

Global Quantum Key Distribution (QKD) Production, Demand and Key Producers, 2022-2028

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Abstracts

Quantum Key Distribution (QKD) uses physics instead of mathematics to encode messages, which provides greater security. The genesis of QKD (Quantum Key Distribution) traces back to the late 1960s, when Stephen Wiesner first proposed the idea of encoding information on photons to securely transfer messages. In 1984, the physicist Charles Bennett and cryptographer Gilles Brassard worked together to mature this idea by introducing the first QKD protocol, known as “BB84”. Five years later, they built the first QKD prototype system which was said to be “secure against any eavesdropper who happened to be deaf” as it made audible noises while encoding crypto key onto single photons.

This report studies the global Quantum Key Distribution (QKD) demand, key companies, and key regions.

This report is a detailed and comprehensive analysis of the world market for Quantum Key Distribution (QKD), and provides market size (US\$ million) and Year-over-Year (YoY) growth, considering 2021 as the base year. This report explores demand trends and competition, as well as details the characteristics of Quantum Key Distribution (QKD) that contribute to its increasing demand across many markets.

The global Quantum Key Distribution (QKD) market size is expected to reach \$ 4829 million by 2028, rising at a market growth of 18.7% CAGR during the forecast period (2022-2028).

Highlights and key features of the study

Global Quantum Key Distribution (QKD) total market, 2017-2028, (USD Million)

Global Quantum Key Distribution (QKD) total market by region & country, CAGR, 2017-2028, (USD Million)

U.S. VS China: Quantum Key Distribution (QKD) total market, key domestic companies and share, (USD Million)

Global Quantum Key Distribution (QKD) revenue by player and market share 2017-2022, (USD Million)

Global Quantum Key Distribution (QKD) total market by Type, CAGR, 2017-2028, (USD Million)

Global Quantum Key Distribution (QKD) total market by Application, CAGR, 2017-2028, (USD Million)

This reports profiles major players in the global Quantum Key Distribution (QKD) market based on the following parameters – company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include ID Quantique, SeQureNet, Quintessence Labs, MagiQ Technologies, Toshiba, QuantumCTek, Qasky and Qudoor, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Quantum Key Distribution (QKD) market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), by player, by regions, by Type, and by Application. Data is given for the years 2017-2028 by year with 2021 as the base year, 2022 as the estimate year, and 2028 as the forecast year.

Global Quantum Key Distribution (QKD) Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Quantum Key Distribution (QKD) Market, Segmentation by Type

Type I

Type II

Global Quantum Key Distribution (QKD) Market, Segmentation by Application

Financial

Government

Military & Defense

Others

Companies Profiled:

ID Quantique

SeQureNet

Quintessence Labs

MagiQ Technologies

Toshiba

QuantumCTek

Qasky

Qudoor

Key Questions Answered

1. How big is the global Quantum Key Distribution (QKD) market?
2. What is the demand of the global Quantum Key Distribution (QKD) market?
3. What is the year over year growth of the global Quantum Key Distribution (QKD) market?
4. What is the total value of the global Quantum Key Distribution (QKD) market?
5. Who are the major players in the global Quantum Key Distribution (QKD) market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 Quantum Key Distribution (QKD) Introduction
- 1.2 World Quantum Key Distribution (QKD) Market Size & Forecast (2017 & 2021 & 2028)
- 1.3 World Quantum Key Distribution (QKD) Total Market by Region
 - 1.3.1 World Quantum Key Distribution (QKD) Market Size by Region (2017-2028)
 - 1.3.2 United States Quantum Key Distribution (QKD) Market Size (2017-2028)
 - 1.3.3 China Quantum Key Distribution (QKD) Market Size (2017-2028)
 - 1.3.4 Europe Quantum Key Distribution (QKD) Market Size (2017-2028)
 - 1.3.5 Japan Quantum Key Distribution (QKD) Market Size (2017-2028)
 - 1.3.6 South Korea Quantum Key Distribution (QKD) Market Size (2017-2028)
 - 1.3.7 ASEAN Quantum Key Distribution (QKD) Market Size (2017-2028)
 - 1.3.8 India Quantum Key Distribution (QKD) Market Size (2017-2028)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Quantum Key Distribution (QKD) Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Quantum Key Distribution (QKD) Major Market Trends
- 1.5 Influence of COVID-19 and Russia-Ukraine War
 - 1.5.1 Influence of COVID-19
 - 1.5.2 Influence of Russia-Ukraine War

