

Comprehensive Report on the Quantum-Resistant Mobile Wallet Market: Opportunities and Challenges

*The Business Research Company's
Comprehensive Report on the Quantum-
Resistant Mobile Wallet Market:
Opportunities and Challenges*

LONDON, GREATER LONDON, UNITED
KINGDOM, October 3, 2025

[/Einpresswire.com/](https://www.einpresswire.com/) -- "Get 30% Off All
Global Market Reports With Code

ONLINE30 – Stay Ahead Of Trade Shifts, Macroeconomic Trends, And Industry Disruptors



What Is The Expected Cagr For The Quantum-Resistant Mobile Wallet Market Through 2025?

The market size of quantum-resistant mobile wallets has seen exponential growth recently.



With projections stating a rise to \$2.90 billion by 2029 at a compound annual growth rate (CAGR) of 29.8%."

*The Business Research
Company*

Anticipations are that the scale will expand from \$0.79 billion in 2024 to \$1.02 billion in 2025, boasting a compound annual growth rate (CAGR) of 30.1%. The impressive growth in the historic period can be traced back to factors such as the heightened emphasis on blockchain security, increased usage of mobile wallets, more regulatory focus on data privacy, a growing need for payment solutions that are future-proof, and an uptick in enterprises adopting quantum-safe solutions.

Expectations indicate a significant surge in the market size of the quantum-resistant mobile wallet over the coming years, with projections stating a rise to \$2.90 billion by 2029 at a compound annual growth rate (CAGR) of 29.8%. This expansion during the projected timeframe can be credited to the standardization of post-quantum cryptography, enforcement of government regulations, corporate acceptance of quantum-secure solutions, evolving necessity for digital identities, and consumer insistence for fortified mobile wallets. Prominent trends for this period are expected to be the enhancement of post-quantum encryption formulas, the building of hybrid cryptography structures, advancements in biometric validation for mobile wallets, the improvement in decentralized identity confirmation procedures, and the creation of

quantum-proof financial transaction infrastructure.

Download a free sample of the quantum-resistant mobile wallet market report:

<https://www.thebusinessresearchcompany.com/sample.aspx?id=27846&type=smp>

What Are The Driving Factors Impacting The Quantum-Resistant Mobile Wallet Market?

The quantum-resistant mobile wallet market is anticipated to experience growth due to the rising number of cyberattacks. These cyberattacks are premeditated actions taken by adversaries with the intent to illicitly access digital information, seize control over accounts, or misdirect funds. Increased digitalisation provides hackers more exploitable points of entry, thereby expanding the surface for attacks. Quantum-resistant mobile wallets counteract these encroachments by implementing sophisticated cryptographic algorithms which obstruct hackers' attempts to employ future quantum computing power to crack encryption codes. For example, the Australian Signals Directorate, a government body based in Australia, reported in November 2023 that Australia saw a sharp rise in cyber threats in 2022-23. Roughly 94,000 reports of cybercrimes were filed, indicating a 23% year-on-year increase. Concurrently, business expenses related to cybercrime increased by 14% compared to the preceding fiscal year. As a result, the frequent occurrence of cyberattacks is fuelling the expansion of the quantum-resistant mobile wallet market.

Which Players Dominate The Quantum-Resistant Mobile Wallet Industry Landscape?

Major players in the Quantum-Resistant Mobile Wallet Global Market Report 2025 include:

- Apple Inc.
- Samsung Electronics Co. Ltd.
- Google LLC
- International Business Machines Corporation
- NXP Semiconductors N.V.
- Thales S.A.
- Ledger SAS
- BitGo Inc.
- SEALSQ Corp.
- Shift Crypto AG

What Are Some Emerging Trends In The Quantum-Resistant Mobile Wallet Market?

Leading businesses in the quantum-resistant mobile wallet industry are concentrating on creating unique solutions such as quantum entropy-driven key creation to boost cryptographic security, defend against forthcoming quantum assaults, and maintain long-lasting faith in digital asset safety. Quantum entropy-bearing key formation is a means of generating cryptographic keys from the randomness originating from unpredictable quantum phenomena (like quantum particle collapse) instead of computer-generated pseudo-random algorithms. This method significantly enhances security by making keys immune to prediction, modeling, and even forthcoming quantum-PC attacks. For instance, in August 2025, Qubit Technologies FZ-LLC, a

Web3 infrastructure firm based in the UAE, introduced the Qubit Wallet App. This app is a multi-chain mobile wallet for iOS and Android, which uses real-time quantum entropy for cryptographic key creation. Promoted as the first consumer wallet of its kind, it supports EVM chains, Solana, Sui, and others and offers compatibility with WalletConnect and interoperability with existing wallets. The direct integration of quantum-protected randomness into key generation indicates a new standard in quantum-resistant security for digital asset management. It equips users with superior protection against existing cyber threats and future quantum computing attack capabilities, thereby ensuring long-standing trust and dependability in the protection of digital assets.

Global Quantum-Resistant Mobile Wallet Market Segmentation By Type, Application, And Region

The quantum-resistant mobile wallet market covered in this report is segmented

- 1) By Component: Software, Hardware, Services
- 2) By Security Type: Post-Quantum Cryptography, Quantum Key Distribution, Hybrid Solutions
- 3) By Deployment Mode: On-Premises, Cloud-Based
- 4) By Application: Personal, Enterprise, Financial Institutions, Government, Other Applications
- 5) By End-User: Individuals, Enterprises

Subsegments:

- 1) By Software: Mobile Applications, Desktop Applications, Web Applications, Cloud-Based Solutions
- 2) By Hardware: Hardware Security Modules, Cold Wallet Devices, Secure Microcontrollers, Biometric Authentication Devices
- 3) By Services: Wallet Setup And Integration, Security Auditing, Consulting And Advisory, Maintenance And Support

View the full quantum-resistant mobile wallet market report:

<https://www.thebusinessresearchcompany.com/report/quantum-resistant-mobile-wallet-global-market-report>

Which Region Holds The Largest Market Share In The Quantum-Resistant Mobile Wallet Market? In the Quantum-Resistant Mobile Wallet Global Market Report 2025, North America dominated as the biggest region in 2024. Anticipated to witness the most rapid growth is Asia-Pacific. The report includes data from regions such as Asia-Pacific, Western Europe, Eastern Europe, North America, South America, the Middle East, and Africa.

Browse Through More Reports Similar to the Global Quantum-Resistant Mobile Wallet Market 2025, By [The Business Research Company](#)

Mobile Wallet Global Market Report 2025

<https://www.thebusinessresearchcompany.com/report/mobile-wallet-global-market-report>

Quantum Cryptography Solutions Global Market Report 2025

<https://www.thebusinessresearchcompany.com/report/quantum-cryptography-solutions-global-market-report>

Quantum Cryptography Global Market Report 2025

<https://www.thebusinessresearchcompany.com/report/quantum-cryptography-global-market-report>

Speak With Our Expert:

Saumya Sahay

Americas +1 310-496-7795

Asia +44 7882 955267 & +91 8897263534

Europe +44 7882 955267

Email: saumyas@tbrc.info

The Business Research Company - www.thebusinessresearchcompany.com

Follow Us On:

• LinkedIn: <https://in.linkedin.com/company/the-business-research-company>"

Oliver Guirdham

The Business Research Company

+44 7882 955267

info@tbrc.info

Visit us on social media:

[LinkedIn](#)

[Facebook](#)

[X](#)

This press release can be viewed online at: <https://www.einpresswire.com/article/854138208>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2025 Newsmatics Inc. All Right Reserved.