

North America Quantum Cryptography Market 2021-2031 by Component, Application (Network Security, Application Security, Database Encryption), Algorithm Type (Symmetric Key, Asymmetric Key), Industry Vertical, Organization Size (SMEs, Large Enterprises), and Country: Trend Forecast and Growth Opportunity

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Abstracts

North America quantum cryptography market is projected to grow by 26.1% annually in the forecast period and reach \$1,335.2 million by 2031, driven by the growing cyber-attacks incidents due to rapid digitalization, increasing funding for cybersecurity, rising adoption of next-generation security solutions for cloud and IoT, and evolving next-generation wireless network technologies.

Highlighted with 25 tables and 58 figures, this 121-page report “North America Quantum Cryptography Market 2021-2031 by Component, Application (Network Security, Application Security, Database Encryption), Algorithm Type (Symmetric Key, Asymmetric Key), Industry Vertical, Organization Size (SMEs, Large Enterprises), and Country: Trend Forecast and Growth Opportunity” is based on a comprehensive research of the entire North America quantum cryptography market and all its sub-segments through extensively detailed classifications. Profound analysis and assessment are generated from premium primary and secondary information sources with inputs derived from industry professionals across the value chain. The report is based on studies on 2019-2021 and provides forecast from 2022 till 2031 with 2021 as the base year. (Please note: The report will be updated before delivery so that the latest historical year is the base year and the forecast covers at least 5 years over the base year.)

In-depth qualitative analyses include identification and investigation of the following aspects:

Market Structure

Growth Drivers

Restraints and Challenges

Emerging Product Trends & Market Opportunities

Porter's Fiver Forces

The trend and outlook of North America market is forecast in optimistic, balanced, and conservative view by taking into account of COVID-19 and Russia-Ukraine conflict. The balanced (most likely) projection is used to quantify North America quantum cryptography market in every aspect of the classification from perspectives of Component, Application, Algorithm Type, Industry Vertical, Organization Size, and Country.

Based on Component, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2021-2031 included in each section.

Hardware with Embedded Software

Servers

Blades

R&D Platforms

Random Number Generators

Independent Cryptography Solutions/Software

Encryption

Transmission

Post-Quantum Cryptography

Crypto Libraries

Services

Deployment and Integration

Support and Maintenance

Consulting & Advisory

Based on Application, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2021-2031 included in each section.

Network Infrastructure Security

Application Security

Database Encryption

By Algorithm Type, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2021-2031 included in each section.

Symmetric Key

Asymmetric Key

By Industry Vertical, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2021-2031 included in each section.

Pharmaceutical and Healthcare

BFSI

Government and Public Services

Aerospace and Defense

Energy and Power

Automotive and Transportation

Chemical Industry

IT and Telecom

Manufacturing Industry

Other Industry Verticals

By Organization Size, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2021-2031 included in each section.

SMEs

Large Enterprises

Geographically, the following national/local markets are fully investigated:

U.S.

Canada

Mexico

For each key country, detailed analysis and data for annual revenue (\$ mn) are available for 2021-2031. The breakdown of national markets by Component?Application and Industry Vertical over the forecast years are also included.

The report also covers current competitive scenario and the predicted trend; and profiles key vendors including market leaders and important emerging players.

Selected Key Players:

Anhui Qasky Quantum Technology Co., Ltd.

Aurea Technologies Inc.

Crypta Labs Ltd.

Hewlett-Packard Development Company, L.P. (HP)

ID Quantique SA (SK Telecom Co., Ltd.)

Infineon Technologies AG

International Business Machines Corp. (IBM)

ISARA Corporation

MagiQ Technologies Inc.

Mitsubishi Electric Corporation

NEC Corporation

NuCrypt LLC

PQ Solutions Limited

Quantum Xchange

QuantumCTek Co., Ltd.

Qubitekk Inc.

QuintessenceLabs Pty Ltd.

QuNu Labs Pvt. Ltd

Qutools GmbH

Raytheon Technologies Corp.

Toshiba Corp.

(Please note: The report will be updated before delivery so that the latest historical year is the base year and the forecast covers at least 5 years over the base year.)

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ID Quantique SA (SK Telecom Co., Ltd.)

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