2 WORLD QUANTUM KEY DISTRIBUTION (QKD) COMPANIES COMPETITIVE ANALYSIS

- 2.1 World Quantum Key Distribution (QKD) Revenue by Player (2017-2022)
- 2.2 Industry Rank and Concentration Rate (CR)
 - 2.2.1 Global Quantum Key Distribution (QKD) Industry Rank of Major Players
 - 2.2.2 Global Concentration Ratios (CR4) for Quantum Key Distribution (QKD) in 2021
 - 2.2.3 Global Concentration Ratios (CR8) for Quantum Key Distribution (QKD) in 2021
- 2.3 Quantum Key Distribution (QKD) Company Evaluation Quadrant
- 2.4 Quantum Key Distribution (QKD) Market: Overall Company Footprint Analysis
 - 2.4.1 Quantum Key Distribution (QKD) Market: Region Footprint
 - 2.4.2 Quantum Key Distribution (QKD) Market: Company Product Type Footprint
 - 2.4.3 Quantum Key Distribution (QKD) Market: Company Product Application Footprint
- 2.5 Competitive Environment
 - 2.5.1 Historical Structure of the Industry

- 2.5.2 Barriers of Market Entry
- 2.5.3 Factors of Competition
- 2.6 Mergers, Acquisitions Activity

3 UNITED STATES VS CHINA VS REST OF THE WORLD

3.1 United States VS China: Quantum Key Distribution (QKD) Market Comparison

3.1.1 United States VS China: Quantum Key Distribution (QKD) Market Size Comparison (2017 & 2021 & 2028)

3.1.2 United States VS China: Quantum Key Distribution (QKD) Market Size Market Share Comparison (2017 & 2021 & 2028)

3.2 United States Quantum Key Distribution (QKD) Major Players and Market Share, 2017-2022

3.2.1 Major Players of Quantum Key Distribution (QKD) in United States, Headquarters (States, Country)

3.2.2 United States Quantum Key Distribution (QKD) Revenue by Domestic Player, (2017-2022)

3.3 China Quantum Key Distribution (QKD) Major Players and Market Share, 2017-2022

3.3.1 Major Players of Quantum Key Distribution (QKD) in China, Headquarters (Province, Country)

3.3.2 China Quantum Key Distribution (QKD) Revenue by Domestic Player, (2017-2022)

3.4 Rest of World Quantum Key Distribution (QKD) Major Players and Market Share, 2017-2022

3.4.1 Major Players of Quantum Key Distribution (QKD) in Rest of World, Headquarters (State, Country)

3.4.2 Rest of World Quantum Key Distribution (QKD) Revenue by Domestic Player, (2017-2022)

4 MARKET ANALYSIS BY TYPE

4.1 World Quantum Key Distribution (QKD) Market Size Overview by Type: 2017 VS 2021 VS 2028

4.2 Segment Introduction by Type

4.2.1 Type I

4.2.2 Type II

4.3 Market Segment by Type

4.3.1 World Quantum Key Distribution (QKD) Market Size by Type (2017-2022)

- 4.3.2 World Quantum Key Distribution (QKD) Market Size by Type (2023-2028)
- 4.3.3 World Quantum Key Distribution (QKD) Market Size Market Share by Type (2017-2028)

