

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 cyberattacks 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 subsegments 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 submarkets 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



Post-Quantum Cryptography

Crypto Libraries

Transmission

### Services

Deployment and Integration

Support and Maintenance

Consulting & Advisory

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

Symmetric Key

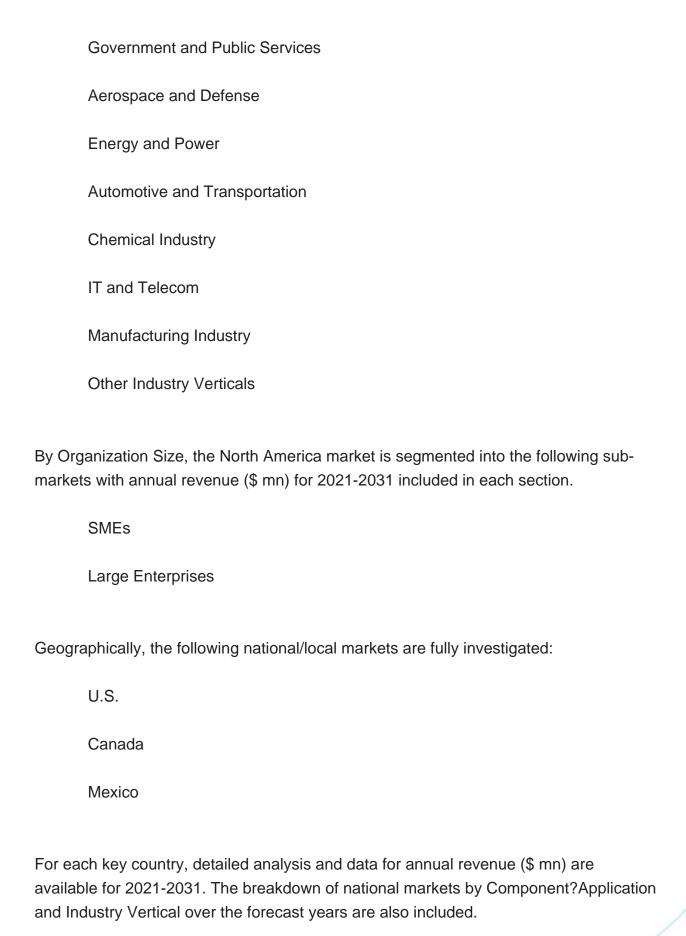
Asymmetric Key

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

Pharmaceutical and Healthcare

**BFSI** 







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 L	₋abs l	Pvt.	Ltd
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**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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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

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