

North America Quantum Key Distribution (QKD) Market 2021-2031 by Component (Hardware, Software, Services), Security Type (Application, Network), Industry Vertical, and Country: Trend Forecast and Growth Opportunity

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Abstracts

North America quantum key distribution (QKD) market is projected to grow by 29.6% annually in the forecast period and reach \$3,758.0 million by 2031, driven by the rising need for data security, expanding R&D investment, updating reliable network infrastructure, and the increasing specialized projects sponsored by governments and the largest financial institutions to large data centers.

Highlighted with 26 tables and 40 figures, this 100-page report “North America Quantum Key Distribution (QKD) Market 2021-2031 by Component (Hardware, Software, Services), Security Type (Application, Network), Industry Vertical, and Country: Trend Forecast and Growth Opportunity” is based on a comprehensive research of the entire North America quantum key distribution (QKD) 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 key distribution (QKD) market in every aspect of the classification from perspectives of Component, Security Type, Industry Vertical, 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

QKD Infrastructure

Fiber Optic Infrastructure

Satellite and Aircraft to Ground Infrastructure

Terrestrial Line of Site Infrastructure

Quantum Infrastructure

Related Equipment and Components

Software

Services

Professional Services

Deployment & Integration

Support & Maintenance

Training & Consulting

Managed Services

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

Application Security

Network Security

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.

Bank and Financial Industry

General Business Communication

Healthcare Applications

Infrastructure & Datacenter Protection

IT & Telecom

Military & Defense

Domestic Security and Intelligence Service

Government & Civil Service

Other Industry Verticals

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, Security Type 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:

ABB

Anhui Qasky Quantum Technology Co., Ltd.

IBM Corporation

ID Quantique

KETS quantum Security

MagiQ Technologies, Inc.

Nippon Telegraph and Telephone (NTT)

Nucrypt LLC

Oki Electric

Qasky

QuantumCTek Co., Ltd.

QuantumXchange, Inc.

Qubitekk, Inc.

Quintessence Labs

Raytheon

SeQureNet

SK Telecom

Toshiba Corporation

Universal Quantum Devices

ZTE

(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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- Nippon Telegraph and Telephone (NTT)
- Nucrypt LLC
- Oki Electric

Qasky

QuantumCTek Co., Ltd.

QuantumXchange, Inc.

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