5 MARKET ANALYSIS BY APPLICATION

- 5.1 World Quantum Key Distribution (QKD) Market Size Overview by Application: 2017 VS 2021 VS 2028
- 5.2 Segment Introduction by Application
 - 5.2.1 Financial
 - 5.2.2 Government
 - 5.2.3 Military & Defense
 - 5.2.4 Others
 - 5.2.5 Others
- 5.3 Market Segment by Application
 - 5.3.1 World Quantum Key Distribution (QKD) Market Size by Application (2017-2022)
 - 5.3.2 World Quantum Key Distribution (QKD) Market Size by Application (2023-2028)
 - 5.3.3 World Quantum Key Distribution (QKD) Market Size by Application (2017-2028)

6 COMPANY PROFILES

- 6.1 ID Quantique
 - 6.1.1 ID Quantique Details
 - 6.1.2 ID Quantique Major Business
 - 6.1.3 ID Quantique Quantum Key Distribution (QKD) Product and Services
 - 6.1.4 ID Quantique Quantum Key Distribution (QKD) Revenue, Gross Margin and Market Share (2017-2022)
 - 6.1.5 ID Quantique Recent Developments/Updates
 - 6.1.6 ID Quantique Competitive Strengths & Weaknesses
- 6.2 SeQureNet
 - 6.2.1 SeQureNet Details
 - 6.2.2 SeQureNet Major Business
 - 6.2.3 SeQureNet Quantum Key Distribution (QKD) Product and Services
 - 6.2.4 SeQureNet Quantum Key Distribution (QKD) Revenue, Gross Margin and Market Share (2017-2022)
 - 6.2.5 SeQureNet Recent Developments/Updates
 - 6.2.6 SeQureNet Competitive Strengths & Weaknesses
- 6.3 Quintessence Labs
 - 6.3.1 Quintessence Labs Details

- 6.3.2 Quintessence Labs Major Business
- 6.3.3 Quintessence Labs Quantum Key Distribution (QKD) Product and Services
- 6.3.4 Quintessence Labs Quantum Key Distribution (QKD) Revenue, Gross Margin and Market Share (2017-2022)
- 6.3.5 Quintessence Labs Recent Developments/Updates
- 6.3.6 Quintessence Labs Competitive Strengths & Weaknesses
- 6.4 MagiQ Technologies
 - 6.4.1 MagiQ Technologies Details
 - 6.4.2 MagiQ Technologies Major Business
 - 6.4.3 MagiQ Technologies Quantum Key Distribution (QKD) Product and Services
 - 6.4.4 MagiQ Technologies Quantum Key Distribution (QKD) Revenue, Gross Margin and Market Share (2017-2022)
 - 6.4.5 MagiQ Technologies Recent Developments/Updates
 - 6.4.6 MagiQ Technologies Competitive Strengths & Weaknesses
- 6.5 Toshiba
 - 6.5.1 Toshiba Details
 - 6.5.2 Toshiba Major Business
 - 6.5.3 Toshiba Quantum Key Distribution (QKD) Product and Services
 - 6.5.4 Toshiba Quantum Key Distribution (QKD) Revenue, Gross Margin and Market Share (2017-2022)
 - 6.5.5 Toshiba Recent Developments/Updates
 - 6.5.6 Toshiba Competitive Strengths & Weaknesses
- 6.6 QuantumCTek
 - 6.6.1 QuantumCTek Details
 - 6.6.2 QuantumCTek Major Business
 - 6.6.3 QuantumCTek Quantum Key Distribution (QKD) Product and Services
 - 6.6.4 QuantumCTek Quantum Key Distribution (QKD) Revenue, Gross Margin and Market Share (2017-2022)
 - 6.6.5 QuantumCTek Recent Developments/Updates
 - 6.6.6 QuantumCTek Competitive Strengths & Weaknesses
- 6.7 Qasky
 - 6.7.1 Qasky Details
 - 6.7.2 Qasky Major Business
 - 6.7.3 Qasky Quantum Key Distribution (QKD) Product and Services
 - 6.7.4 Qasky Quantum Key Distribution (QKD) Revenue, Gross Margin and Market Share (2017-2022)
 - 6.7.5 Qasky Recent Developments/Updates
 - 6.7.6 Qasky Competitive Strengths & Weaknesses
- 6.8 Qudoor

