to surging cyber-attacks incidents in the trending era of digitalization and escalating cyber security funding by both public and private organizations. As in March 2018, SamSam ransomware cyberattack was activated in Atlanta, US. The cyberattack consisted guesstimating weak passwords and encrypting files leading to data leakage and financial losses. Hence the rising cases of cyberattacks drive the market towards growth. Also, as in April 2020, the government of India, collaborated with the Data Security Council of India (DSCI) to establish a national center of excellence with an aim to increase innovation in the Indian cybersecurity market. Furthermore, rising demand for next-gen security solutions and surging need for integrations solutions in the business world fuels the market growth. However, lack of skilled expertise impedes the growth of the market over the forecast period of

2020-2027.

The regional analysis of global Quantum Cryptography market is considered for the key regions such as Asia Pacific, North America, Europe, Latin America and Rest of the World. North America is the leading/significant region across the world in terms of market share owing to the high adoption of advanced technology in the region coupled with increased demand for high security and integrated solutions. Whereas, Asia-Pacific is also anticipated to exhibit highest growth rate / CAGR over the forecast period 2020-2027. Factors such as rising digitalization coupled with increasing investments in increasing security would create lucrative growth prospects for the Quantum Cryptography market across Asia-Pacific region.

Major market player included in this report are:

ID Quantiques SA

Anhui Qasky Science and Technology Ltd

MagiQ Technologies

Quintessence Labs Pty Ltd.

1QBit Information Technologies

River Lane Research

Accenture Plc

Interuniversity Microelectronics Centre (Imec)

Airbus SE

Aliyun / Alibaba Cloud

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Offering:

Solutions

Services

By Application:

Network Security

Application Security

Database Security

By End User:

IT & Telecommunications

BFSI

Government & Defense

Healthcare

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2017, 2018

Base year – 2019

Forecast period – 2020 to 2027

Target Audience of the Global Quantum Cryptography Market in Market Study:

Key Consulting Companies & Advisors  
Large, medium-sized, and small enterprises  
Venture capitalists  
Value-Added Resellers (VARs)  
Third-party knowledge providers  
Investment bankers  
Investors

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MagiQ Technologies  
Quintessence Labs Pty Ltd.  
1QBit Information Technologies  
River Lane Research  
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