

North America Quantum Technology Market 2021-2031 by Component (Hardware, Software, Services), Technology (Computing, Cryptography, Sensing and Imaging, QDP, QCL, Magnetometer, QKD), Deployment Mode (On-premise, Cloud-based, Hybrid), Connectivity (Cellular, Non-Cellular), Industry Vertical, and Country: Trend Forecast and Growth Opportunity

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Abstracts

North America quantum technology market is projected to grow by 22.0% annually in the forecast period and reach \$21,639.9 million by 2031, driven by the rising demand for reliable network and computing, the growing government and private venture funding for quantum technologies, increasing R&D expenditure, and the expanding applications of quantum technology in various industrial sectors.

Highlighted with 24 tables and 57 figures, this 119-page report "North America Quantum Technology Market 2021-2031 by Component (Hardware, Software, Services), Technology (Computing, Cryptography, Sensing and Imaging, QDP, QCL, Magnetometer, QKD), Deployment Mode (On-premise, Cloud-based, Hybrid), Connectivity (Cellular, Non-Cellular), Industry Vertical, and Country: Trend Forecast and Growth Opportunity" is based on a comprehensive research of the entire North America quantum technology 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 technology market in every aspect of the classification from perspectives of Component, Technology, Deployment Mode, Connectivity, Industry Vertical, 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

Software

Services

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

Quantum Computing

Quantum Cryptography Communication

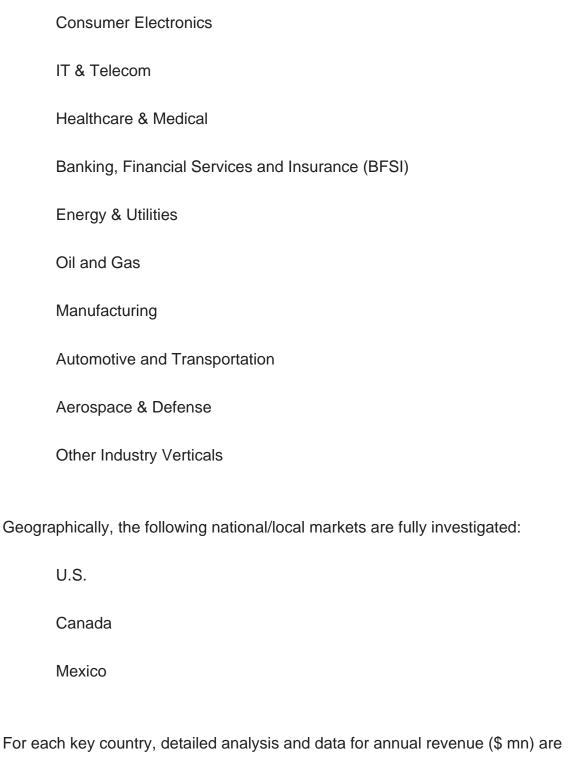


Quantum Sensing and Imaging		
Quantum Dots Particles (QDP)		
Quantum Cascade Laser (QCL)		
Quantum Magnetometer		
Quantum Key Distribution (QKD)		
By Deployment, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2021-2031 included in each section.		
On-premise Deployment		
Cloud-based Deployment		
Private Cloud		
Public Cloud		
Hybrid Deployment		
By Connectivity, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2021-2031 included in each section.		
Cellular Connectivity		
3G		
4G LTE		
5G/6G		

Non-Cellular/IoT Connectivity



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



For each key country, detailed analysis and data for annual revenue (\$ mn) are available for 2021-2031. The breakdown of national markets by Technology, Deployment Mode 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.



Tencent Quantum Lab

Selected Key Players:
Aliro Quantum
Alphabet Inc. (Google)
D-Wave Systems, Inc.
Gem Systems
Hewlett Packard Enterprise
Honeywell International Inc (Quantinuum)
Intel Corporation
International Business Machines Corporation (IBM)
KETS Quantum Security
Microsoft Corporation
M-Squared Lasers Limited
NEC Corporation
QD Laser Co. Inc.
Quantum Brilliance
Quantum Computing Inc.
Qubitekk
Robert Bosch GmbH



Toshiba Corporation

ZTE Corporation

(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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D-Wave Systems, Inc.

Gem Systems

Hewlett Packard Enterprise

Honeywell International Inc (Quantinuum)

Intel Corporation

International Business Machines Corporation (IBM)

KETS Quantum Security

Microsoft Corporation

M-Squared Lasers Limited

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