- 6.8.1 Qudoor Details
- 6.8.2 Qudoor Major Business
- 6.8.3 Qudoor Quantum Key Distribution (QKD) Product and Services
- 6.8.4 Qudoor Quantum Key Distribution (QKD) Revenue, Gross Margin and Market Share (2017-2022)
- 6.8.5 Qudoor Recent Developments/Updates
- 6.8.6 Qudoor Competitive Strengths & Weaknesses

7 RAW MATERIAL AND INDUSTRY CHAIN

- 7.1 Raw Material of Quantum Key Distribution (QKD) and Key Manufacturers
- 7.2 Quantum Key Distribution (QKD) Manufacturing Costs
- 7.3 Quantum Key Distribution (QKD) Production Process
- 7.4 Quantum Key Distribution (QKD) Industrial Chain

8 DISTRIBUTION CHANNEL ANALYSIS

- 8.1 Distribution Channel Breakdown for Quantum Key Distribution (QKD) Shipments (%): 2017-2028
 - 8.1.1 Direct Channel
 - 8.1.2 Indirect Channel
- 8.2 Quantum Key Distribution (QKD) Typical Distributors
- 8.3 Quantum Key Distribution (QKD) Typical Customers

9 RESEARCH FINDINGS AND CONCLUSION

10 APPENDIX

- 10.1 Methodology
- 10.2 Research Process and Data Source
- 10.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World Quantum Key Distribution (QKD) Market Size by Region (2017, 2022 and 2028) & (USD Million)

Table 2. World Quantum Key Distribution (QKD) Market Size by Region (2017-2022) & (USD Million)

Table 3. World Quantum Key Distribution (QKD) Market Size by Region (2023-2028) & (USD Million)

Table 4. World Quantum Key Distribution (QKD) Market Size Market Share by Region (2017-2022)

Table 5. World Quantum Key Distribution (QKD) Market Size Market Share by Region (2023-2028)

Table 6. Major Market Trends

Table 7. World Quantum Key Distribution (QKD) Revenue by Player (2017-2022) & (USD Million)

Table 8. Revenue Market Share of Key Quantum Key Distribution (QKD) Players in 2021

Table 9. World Quantum Key Distribution (QKD) Industry Rank of Major Player, Based on Revenue in 2021

Table 10. Global Quantum Key Distribution (QKD) Company Evaluation Quadrant

Table 11. Head Office of Key Quantum Key Distribution (QKD) Player

Table 12. Quantum Key Distribution (QKD) Market: Company Product Type Footprint

Table 13. Quantum Key Distribution (QKD) Market: Company Product Application Footprint

Table 14. Quantum Key Distribution (QKD) Mergers & Acquisitions Activity

Table 15. United States VS China Quantum Key Distribution (QKD) Market Size Comparison, (2017 & 2021 & 2028) & (USD Million)

Table 16. Major Player of Quantum Key Distribution (QKD) in United States, Headquarters (States, Country)

Table 17. United States Quantum Key Distribution (QKD) Revenue by Domestic Player, (2017-2022) & (USD Million)

Table 18. United States Quantum Key Distribution (QKD) Revenue Market Share by Domestic Player, (2017-2022)

Table 19. Major Player of Quantum Key Distribution (QKD) in China, Company Headquarters (Province, Country)

Table 20. China Quantum Key Distribution (QKD) Revenue by Domestic Player, (2017-2022) & (USD Million)

Table 21. China Quantum Key Distribution (QKD) Revenue Market Share by Domestic Player, (2017-2022)

Table 22. Major Player of Quantum Key Distribution (QKD) in Rest of World, Company Headquarters (State, Country)

Table 23. Rest of World Quantum Key Distribution (QKD) Revenue by Domestic Player, (2017-2022) & (USD Million)

Table 24. Rest of World Quantum Key Distribution (QKD) Revenue Market Share by Domestic Player, (2017-2022)

Table 25. World Quantum Key Distribution (QKD) Revenue by Type, (USD Million), 2017 & 2021 & 2028

Table 26. World Quantum Key Distribution (QKD) Revenue by Type (2017-2022) & (USD Million)

Table 27. World Quantum Key Distribution (QKD) Revenue by Type (2023-2028) & (USD Million)

Table 28. World Quantum Key Distribution (QKD) Revenue by Application, (USD Million), 2017 & 2021 & 2028

Table 29. World Quantum Key Distribution (QKD) Revenue by Application (2017-2022) & (USD Million)

Table 30. World Quantum Key Distribution (QKD) Revenue by Application (2023-2028) & (USD Million)

Table 31. ID Quantique Basic Information, Area Served and Competitors

Table 32. ID Quantique Major Business

Table 33. ID Quantique Quantum Key Distribution (QKD) Product and Services

Table 34. ID Quantique Quantum Key Distribution (QKD) Revenue, Gross Margin and Market Share (2017-2022) & (USD Million)

Table 35. ID Quantique Recent Developments/Updates

Table 36. ID Quantique Competitive Strengths & Weaknesses

Table 37. SeQureNet Basic Information, Area Served and Competitors

Table 38. SeQureNet Major Business

Table 39. SeQureNet Quantum Key Distribution (QKD) Product and Services

Table 40. SeQureNet Quantum Key Distribution (QKD) Revenue, Gross Margin and Market Share (2017-2022) & (USD Million)

Table 41. SeQureNet Recent Developments/Updates

Table 42. SeQureNet Competitive Strengths & Weaknesses

Table 43. Quintessence Labs Basic Information, Area Served and Competitors

Table 44. Quintessence Labs Major Business

Table 45. Quintessence Labs Quantum Key Distribution (QKD) Product and Services

Table 46. Quintessence Labs Quantum Key Distribution (QKD) Revenue, Gross Margin and Market Share (2017-2022) & (USD Million)

Table 47. Quintessence Labs Recent Developments/Updates
Table 48. Quintessence Labs Competitive Strengths & Weaknesses
Table 49. MagiQ Technologies Basic Information, Area Served and Competitors
Table 50. MagiQ Technologies Major Business
Table 51. MagiQ Technologies Quantum Key Distribution (QKD) Product and Services
Table 52. MagiQ Technologies Quantum Key Distribution (QKD) Revenue, Gross Margin and Market Share (2017-2022) & (USD Million)
Table 53. MagiQ Technologies Recent Developments/Updates
Table 54. MagiQ Technologies Competitive Strengths & Weaknesses
Table 55. Toshiba Basic Information, Area Served and Competitors
Table 56. Toshiba Major Business
Table 57. Toshiba Quantum Key Distribution (QKD) Product and Services
Table 58. Toshiba Quantum Key Distribution (QKD) Revenue, Gross Margin and Market Share (2017-2022) & (USD Million)
Table 59. Toshiba Recent Developments/Updates
Table 60. Toshiba Competitive Strengths & Weaknesses
Table 61. QuantumCTek Basic Information, Area Served and Competitors
Table 62. QuantumCTek Major Business
Table 63. QuantumCTek Quantum Key Distribution (QKD) Product and Services
Table 64. QuantumCTek Quantum Key Distribution (QKD) Revenue, Gross Margin and Market Share (2017-2022) & (USD Million)
Table 65. QuantumCTek Recent Developments/Updates
Table 66. QuantumCTek Competitive Strengths & Weaknesses
Table 67. Qasky Basic Information, Area Served and Competitors
Table 68. Qasky Major Business
Table 69. Qasky Quantum Key Distribution (QKD) Product and Services
Table 70. Qasky Quantum Key Distribution (QKD) Revenue, Gross Margin and Market Share (2017-2022) & (USD Million)
Table 71. Qasky Recent Developments/Updates
Table 72. Qudoor Basic Information, Area Served and Competitors
Table 73. Qudoor Major Business
Table 74. Qudoor Quantum Key Distribution (QKD) Product and Services
Table 75. Qudoor Quantum Key Distribution (QKD) Revenue, Gross Margin and Market Share (2017-2022) & (USD Million)
Table 76. Quantum Key Distribution (QKD) Raw Material
Table 77. Key Manufacturers of Quantum Key Distribution (QKD) Raw Materials
Table 78. Quantum Key Distribution (QKD) Typical Distributors
Table 79. Quantum Key Distribution (QKD) Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. Quantum Key Distribution (QKD) Picture

Figure 2. World Quantum Key Distribution (QKD) Total Market Size: 2017 & 2021 & 2028, (USD Million)

Figure 3. World Quantum Key Distribution (QKD) Total Market Size (2017-2028) & (USD Million)

Figure 4. World Quantum Key Distribution (QKD) Market Size Market Share by Region (2017-2028)

Figure 5. United States Quantum Key Distribution (QKD) Market Size (2017-2028) & (USD Million)

Figure 6. China Quantum Key Distribution (QKD) Market Size (2017-2028) & (USD Million)

Figure 7. Europe Quantum Key Distribution (QKD) Market Size (2017-2028) & (USD Million)

Figure 8. Japan Quantum Key Distribution (QKD) Market Size (2017-2028) & (USD Million)

Figure 9. South Korea Quantum Key Distribution (QKD) Market Size (2017-2028) & (USD Million)

Figure 10. ASEAN Quantum Key Distribution (QKD) Market Size (2017-2028) & (USD Million)

Figure 11. India Quantum Key Distribution (QKD) Market Size (2017-2028) & (USD Million)

Figure 12. Quantum Key Distribution (QKD) Market Drivers

Figure 13. Factors Affecting Demand

Figure 14. Producer Shipments of Quantum Key Distribution (QKD) by Player Revenue (\$MM) and Market Share (%): 2021

Figure 15. Global Four-firm Concentration Ratios (CR4) for Quantum Key Distribution (QKD) Markets in 2021

Figure 16. Global Four-firm Concentration Ratios (CR8) for Quantum Key Distribution (QKD) Markets in 2021

Figure 17. United States VS China: Quantum Key Distribution (QKD) Market Size Market Share Comparison (2017 & 2021 & 2028)

Figure 18. World Quantum Key Distribution (QKD) Market Size by Type, (USD Million), 2017 & 2021 & 2028

Figure 19. World Quantum Key Distribution (QKD) Market Size Market Share by Type in 2021

Figure 20. Type I

Figure 21. Type II

Figure 22. World Quantum Key Distribution (QKD) Market Size Market Share by Type (2017-2028)

Figure 23. World Quantum Key Distribution (QKD) Market Size by Application, (USD Million), 2017 & 2021 & 2028

Figure 24. World Quantum Key Distribution (QKD) Market Size Market Share by Application in 2021

Figure 25. Financial

Figure 26. Government

Figure 27. Military & Defense

Figure 28. Others

Figure 29. World Quantum Key Distribution (QKD) Market Size Market Share by Application (2017-2028)

Figure 30. Manufacturing Cost Structure Analysis of Quantum Key Distribution (QKD) in 2021

Figure 31. Manufacturing Process Analysis of Quantum Key Distribution (QKD)

Figure 32. Quantum Key Distribution (QKD) Industrial Chain

Figure 33. Distribution Channel Breakdown for Quantum Key Distribution (QKD) Shipments (%): 2017-2028

Figure 34. Direct Channel Pros & Cons

Figure 35. Indirect Channel Pros & Cons

Figure 36. Methodology

Figure 37. Research Process and Data Source

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